

Wind, Steel & Wires: A Roll Up of the Stimulus funded Transmission Planning Process



New England States Committee On Electricity

***Conversation with the
Boston Bar Association on
Eastern Interconnection Planning***

**Boston, Massachusetts
June 24, 2010**

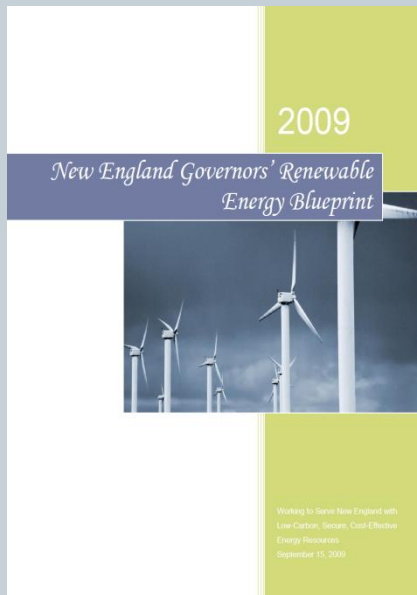
NESCOE

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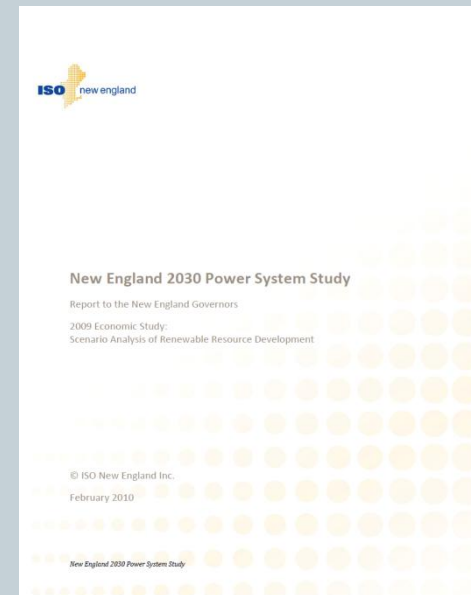
- New England's FERC-approved Regional State Committee
- **Purpose:** To Represent The Interests Of The Citizens Of The New England Region By Advancing Policies That Will Provide **Electricity At The Lowest Possible Price Over The Long Term**, Consistent With Maintaining **Reliable Service** And **Environmental Quality**
- **Focus:** Resource adequacy, system planning & expansion
- **Governance:** A board of Managers appointed by each of the New England Governors
- More Information @ www.nescoe.com

The Context: Ample New England Renewable Resources

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New England Governors'
Renewable Energy Blueprint



ISO-NE Renewable Development
Scenario Analysis

Eastern Interconnection Planning

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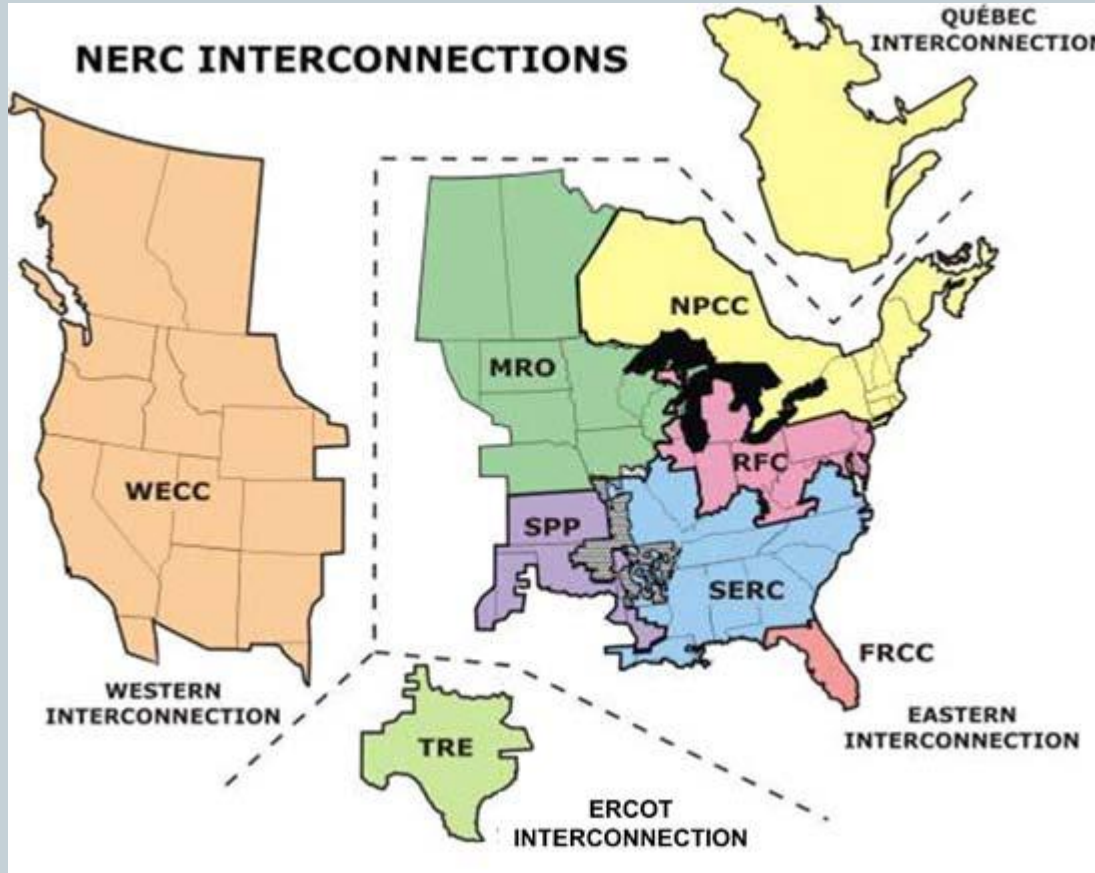
PURPOSE ACCORDING TO U.S.DOE

