

NYISO System and Resource Planning Status Report

September 30, 2016

Comprehensive System Planning Process (CSPP):

Reliability Planning Process:

- On September 19 and September 28, the OC and the MC respectively concurred with the 2016 RNA and recommended Board approval. The NYISO's Board will act on the RNA at its October meeting.
- The final 2016 Reliability Needs Assessment (RNA) finds that the resource adequacy criterion is met throughout the Study Period.
- The 2016 RNA finds two transmission security related Reliability Needs in portions of the Bulk Power Transmission Facilities (BPTF) beginning in 2017:
 - The New York State Electric & Gas Corp. (NYSEG) Oakdale 345/115 kV transformer, and
 - The Long Island Lighting Company d/b/a Long Island Power Authority (LIPA) East Garden City to Valley Stream 138 kV line.

CARIS:

- The 2016 CARIS 2 Base Case is complete. No specific 2016 CARIS 2 project proposals have been submitted as of September 30th.
- Empire Connector has requested an additional CARIS study to be performed, assessing the economic impact of a new transmission facility connecting Marcy and NYC. [http://www.nyiso.com/public/webdocs/markets_operations/services/planning/Planning_Studies/Economic_Planning_Studies_\(CARIS\)/CARIS_Additional_Studies/EmpireConnectorStudyRequest.pdf](http://www.nyiso.com/public/webdocs/markets_operations/services/planning/Planning_Studies/Economic_Planning_Studies_(CARIS)/CARIS_Additional_Studies/EmpireConnectorStudyRequest.pdf). This study is on-going.
- NYISO staff continues to internally assess appropriate metric methodologies for estimating the capacity benefits of transmission projects as well as other potential metrics of project impacts.

Public Policy Transmission Planning Process:

- On July 16, 2015, the PSC declared a Public Policy Transmission Need (PPTN) in Western New York. The solicitation for solutions was issued on November 1st and solutions were due on December 31st. The NYISO reviewed the 15 proposals received from eight developers and performed the viability and sufficiency assessment (VSA). The draft VSA report was published on April 29, 2016, and the final report was published on May 31, 2016. The NYISO identifies ten viable and sufficient projects and recommends certain non-bulk transmission upgrades also be made to fulfill the objectives of the transmission need

identified by the PSC. On June 22, 2016, PSC issued a SAPA notice seeking public comment on whether there continues to be a need for transmission in Western New York with comments due August 8th.

- On December 17, 2015, the NYPSC issued an order finding that there is a transmission need driven by Public Policy Requirements to increase transfer capability of the Central East and UPNY/SENY interfaces. The NYISO issued a solicitation for solutions on February 29, 2016, and received 16 projects by April 29, 2016. The NYISO performed viability and sufficiency assessment (VSA), and published the draft VSA report on September 21, 2016. The draft report shows that 13 projects are viable and sufficient.
- On August 1, 2016, NYISO initiated the 2016 Public Policy Transmission Planning Process (PPTPP) cycle by issuing a solicitation for proposed transmission needs driven by Public Policy Requirements. Proposed needs were submitted to the NYISO by 12 entities on September 30, 2016. The NYISO filed the proposals with the NYPSC on October 3, 2016, for their consideration. If the NYPSC determines that there is a need for transmission, the NYISO will solicit projects from developers to fulfill that need.

NYISO Clean Power Plan Study:

- The objective of the NYISO CPP study is to provide input to the state's planning process on issues relating to electric system reliability, electric system efficiency, and emissions.
- A presentation was made with results for Phase 1 to ESPWG on July 5, 2016.
- The NYISO will conduct resource adequacy analysis for the year 2030 as Phase 2 of the study and issue a final report by the end of the year.

Interregional Planning:

IPSAC:

- The Joint ISO/RTO Committee (JIPC) reviews on an ongoing basis interconnection projects that may have interregional impacts. Through 2016, the JIPC will also continue efforts to develop and improve procedures for interregional coordination.
- The JIPC is continuing to develop, coordinate, and maintain an interregional production cost database.
- The next IPSAC webex meeting is scheduled for December 9, 2016.

EIPC:

- Phase I – Final 2015 EIPC Roll-up Report was completed in March 2016 and posted to the EIPC website: <http://www.eipconline.com/non-doe-documents.html>
- Phase II – Two webinars will be scheduled to provide EISPC with overviews of the Regional and Interregional Planning Processes under FERC Order 1000.