# NYISO / PJM Coordinated Planning
# Scope of Analysis

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## IPSAC

ISO new england

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# Overview

- Two part study including reliability analysis as well as market efficiency analysis
- Scope will include development of a joint 2013 NYISO and PJM model
- Model will integrate the PJM 2013 RTEP model with NYISO RNA 2009 model
- Models will reflect 2013 peak summer conditions
- Analytical work will focus on reliability analysis

# Reliability Analysis

- N-1-1 contingency analysis for 230 kV and above facilities
- Generator deliverability analysis will be done consistent with the standard procedures of each ISO/RTO
  - Testing will be done for PJM generation to PJM load and NYISO generation to NYISO load
- Analyze peak (90/10) summer conditions while simulating a capacity deficiency in the combined ConEd and Northern PSE&G system
  - Perform N-1 analysis on 230 kV and above facilities

# Reliability Analysis

- Perform sensitivity analysis on credible retirement scenarios for critical contingencies identified in previous reliability analysis
- Develop potential transmission overlay options to resolve issues identified in the reliability analysis

# Market Efficiency Analysis

- Develop a production cost representation for the combined NYISO/PJM system
- Conduct a market simulation for the combined system
- Identify areas with the highest LMP spreads
- Identify facilities with the highest projected congestion
- Test the impact of the potential transmission overlay developed as part of the reliability analysis

# Timeline

- Develop reliability analysis base case – 12/08 to 2/09
- Complete reliability analysis – 2/09 to 6/09
- Develop and test potential transmission overlay – 3/09 to 7/09
- Develop market efficiency models – 6/09 to 9/09
- Perform market efficiency analysis – 9/09 to 10/09
- Test the market efficiency impact of the potential transmission overlay – 10/09 to 12/09