

Status of NY North Country Wind Integration Study Northeast Coordinated System Plan

IPSAC07

December 11, 2008

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Background

- Approximately 400 MW (nameplate) of wind capacity is expected to be on-line in the NY North Country by the end of 2008
- Another 200 MW (nameplate) is expected by the end of 2009
- Coordinated New York and New England analysis required to assess the operation of the area's transmission system
- NYISO, ISO-NE, NYPA and VELCO have agreed to conduct an operational study to assess the impact of the wind generation on the transmission system

Background (cont.)

- Study will address any operational limitations of the wind generation
- Issues with existing transmission system will have to be addressed
 - Thermal Limitation
 - Transient Stability Limitations
 - Voltage Limitations
- Study compliments other wind-related studies underway at the NYISO
 - Comprehensive Wind study
 - Horizon Marble River SPS
 - System Impact Study underway – will examine options for alleviating post-contingency overloads at higher wind output

Update

- Study will focus on two time horizons: Summer 2009 and Winter 2009/2010
- Preliminary Base Cases have been developed, and study work is commencing
- Preliminary results show that wind output could be limited for post-contingency thermal overloads
- NYSEG and National Grid are participating as affected systems
- Study expected to be completed in the Spring 2009