

NYISO System and Resource Planning Status Report

April 30, 2016

Comprehensive System Planning Process (CSPP):

Reliability Planning Process:

- The 2016 Reliability Planning Process cycle has started with the 2016 RNA, which is in progress.
- Entergy Nuclear Power Marketing LLC notified the PSC and the NYISO in November, 2015 of its intent to retire the James A FitzPatrick Nuclear Generating Facility at the end of its current fuel cycle, which is projected to be approximately Q4 2016 – Q1 2017. In accordance with the new RMR process, the NYISO issued a Generator Deactivation Assessment on February 11 identifying a statewide resource deficiency beginning in 2019. The NYISO subsequently revised that analysis to reflect an updated load forecast and issued a revised assessment on April 22, 2016 identifying no resource adequacy or transmission security-related Reliability Needs for the near-term period from 2016 through 2020.

CARIS:

- NYISO is extending and updating the 2015 CARIS 1 database for potential specific project submittals.
- No specific 2016 CARIS 2 project proposals have been submitted as of April 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.

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 1 and solutions were due on December 31. 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 29th, 2016. The NYISO identify seven 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 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,

with project responses due April 29, 2016. The NYISO is reviewing the proposals received from six developers, and will perform the viability and sufficiency assessment.

NYISO Clean Power Plan Study:

- The objective of the NYISO CPP study will be to examine how New York States compliance strategies interact with existing market rules and system reliability.
- The NYISO will examine changes in transmission and system resources and changes needed to meet program objectives while maintaining essential reliability services.
- ABB has been retained to provide production cost simulations.
- PTI Siemens will be studying system stability under low load/high renewable cases.
- NERC Essential Reliability Services will also be reported.
- On track for Phase 1 presentation to stakeholders in July, 2016.

Interregional Planning:

IPSAC:

- NYISO, PJM, and ISO-NE drafted the 2015 Northeast Coordinated System Plan, in accordance with the Amended Northeast Planning Protocol under Order 1000. The draft was issued in March, 2016.
- IPSAC webex will be held on May 9th, 2016 to present:
 - The final NCSP report
 - Regional Planning Needs and Plans for Each of the ISO/RTOs
 - Projects Potentially Affecting Neighboring Systems

EIPC:

- Model Roll-up
 - PJM requested change in roll-up analysis for NPCC to PJM transfers due to a large negative transfer limit, this new limit will be reflected in the roll-up report which is still being finalized and will be posted soon.
 - In February, the EISPC suggested two scenarios:
 - Aggressive DG
 - Increased Hydro Imports from Canada
 - Only the second scenario is under consideration though depending on execution of analysis, some areas (Southeast U.S.) feel that this may only be a regional scenario. More details are needed before analysis can begin.
 - SSMLFWG calls are on hold until the group begins work.