

# NYISO System and Resource Planning Status Report

## November 30, 2016

### Comprehensive System Planning Process (CSPP):

#### Reliability Planning Process:

- The NYISO's Board approved the 2016 RNA at its October 18<sup>th</sup> meeting.
  - The final 2016 Reliability Needs Assessment (RNA) found that the resource adequacy criterion is met throughout the Study Period.
  - The 2016 RNA found 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.
- November 7, 2016 ESPWG/TPAS:
  - The Responsible Transmission Owner(s) (i.e., NYSEG and PSEG-LIPA) will report to stakeholders information regarding any updates in their LTPs that could affect the identified Reliability Needs.
  - The NYISO concludes that, based on the LTP updates, the two Reliability Needs are eliminated and there will be no need to solicit solutions.
  - The 2016 Comprehensive Reliability Plan (CRP) is the next phase of the Reliability Planning Process, following the 2016 RNA. The 2016 CRP study plan will be presented at the December 7<sup>th</sup> ESPWG.
- **CARIS:**
  - The 2016 CARIS 2 Base Case is complete. No specific 2016 CARIS 2 project proposals have been submitted as of November 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. This study is now complete.  
[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).

- PPL Electric Utilities has requested an additional CARIS study to be performed, assessing the economic impact of a new transmission facility connecting Lackawanna, PA and Ramapo, NY. This study is ongoing.  
[http://www.nyiso.com/public/webdocs/markets\\_operations/services/planning/Planning\\_Studies/Economic\\_Planning\\_Studies\\_\(CARIS\)/CARIS\\_Additional\\_Studies/PPL%20Utilities%20Study%20Request%20Posting.pdf](http://www.nyiso.com/public/webdocs/markets_operations/services/planning/Planning_Studies/Economic_Planning_Studies_(CARIS)/CARIS_Additional_Studies/PPL%20Utilities%20Study%20Request%20Posting.pdf).
- 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 1<sup>st</sup> and solutions were due on December 31<sup>st</sup>. 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 October 13, 2016, the PSC issued an order confirming the WNY PPTN and directed NYISO to proceed with the evaluation and selection of more efficient or cost-effective transmission solution.
- 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 NYISO published the final VSA report identifying 13 viable and sufficient projects on October 27, 2016, and filed with the PSC along with the cost allocation method on October 28, 2016.
- 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. The NYPSC has solicited public comments by December 5, 2016 on the proposed public policy transmission needs, which primarily focus on fulfilling the New York State Clean Energy Standard through transmission to deliver renewable resources to consumers. 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 has conducted resource adequacy analysis for the year 2030 as Phase 2 of the study and will 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 were held to provide EISPC with overviews of the Regional and Interregional Planning Processes under FERC Order 1000.