Eastern Interconnection Planning Collaborative

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Overview

• EIPC Objectives
• Status Update
• Schedule of Analysis
• Formation of Stakeholder Steering Committee
• Challenges & Opportunities
What are the Objectives of the EIPC?

1. Roll-up and analysis of approved regional plans
2. Establishment of a multi-constituency stakeholder process
3. Identification & selection of possible resource expansion scenarios
4. Development of interregional transmission expansion options
5. Providing sound technical analysis for consideration by federal & state regulators and policy makers

The EIPC is committed to an open and transparent process that uses a roll-up of regional plans as a starting point and is consistent with FERC Order 890 principles.
EIPC Status

• EIPC Analysis Team structure is in place
• 24 Planning Authorities signed (U.S. and Canada) with approximately 95% of the Eastern Interconnection customers covered
• Website launched – www.eipconline.com
• Stakeholder dialog on formation of Stakeholder Steering Committee (SSC) continues
• DOE announced $16M funding of the EIPC Eastern Interconnection studies proposal
• DOE also awarded $14M to the EISPC proposal
Eastern Interconnection Planning Collaborative (EIPC)  
(Open Collaborative Process)

Project Manager for DOE Project Award

EIPC Analysis Team  
Principal Investigators  
Planning Authorities

Stakeholder Steering Committee (SSC)

Stakeholder Work Groups

Executive Leadership  
Technical Leadership & Support Group

Stakeholder Groups  
States  
Provinces  
Federal  
Owners Operators Users

DOE Project Award Subcontractors
EIPC DOE Bid: Process Flow Chart

1.1: Initiate Project
   - Establish SSC
   - Establish study teams/processes

1.2: Integrate Regional Plans
   - Aggregate Modeling
   - Inter-regional analysis
   - Expansion options

1.3: Production Cost Analysis of Regional Plans
   - Multiple sensitivities (e.g, Fuel, carbon, load)

1.4: Macroeconomic Scenario Definition
   - Stakeholder Consensus
   - Multiple scenarios

1.5: Macroeconomic Analysis
   - Multiple scenarios
   - Informs policy/stakeholders
   - High-level T sensitivities

1.6: Expansion Scenario Concurrence
   - EIPC scopes scenarios (input from 1.5 input & each state
   - SSC guidance
   - States (Part B) endorse

1.7 A: Variable Generation Analysis
   - Operating issues such as regulation/ramping, voltage support, load limited
   - Off-peak productivity

1.7 B: Inter-regional Expansion Options
   - Modeling & initial analysis
   - Transmission/other fixes
   - Interconnection facilities considered (high-level)

1.8: Reliability Review
   - Consistent with NERC reliability criteria

1.9: Production Cost Analysis of Inter-regional Expansion Options
   - Multiple sensitivities (e.g, Fuel, carbon, load)

1.10: G & T Cost Estimates
   - High level cost estimates for generation and transmission expansion options.

1.11: Review of Results
   - Draft results reviewed with stakeholders
   - Stakeholder input incorporated.

1.12: Phase I Report
   - Posted to DOE by 6/30/11
   - Supporting files on public website

Report Preparation

Roll-up of Regional Plans

Inter-Regional Transmission Options

Inter-Regional Expansion Scenarios
EIPC Revised DOE Bid: Schedule of Analysis

• **Part I** (Jan 2010 – June 2011)
  - Jan-Mar 2010 – Start of Project (subject to DOE agreement)
  - May 2010 – Establishment of the SSC
  - Mar 2011– Integration of Regional Plans
  - April 2011 – Macroeconomic Analysis Completed
  - June 2011 - Concurrence on Resource Expansion Scenarios
  - June 30, 2011 – Part I Report Filed with DOE

• **Part II** (July 2011 – June 2012)
  - Oct 2011 – Develop Inter-regional Transmission Options
  - Feb 2012 – Transmission Reliability Analysis Completed
    - Production Cost Analysis & Cost Estimates Completed
  - March-June 2012 – Review Draft Phase II Report w/Stakeholders
  - June 30, 2012 – Part II Report Filed with DOE
Stakeholder Steering Committee (SSC)

- Provides strategic guidance to the Analysis Team
- Provides feedback on scenario analysis
- Represents various stakeholder constituencies
- Willingness to work collaboratively
- Holds open meetings
State & Provincial Participants (EISPC)

• Responsible for developing consensus among states (regulators & Governors’ appointees)
  – Provide input to Topic A group
  – Identify Renewable Energy Zones
  – Identify resource types
  – Conduct other studies

• Appoint state & provincial members to the SSC
SSC Formation: Next Steps

- “Straw Proposal” Posted – March 10th
  - SSC Formation & Structure
  - SSC Purpose, Roles & Responsibilities
- Webinars for Stakeholder feedback
  - March 17th -- 10AM EDT
  - March 19th -- 10AM EDT
  - March 23rd -- 11AM EDT
  - Follow-up: Written comments due by March 31st
- Eastern-Interconnection wide meeting
  - Week of April 12th
  - Location TBD
- All documents posted at: www.eipconline.com
Straw Proposal for Regional Selection Process

- SPP: 5 sectors, 2-3 nominations each
- MISO: 5 sectors, 2-3 nominations each
- PJM: 5 sectors*, 2-3 nominations each sector
- NYISO: 5 sectors, 2-3 nominations each
- ISO-NE: 5 sectors, 2-3 nominations each
- MAPP: 5 sectors, 2-3 nominations each
- Florida: 5 sectors, 2-3 nominations each
- SIRPP: 5 sectors, 2-3 nominations each
- NGO sector: EI Interconnection-wide, 18-27 nominations to NGO sector caucus
- Canadian stakeholders: 5 sectors, 2-3 nominations each

*5 Sectors include:
- Transmission Owners
- Generation Owners & Developers
- Public Power & TDUs
- End Users (small & large)
- Other suppliers

State representatives to the SSC will be determined by the EISPC
Challenges and Opportunities

• Collaboration among states, regions and all stakeholders on formation of SSC
• Development of an effective stakeholder process
• Need for consensus on scenarios given resource limitations and complexity of scenarios
• Involvement of all Planning Authorities in the Eastern Interconnection
• Interface and joint studies with the other three interconnections in North America
So, does anyone else feel that their needs aren’t being met??
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www.eipconline.com