To facilitate the development or strengthening of capabilities in each of the three interconnections in the lower 48 states of the united states

To **prepare analyses of transmission requirements under a broad range of alternative futures** and **develop long-term interconnection-wide transmission expansion plans**

What's the Eastern Interconnect?

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all this



What the Eastern Interconnect Includes

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Geography

Most of Eastern North America, from the foot of the Rocky Mountains to the Atlantic seaboard

States

39 plus DC & New Orleans

- **Some restructured like most of New England. Some not**
- **Some with competitive markets like New England. Some not**
- **Some with renewable resources like New England & the Midwest. Some not**

Planning Authorities

At least 24 including PJM, ISO-NE, NYISO, MISO, SPP, companies, some smaller planning authorities, all with unique processes

The goal is consensus

So, how do you organize 39 states?

Eastern Interconnection States Planning Council - EISPC

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State Organization – The Policy Part

- **Funding:** \$14 million from U.S. Department of Energy
- **Purpose:** To enable state coordination on analysis to be conducted by EIPC & to perform studies & prepare whitepapers
- **State Representation:** 2 designees per state - 1 PUC, 1 Governor's representative
- **Governance:** Executive Committee with regional representation
- **SSC Seats:** States 1/3 of EIPC Stakeholder Steering Committee
- **Staff:** To be hired, attached to National Regulatory Research Institute
- **Meetings:** 2 days per month. Met once, on hold pending DOE funding
- **More Info:** <http://communities.nrri.org/web/eispc/share-and-view-files-members>

EISPC Leadership

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Executive Committee

President: Lauren Azar, Midwest Region

Vice President: Doug Nazarian, Mid-Atlantic Region

Secretary: Lib Fleming, Southeast Region

Treasurer: Jim Volz, Northeast Region ★

At Large: Kevin Gunn, Southwest Region

Steering Committee

Paul Suskie, Southwest Region

Gary Brown, Northeast Region ★

Seth Hammett, Southeast Region

John McKinney, Mid Atlantic Region

Valerie Lemmie, Midwest Region

Northeast EISPC Delegates

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- Connecticut** – John Mengacci, Undersecretary, OPM
Kevin DelGobbo, Chair, CT DPUC
- Massachusetts** – Rebecca Tepper, Governor’s Designee (Siting Director)
Jollette Westbrook, Commissioner MA DPU
- Maine** - John Kerry, Governor’s Office
Sharon Reishus, Chair, ME PUC
- New Hampshire** – Katherine Peters, Governor’s Office
Tom Getz, Chair, NH PUC
- New York** – Gary Brown, Chair, NY PSC
Paul DeCotis, Governor’s Designee (LIPA)
- Rhode Island** – Elia Germani, Chair, RI PUC
- Vermont** - Volz, Chair, VT PSB
David O’Brien, Commissioner DPS

EISPC Role in the EIPC Work Plan

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Step 1: Develop a Credible Reference Case

- EIPC to start with regions' 10-year plans & roll them up into an interconnection-wide case: EIPC to provide rolled up regional plans as start point for development of EISPC reference case by August 31, 2010
- **EISPC to review, offer input; EISPC to reach consensus on roll up, modeling inputs and reference case assumptions by September 30, 2010**
 - **Early Problem Needing Resolution:** Glitch from the start if rolled up *10 year* plans are compared to *20 year* build out scenarios; 20 year build out scenarios need 20-year reference case
 - **Closely Related:** NESCOE has requested ISO-NE to perform an Economic Study looking at New England's 20-year power system – status quo, no bells or whistles – to enable comparison of what New England thinks New England will look like 20 years out to hypothetical build out futures. Also looks at potential retirements.

After the Reference Case...

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Step 2: Develop Macroeconomic Future Scenarios (8)

- Intended to provide a forecast of how the interconnected system might evolve over a range of potential policy & economic futures; sensitivities such as RPS goals, fuel cost, carbon allowances
- Will provide a set of potential paths for further analysis
- **EISPC will define 4 of 8 scenarios, provide input on others**

Step 3: Select Transmission Scenario Build-outs (3)

- Expansion scenarios for interregional transmission options
- Production costs, high level cost estimates for expansion options
- **EISPC will define 1 of 3 build outs, provide input to others**

EIPC Final Report to DOE June 2012

EIPC May Be Valuable If....

- **Goals are clear from the get go.** *Is it to build massive transmission or to serve consumers cost-effectively?*
- **A credible reference case is developed to enable rationale comparison to hypothetical future scenarios**
- **Degree of states' guidance reflects degree to which outcome will impact the public**

And....

- **Canadian resource potential is recognized**
- **EWITS-style West to East bias is avoided**

