

Eastern Interconnection Planning Collaborative

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EIPC Stakeholder Seminars

October 13 & 16, 2009

Overview

- What is the EIPC?
- What are the objectives of the EIPC?
- Who are the PAs?
- Where will the EIPC be by the end of the year?

What is the EIPC?

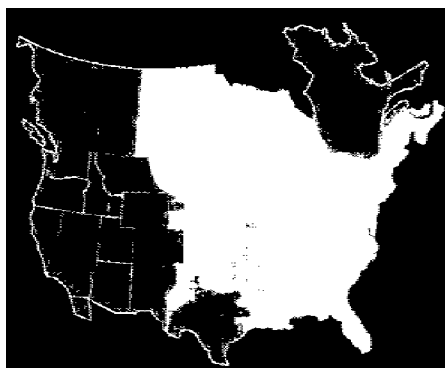
- Eastern Interconnection Planning Collaborative – an open approach to addressing transmission analyses with an interconnection scale
- Began through discussions between regional Planning Authorities
- Backdrop
 - Broad energy policy discussions on future renewable resources and on transmission infrastructure
 - Historical development and coordination of transmission plans on a regional and super-regional basis

What is the EIPC?

The *Collaborative* is a combination of:

- Regional Planning Authorities participating in a joint agreement to form an Analysis Team to perform technical studies
- Federal, State and Provincial representatives
- Self-formed stakeholder groups (e.g. Regional TO groups, IPPs, etc.)
- Individual stakeholder participants

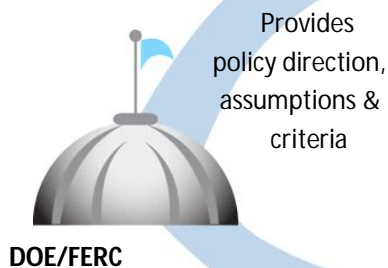
EIPC Conceptual Design



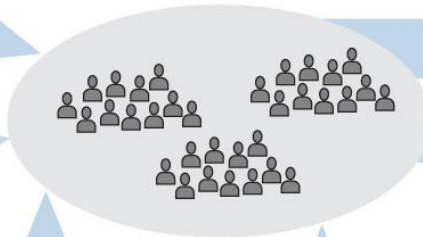
Eastern Interconnection Planning Collaborative

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

- Regional Policy recommendations
- State energy policies
 - Rate Policies



- States**
- Policy recommendations
 - State energy plans



Regional/state compliant plans provided as input

Study areas relative to national, regional and state policy



Planning Authorities including ISO / RTOs & Order 890 Entities & Other Non-Jurisdiction Entities

- Produce Regional Plan through regional stakeholder process, including state regulatory agencies



Publishes Annual Interconnection Analysis



Annual interconnection analysis



- Review/direction
- Provide guidance

Regional Plans and Projects

What are the Objectives of the EIPC?

1. Roll-up and analysis of approved regional plans
2. Development of possible interregional expansion scenarios to be studied
3. Development of interregional transmission expansion options

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.

Who are the PAs?

- Planning Authorities – regional planning entities listed on the NERC compliance registry
- They form the EIPC Analysis Team
- 23 Planning Authorities signed – approximately 95% of customers covered
- Eight of the Planning Authorities are also Principal Investigators on the proposal to DOE

