Interregional Planning Update

NYISO-PJM Joint Stakeholder Meeting

April 2, 2017

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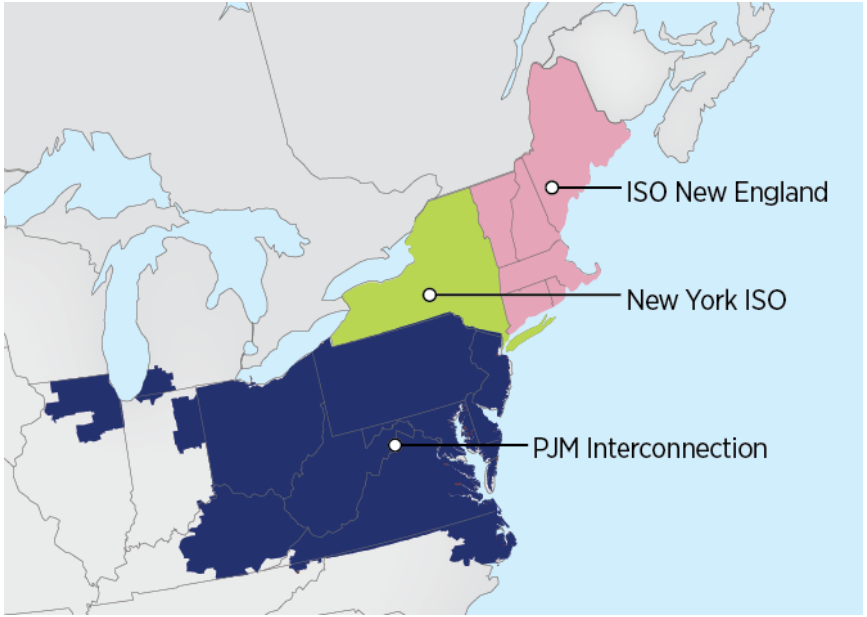
NYISO

- On-going Coordination activities
  - Interconnection Queue
  - Modeling and Data Exchange
  - Monthly calls to discuss interconnection projects that impact the neighboring system
- Eastern PJM / NYISO Interface

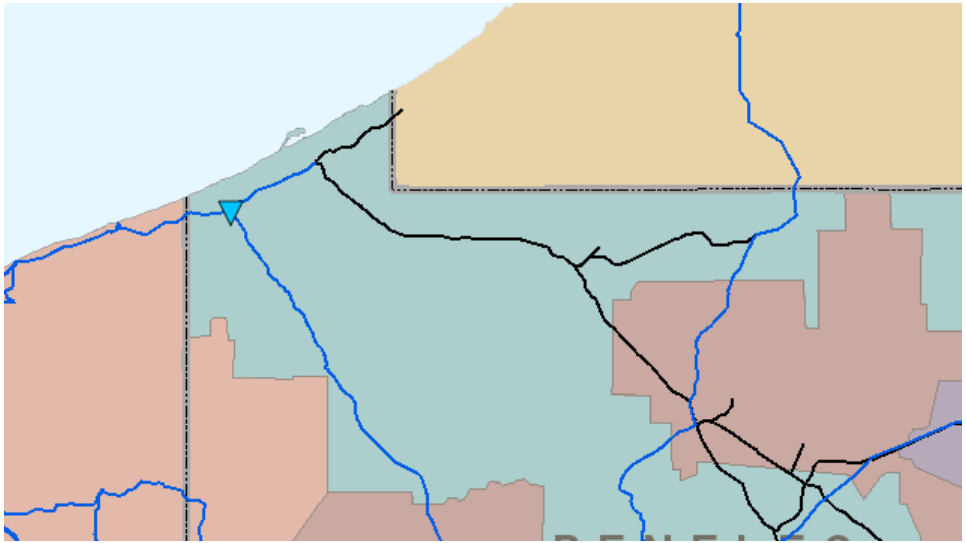


NYISO Interface

- Order No. 1000 planning
  - NYISO and ISO-NE IPSAC stakeholder group
    - May and December 2017 IPSAC web conferences
    - Reviewed Regional transmission issues and solutions, generator deactivation coordination, interconnection queue coordination
    - Determined that there were no opportunities for more efficient or cost effective interregional projects

