

# Summary of Interregional Planning Activities

IPSAC Meeting  
December 18, 2009

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# Interregional Planning

- FERC Mandates and Other Initiatives
- Interregional Planning and Coordination

# Federal Mandates and Initiatives

- FERC Order 890 Proceedings (Docket AD09-8)
  - FERC Technical Conferences Sept-Oct 2009
  - Request for Comments
  - Future Rulemaking??
- DOE FOA-68: Interconnection-Wide Planning
  - FOA Issued – June 2009
  - Proposals Filed Sept 2009
  - Notice of Award by end of 2009?
- DOE EWITS Study
  - Renewable integration
  - Report due Jan 2010??

# FERC Mandates and Initiatives, *cont.*

- Department of Energy Study (DOE) Congestion Study
  - The DOE 2005 Congestion Study resulted in the designation of the Mid-Atlantic Area National Corridor as a National Interest Electric Transmission Corridor (NIETC)
  - The DOE issuance of the 2008 Congestion Study is expected soon
  - Materials submitted to DOE suggest that New England has less congestion than other areas of the US

# FERC Mandates and Initiatives, *cont.*

- Eastern Interconnection Planning Collaborative (EIPC)
  - Formed September 2009
  - Will address Eastern Interconnection-wide (national and international) planning issues
  - Conduct studies
  - Support future DOE study activities
  - Will have an open and transparent stakeholder process

# FERC Mandates and Initiatives, *cont.*

- Electric Reliability Organization (ERO)
  - Statutory responsibilities to establish and enforce standards of the bulk power system
  - Periodically publish reports
    - Long-term reliability assessments
    - Seasonal assessments of system adequacy
    - Special regional, interregional, and interconnection-wide assessments

# Interregional Planning and Coordination

- ISO/RTO Council (IRC)
  - Develops effective processes, tools, and standard methods for improving electricity markets and planning
  - Coordinates with FERC on issues
- Northeast Power Coordinating Council (NPCC)
  - Enforces NPCC and North American Electric Reliability Corporation (NERC) criteria
  - Conducts and coordinates regional studies of system adequacy
- Northeastern ISO/RTO Planning Coordination Protocol
  - Coordinates planning activities among ISO-NE, NYISO and PJM

# Northeastern ISO/RTO Planning Coordination Protocol

- Data and information exchange
- Coordinate interconnection requests and transmission requests with cross-border impacts
- Develop a Northeast Coordinated System Plan (NCSP)
- The allocation of cost for elements of the NCSP will be addressed consistent with applicable provisions of each Party's tariff, and any applicable guidance provided by FERC Orders or interpretations
- Open stakeholder process through the IPSAC

# Northeast Coordinated System Plan

- Summarizes completed and ongoing study activities
  - New ties, such as Plattsburgh to Vermont
  - Production cost analysis
  - Resource adequacy analysis
- Generator interconnection queues and transmission improvements with cross-border impacts
- Cross-border transmission security issues, such as loss-of-source contingencies, addressed through normal study process
- Improvements in modeling and interregional planning activities
- Impact of wind and demand resources
- Fuel diversity
- Environmental regulations

# Joint ISO/RTO Planning Committee

- Steering Group for the NCSP
- Conducts Reliability Studies
  - Transmission Analysis
    - Past focus was on the New England – New York Border
    - New studies examine the Northeastern PJM – Southeast NYISO area
  - Resource Adequacy
    - Past analysis verified NYISO – New England area modeling
    - Recent analysis examines deliverability in Northeast PJM and NYISO

# Joint ISO/RTO Planning Committee, *cont.*

- Conducts Production Cost Studies
  - Assesses potential transmission bottlenecks
  - Completed NYISO – PJM border analysis
  - Status of NYISO – New England analysis to be discussed today

# Next Steps



# Joint ISO/RTO Planning Committee

- Prepare and post draft NCSP
- Conduct high level production cost studies of the three ISO/RTOs
  - Continue refining IREMM data base and conduct studies
  - Include environmental emission analysis
  - Review of database and initial results with stakeholders
- Conduct a detailed production cost analysis of the three ISO/RTOs
  - Coordinate a detailed production cost data base from updated IREMM database screening results, lessons learned, and key driver identification
  - Conduct studies using PROMOD, MAPS, or Gridview as per developed work scopes reviewed with IPSAC

# Joint ISO/RTO Planning Committee, *cont.*

- Identify need for strengthening ties and related neighboring interfaces
- Update studies and continue coordinating planning activities
  - Databases
  - Generation interconnections
  - Transmission improvements
  - Reliability studies
  - Economic studies
- Coordinate on FERC Mandates and Initiatives, including cost allocation of transmission improvements
  - ISOs will conduct a survey of existing cost allocation methodologies prior to next WebEx meeting

# IPSAC

- Tentative WebEx scheduled for January 28
  - Review Northeast Coordinated System Plan
  - Discuss scope of work on Next Steps
  - Review of IREMM database
    - Review of key drivers and assumptions
    - Review of external system representations
  - Plans to integrate IREMM data coordination into detailed models
  - Discussion of cost allocation methodologies
- WebEx meeting to be scheduled in late March for status report and stakeholder review



# Open Discussion