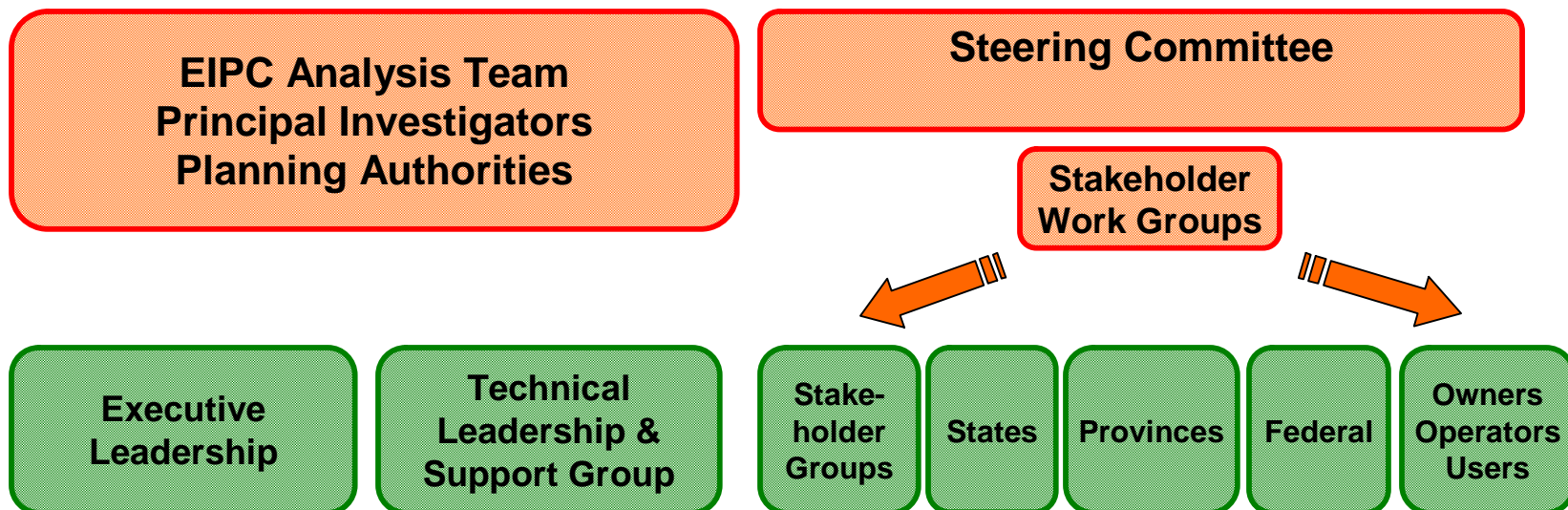
Who are the PAs?

- Alcoa Power Generating
- American Transmission Company
- Duke Energy Carolinas
- Entergy *
- E.ON (Louisville/Kentucky Util.)
- Florida Power & Light
- Georgia Transmission Corporation
- IESO (Ontario, Canada)
- ISO-New England *
- JEA (Jacksonville Electric Authority)
- MAPPCOR *
- Midwest ISO *
- Municipal Electric Authority of Georgia
- New York ISO *
- PJM Interconnection *
- PowerSouth Energy Coop
- Progress Energy – Carolinas
- Progress Energy – Florida
- South Carolina Electric & Gas
- Santee Cooper
- Southern Company *
- Southwest Power Pool
- Tennessee Valley Authority *

* Also a Principal Investigator on the DOE proposal

EIPC Structure

Eastern Interconnection Planning Collaborative (EIPC)
(Open Collaborative Process)



Where will the EIPC be by the end of the Year?

- Stakeholder interaction and dialog continue
- Stakeholder process and Steering Committee structure under development
- EIPC Website established
- Results from DOE proposal known
- If DOE award is granted, preparations underway to initiate work in accordance with the proposal and DOE contract

QUESTIONS??

Eastern Interconnection Planning Collaborative: Proposal to DOE

John P. Buechler

Executive Regulatory Policy Advisor

New York Independent System Operator

EIPC STAKEHOLDER WEBINARS

October 13TH & 16TH, 2009

Overview

- DOE FOA-68 Objectives & Requirements
- EIPC Proposal
- Schedule of Analysis
- Stakeholder Process

DOE Funding Opportunity **Announcement & Objectives**

DE-FOA-0000068: Issued June 15, 2009

- Objective
 - To facilitate the development/strengthening of capabilities in each interconnection to prepare transmission analyses on an interconnection-wide basis under a broad range of alternative futures
- DOE solicited proposals on two “Topics” for each of the three Interconnections:
 - Topic A: Interconnection-Level Analysis and Planning
 - Topic B: Grants to States