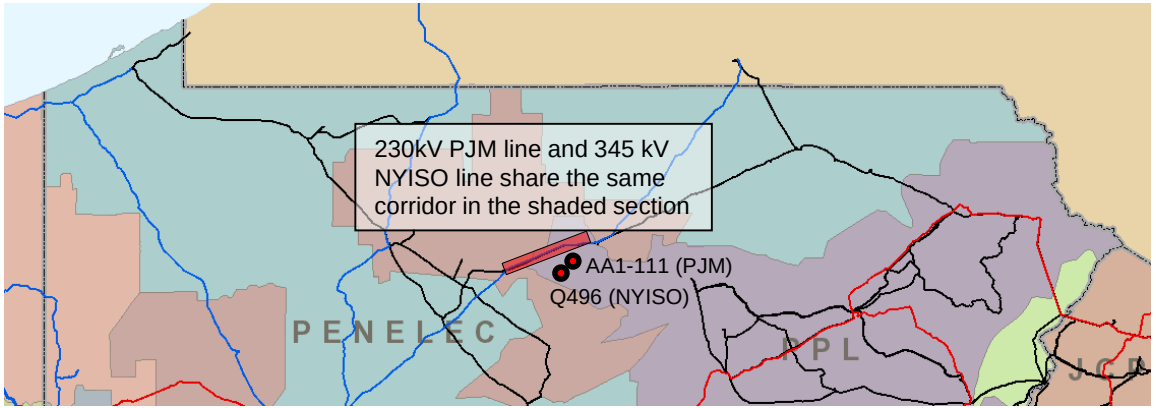
NYISO Coordination

- Lake Erie Connector (Y3-092)
  - Merchant transmission request for a new HVDC line from Erie West substation in Penelec region to the Ontario IESO system. 1,000MW Capacity Transmission Injection Rights and 500MW Firm Transmission Withdrawal Rights, and 500 MW Non-Firm Transmission Withdrawal Rights
  - PJM expects to complete Facilities Study in 3Q 2018.
  - NYISO working on Facilities Study requiring the installation of a PAR on the Dunkirk-South Ripley 230 kV line in New York.



NYISO Coordination

- Renovo (AA1-111) – Generation interconnection request in PJM's queue
  - Request for a 463 MW natural gas generator connecting to the Moshannon-East Towanda 230 kV line in Penelec
  - PJM working on Facilities Studies. NYISO performing Facilities Study to mitigate issues in New York
- Renovo (Q496) – Generation interconnection request in NYISO's queue
  - Request for a 480 MW natural gas generator connecting to the Homer City-Watercure 345 kV line
  - Proposed generator uses the same property as the PJM AA1-111 project but is a separate generator
  - The Moshannon-East Towanda 230 kV and Homer City-Watercure 345 kV lines share the same corridor in this area of Pennsylvania.
  - NYISO working on Facilities Studies. PJM performing Facilities Study



RTEP Process Glossary

http://www.pjm.com/library/reports-notices/rtep-documents.aspx

Book 1: RTEP In Review

Book 1 provides an executive summary of reliability, market efficiency and operational performance studies. Results from a number of these studies drove RTEP proposal windows which are also summarized. Book 1 goes on to discuss generation fleet changes driven by plant deactivation and new natural gas plant interconnection. RTEP process enhancements completed or initiated in 2017 are also presented.

Book 1 PDF (9MB)

Book 2: Inputs and Process

Book 2 focuses on input parameters (e.g., load forecasts, generation and topology) and study methodologies (e.g., deliverability) used to conduct PJM's 2017 RTEP process cycle of studies. Book 2 also describes NERC and regional planning criteria.

Book 2 PDF (9MB)

Book 3: Studies and Results

Book 3 presents specific results from studies conducted throughout 2017 including baseline reliability, market efficiency, operational performance, transmission owner criteria analyses as well as scenario and interregional studies. Book 3 also summarizes RTEP window activity during 2017. Subregional summaries are also provided.

Book 3 PDF (30MB)

QUESTIONS?