



# EISPC

EASTERN INTERCONNECTION STATES' PLANNING COUNCIL

## *EISPC Progress to Date*

**National Association of State Energy Officials  
Annual Meeting 2012  
Minneapolis, MN**

*Kevin D. Gunn*

*Chairman*

*Missouri Public Service Commission*

*September 12, 2012*



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## ***EISPC (ice pick) in a Nutshell***

- **39 States, District of Columbia, New Orleans**
- **State Commissions, Governors' Reps, State Energy Offices and Other Officials**
- **12 in-person meetings and 16 webinars to date**
- **5 Committees/6 Workgroups — 100 members**
- **Collaborative/Consensus Decisions**
  - Senate/House model
- **Have achieved a quorum of attendance at all decision-making meetings**



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## *Main Tasks assigned by DOE*

- **Generation Resource and Transmission Studies with EIPC**
- **Studies and Whitepapers**
- **Energy Zones Study**



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## *Phase 1 – Generation Resource Studies – “Futures & Sensitivities”*

- **Compiled “Baseline Infrastructure”**
- **Identified 8 “Futures” and 72 variations thereon as “Sensitivities”**
- **Chose 3 (from 80 Futures and Sensitivities) for transmission studies**
- **Commented on EIPC Phase 1 report**



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## *Three Phase 1 Scenarios Chosen for Phase 2 Transmission Studies*

- **Three Scenarios:**
  - **Business as Usual with EPA Rules**
  - **National RPS/Regional Implementation**
  - **National Carbon Mitigation with EE/DR**



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## *Phase 2 – Transmission Studies on three Scenarios (current tasks)*

- **EISPC collaborating with EIPC and SSC on identifying transmission options to fulfill requirements of each Scenario**
- **EIPC modeling chosen transmission options under peak load and high-wind generation conditions**



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## *EISPC Studies*

- **Energy Efficiency – 12-31-12**
- **Demand Response – 12-31-12**
- **Energy Storage – 12-31-12**
- **Distributed Renewable Resources – 12-31-12**
- **Distributed Fossil Fuel Resources – 12-31-12**
- **Nuclear Power Potential – 6-30-2013**
- **Clean Coal Potential – 7-31-2013**





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## ***EISPC Whitepapers***

- **Market Structures – 5-31-12**
- **Smart Grid – 12-31-12**
- **Nuclear Incentives/Disincentives – 6-30-13**
- **Clean Coal Incentives/Disincentive – 7-31-13**
- **Gen./Transm. Co-Optimization – 12-31-12**
- **Resource Adequacy Economics – 10-31-12**





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## *Clean Energy Zones Study*

- Identify areas conducive to development of Clean (No/Low Carbon) Energy Resources throughout Eastern Interconnection
- Clean Energy Resource Types: Wind, Solar/PV, Geothermal, Water/Wave, Biomass, Clean Coal, Nuclear, Roof-Top Solar
- Collaborating with National Labs on Mapping Tool development



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## *Energy Zones Study Tasks to Date*

- EISPC and Labs developed Study Scope, Goals and Objectives, Deliverables, Timeline
- Labs began building the Mapping Tool
- NARUC/EISPC purchased commercial databases
- NARUC/EISPC conducting a Survey of State Laws/Policies impacting Clean Energy Resource Development
- EISPC began multi-tiered Stakeholder Outreach
- Beta-Test Mapping Tool being reviewed
- Stakeholder group advising on environmental impacts



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## *Energy Zones Study --Tasks to Completion*

- EISPC and Labs hold Stakeholder webinar(s) – Summer 2012 (first one on June 29, 2012)
- Labs complete Mapping Tool – August 2012
- Mapping Tool training to EISPC/EIPC/SSC – Sept-Oct 2012
- Mapping Tool outreach and training to Industry Stakeholders and Public – 4<sup>th</sup> qtr 2012, throughout 2013
- Survey of State Laws/Policies impacting Clean Energy Resource Development completed – January 2013
- Labs integrate Survey data into Mapping Tool – 1<sup>st</sup> qtr 2013
- Final Energy Zones Study Report completed – 1<sup>st</sup> half 2013



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## ***EISPC -- Benefits to Date (1)***

- **EISPC members gain understanding of each others' (and EIPC's and SSC Sectors') successes and challenges**
- **EISPC members educated on Generation&Transmission resource planning methods and requirements**
- **EISPC members collaborate with each other, with EIPC and with SSC Sectors to make decisions by consensus**



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## ***EISPC -- Benefits to Date (2)***

- **For the first time, the Generation and Transmission Resources of the entire Eastern Interconnection is collected into one study and modeled**
- **The data generated in this project could assist:**
  - **Federal/state agencies and stakeholders in future studies**
  - **In identifying beneficial inter-regional transactions**
  - **FERC-regulated Entities with their Order 1000 compliance**
  - **In future cross-interconnection collaboration**
  - **In furthering the body of knowledge on topics pertinent to the energy industry**



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# *Questions?*