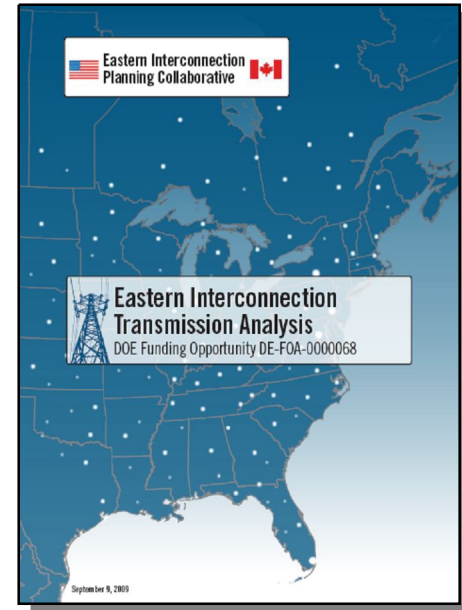
EIPC DOE Bid: Proposed Approach

Filed on September 14th

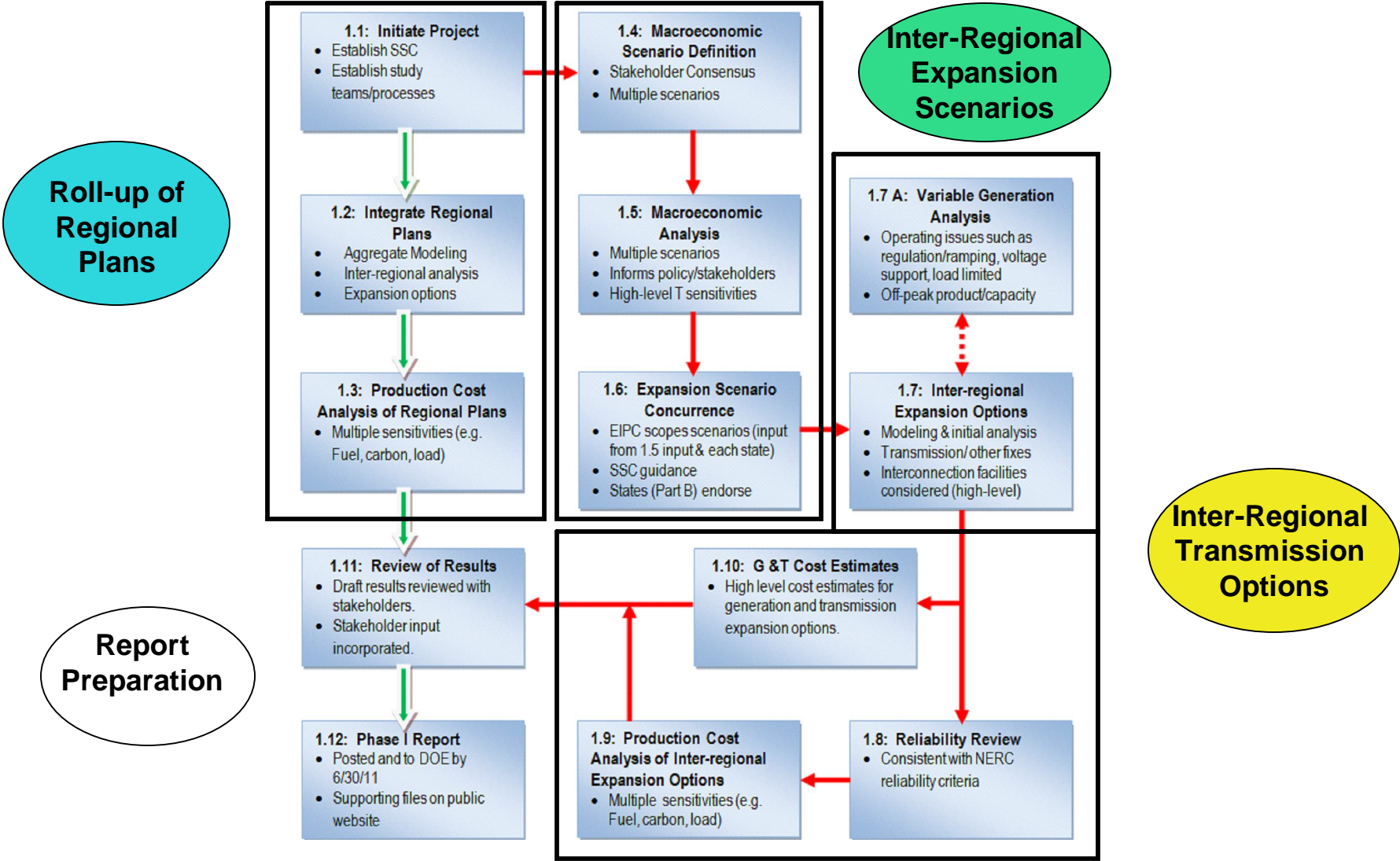
– Covers the entirety of “Topic A”

