West Virginia 2009 Energy Summit

December 8, 2009
Mike Kormos
PJM as Part of the Eastern Interconnection

KEY STATISTICS
PJM member companies 500+
millions of people served 51
peak load in megawatts 144,644
MWs of generating capacity 164,905
miles of transmission lines 56,250
GWh of annual energy 729,000
generation sources 1,271
square miles of territory 164,260
area served 13 states + DC
Internal/external tie lines 250

26% of generation in Eastern Interconnection
23% of load in Eastern Interconnection
19% of transmission assets in Eastern Interconnection

19% of U.S. GDP produced in PJM
Eastern Interconnection Planning Collaborative

- Rolls-up regional plans
- Coordinates with Canada, Western Interconnect and Texas
- Receives stakeholder input and holds public meetings
- Performs studies of various transmission alternatives against national, regional and state energy/economic/environmental objectives
- Identifies gaps for further study

States
- Regional Policy recommendations
- State energy policies
- Rate Policies

DOE / FERC
- Provides policy direction, assumptions & criteria

ISO / RTOs & Order 890 Entities
- Produce Regional Plan through regional stakeholder process, including state regulatory authorities

FERC
- Review/direction
- Order adjustments

Annual interconnection analysis

Publishes Annual Interconnection Analysis

States
- Policy recommendations
- State energy plans

Publishes Annual Interconnection Analysis
FOA Topics

- Topic A: Analysis and Planning
- Topic B: Grants to States
- PJM lead a Topic A bid
- Involves Entire Eastern Interconnection Planners
- Bids Submitted: September 14, 2009
- Official start 1/1/2010
- Early Stakeholder Outreach
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 And Support Group**

- **DOE Project Award Subcontractors**

- **Stakeholder Groups**
- **States**
- **Provinces**
- **Federal**
- **Owners Operators Users**
Bid Resources

• Principal Investigators
  – PJM, NYISO, ISO-NE, MISO, TVA, Southern, Entergy, MAPPCOR

• Other EIPC Planning Authorities (95% load coverage)
  – Contribute technical personnel and data

• Charles River Associates
  – Production Cost Modeling

• Oak Ridge National Laboratory
  – Reliability Review

• The Keystone Center
  – Stakeholder Facilitation
## EIPC Bid Proposed Timeline

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Next Steps

• DOE selection?
  – any time (Nov 2 deadline past) and Final Contract previously anticipated by Dec 31, 2009
• Reach-out to states and other policymakers
• First Stakeholder Meeting(s)
  – Two webcasts were held Oct. 13 and 16
• All steps are slowed by delayed selection
• Establish Website – www.eipconline.com
Eastern Interconnection States’ Planning Council (EISPC)
DOE DE-FOA-0000068
Topic B Proposal
• Applicant: The National Association of Regulatory Utility Commissioners
• Funding Request: $14,780,402
• 2 Voting Representatives from 39 States and DC
• State Commissioners and Governor representatives
• Individual states will not cede any current legal authority.
Goals:

• Attempt to achieve consensus on inputs to Topic A
  – Assumptions, scenarios and criteria
  – Feedback to Topic A modeling results
  – Evaluation of final Topic A model
• Provide insight into economic and environmental implications.
• Conduct studies on key issues and prepare whitepapers
  – DSM, renewables, nuclear siting, coal potential, energy storage, gas prices, etc.
  – Identify potential locations of low or no carbon generation.