

North Zone Loss Changes for NYPA and National Grid



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Market Issues Working Group
January 5, 2010

Background

- ◆ NYISO was notified that significant Unaccounted for Energy (UFE) had been realized by municipalities in the North Zone. The NYISO, PSC, NYPA and National Grid were directed by the NY Governor's Office to investigate the problem and offer solutions to resolve any UFE allocation problems in the Northern Sub zones.
- ◆ It was suggested by the affected parties that by redistricting the **NYPA North** and National Grid (**NMPC North**) sub zones, the monthly subzone load calculations would be better aligned by Metering Authority reported data based on ownership of lines and metering equipment.
- ◆ These changes would not affect the **NYSEG North** subzone.
- ◆ NYISO provided a short term, manual solution to NYPA and National Grid effective 12/1/2008. The solution provided an unused tie line (Roosevelt Tap) to NYPA for their upload of the offsetting MWs between the **NYPA North** and **NMPC North** sub zones.
- ◆ As NYISO systems calculate the losses for each subzone based upon the subzone definitions, the loss data for the subzones continues to be based upon the incorrect subzone boundaries. This continues to be an issue for NYPA in their UFE. NYPA has requested updated losses which reflect the more accurate boundaries.

Interim Solution

- ◆ In January, NYISO is changing the input data used in the loss calculation for the North subzones, by applying the updated subzone boundaries. The new loss data will be applied to the subzone load calculations in the Settlement Data Exchange (SDX) and in the settlement processing.
- ◆ The subzone boundary changes are not being made to the NYISO Market Information System (MIS). Therefore, the definition of the Transmission Ties and Generators that currently define NYSEG, National Grid's and NYPA's North sub zones in MIS and other NYISO systems will not be changed.
- ◆ All existing uploads, downloads and MP processes will remain the same.

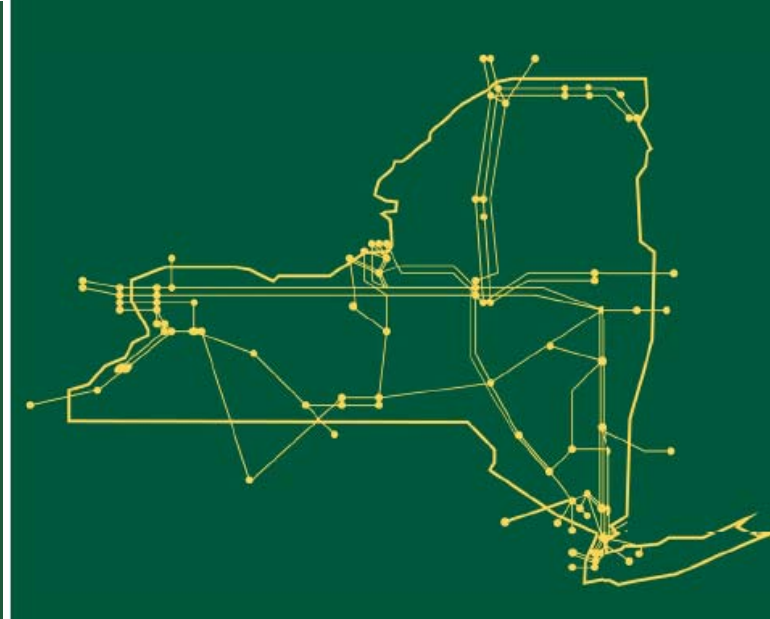
Implementation Timeline

- ◆ NYISO will be changing the North sub zone losses calculation to reflect the subzone boundary changes between NYPA and National Grid on January 12, 2010.
- ◆ This change is expected to have no affect on NYSEG's transmission losses in the North sub zone.
- ◆ The changes will only affect the transmission losses for National Grid's and NYPA's North subzones. The Transmission Ties and Generators that currently define NYSEG, National Grid's and NYPA's North sub zones will not be changed at this time.

Next Steps

- ◆ In August 2009 NYISO staff performed a Discovery analysis. The conclusion of this analysis was that due to the large system and customer impacts, the long term solution would need to be approved by the MPs as an official NYISO project.
- ◆ The end state Subzone Redistricting project will be included in the project prioritization process for 2011

The New York Independent System Operator (NYISO) is a not-for-profit corporation that began operations in 1999. The NYISO operates New York's bulk electricity grid, administers the state's wholesale electricity markets, and conducts comprehensive planning for the state's bulk electricity system.



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