Objectives

- Establishment of a Multi-Constituency Stakeholder Process
- Roll Up and Analysis of Approved Regional Plans
- Development of Inter-Regional Resource Expansion Scenarios
- Development of Inter-Regional Transmission Expansion Options (Not specific design, siting or cost allocation)
- Prepare/Submit Reports to DOE



EIPC DOE Bid: Process Flow Chart



EIPC DOE Bid: Resources

- Principal Investigators
 - PJM, NYISO, ISO-NE, MISO, TVA, Southern, Entergy, MAPPOR
- Other EIPC Planning Authorities
 - Contribute technical personnel and data
- Charles River Associates
 - Production Cost Modeling
- Oak Ridge National Laboratory
 - Reliability Review
- The Keystone Center
 - Stakeholder Facilitation

EIPC DOE Bid: Schedule of Analysis

- **Phase I** (Jan 2010 – June 2011)
 - Jan 2010 – Start of Project (subject to DOE Award)
 - May 2010 – Establishment of the SSC
 - Sept 2010 – Integration of Regional Plans
 - Concurrence on Resource Expansion Scenarios
 - March 2011 – Transmission Scenario/Reliability Analysis Results
 - April 2011 – Scenario/Production Cost Results
 - May-June 2011 – Review of Draft Phase I Report
 - June 30, 2011 – Phase I Report Filed with DOE
- **Phase II** (July 2011 – June 2013)
 - Dec 2011 – Review Lessons Learned from Phase I; Adjust Phase II Schedule as needed
 - Jan 2012 – Jun 2013 – Repeat Phase I Tasks with updated information provided by stakeholders and updates to regional plans
 - June 30, 2013 – Phase II Report Filed with DOE

EIPC DOE Bid: Organization

- Stakeholder Steering Committee (SSC)
 - Process facilitated by The Keystone Center with stakeholder input
 - At least 1/3 of Steering Committee to be made up of state representatives (as specified in the FOA)
 - Funding available for NGO participation
- EIPC Analysis Team
 - Made up of NERC-certified Planning Authorities
 - Technical consultants retained by Planning Authorities
 - Potential funding for complementary university work
- Project Manager

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**

**Stake-
holder
Groups**

States

Provinces

Federal

**Owners
Operators
Users**

DOE Project Award Subcontractors

EIPC: Next Steps

- DOE Award
 - Initial selection anticipated by November 2nd
 - Final Contract by December 31st
- Reach-out to states, provinces, and other policymakers
- Initial Stakeholder Webinars: October 13th/16th
- Advance the stakeholder process over the next three months
- Additional Meetings/Webinars
- Establish EIPC Website

EIPC Documents

- EIPC public documents are currently posted on the PAs' websites
- See, for example, the NYISO Website at the following link:

<http://www.nyiso.com/public/services/planning/easterninterconnection.jsp>

QUESTIONS??

EIPC Stakeholder Process

Catherine Morris

Director, Energy Practice

The Keystone Center

EIPC Stakeholder Process- Fall '09

- Webinars to share information and gather input
- Stakeholder assessment through interviews and focus groups
 - Identify stakeholder interest groups and key issues
 - Establish process for selecting stakeholder steering committee and creating an effective stakeholder process
- EIPC Website
- Creating a stakeholder network and listserv

Keeping Stakeholders Engaged

- Stakeholder listserv
- Web-based forums for exchanging information and ideas
 - Webinars
 - On-line polls
- Regional Stakeholder Workshops
- Open steering committee meetings via webcast or in-person

Discussion and Poll

- What is the most effective way for stakeholders to provide input to the EIPC?
- What is the most effective way for stakeholders to get information about the progress of EIPC work?
- What form of stakeholder interaction would you prefer to further develop the EIPC stakeholder process?