



Eastern Interconnection Planning Collaborative



**SSC Meeting Summary
July 15-16, 2010
Crowne Plaza Chicago Metro
733 West Madison, Chicago, IL**

This meeting summary highlights the major areas of agreement and discussion from the first meeting of the EIPC Stakeholder Steering Committee (SSC).

The objectives of the meeting were to:

- Review EIPC project tasks, analysis tools, deliverables and schedule
- Identify the SSC points of input
- Begin development of the SSC work plan
- Identify appropriate work groups and processes for assigning work group members
- Begin SSC governance discussion

145 individuals were in attendance (113 in person, 32 via webinar); a full list of attendees is attached.

The meeting agenda and presentations are available in their entirety at www.eipconline.com.

The next SSC meeting will take place October 12-14, 2010.

SSC Work Plan and Work Groups

- Work groups will take general direction provided by the SSC, further clarify their charge/missions, and present them to the SSC and EIPC for review. Work groups are not empowered to make decisions, but they will make recommendations to the SSC.
- Identification of preliminary work groups:
 - 1) *Roll-Up of Regional Plans Work Group*, dedicated to liaising with and providing feedback to EIPC as EIPC develops the integration of the existing regional transmission plans, addresses potential enhancements identified through a gap analysis, and completes production cost analysis of the EI-wide 10-year roll-up case.
 - 2) *Modeling Work Group*, focused on developing a better understanding of the capabilities, assumptions and outputs of the CRA NEEM (macroeconomic) model, that will be used to evaluate the 8 Resource Futures and the GE MAPS (production cost) model that will be used to analyze the final 3 Scenarios.
 - Several stakeholders recommended that a sub-group of the Modeling Work Group be formed to focus on environmental data. An EIA data integration sub-group was also suggested.

- 3) *Scenario Planning Work Group*, focused on the policy-related aspects of the development of resource futures and transmission expansion scenarios.
- The Modeling and Scenario Planning Work Groups will work closely together because their purposes are interrelated and their outputs will be informative to one another, particularly as they determine how to proceed with developing the assumptions and inputs for the macroeconomic model.
 - Work Group Assignment:
 - Each sector should have between one and three sector representatives on each work group, with allowance for each sector to have as many non-SSC/non-Caucus participants (e.g. technical experts) as necessary.
 - SSC members, working with their Sector Caucus and Table Representatives, will decide which representative(s) to assign to each work group. Work group members should be willing to make a commitment to consistent participation.
 - Keystone will solicit lists of participants for the working groups from the SSC, create e-mail listservs that will include all Work Group members, and propose schedules for getting started. Keystone Center staff will facilitate Work Group conference calls and webinars.
 - Each work group will select a point person/liaison to be the main point of contact with the SSC, EIPC and the facilitators.
 - Communication within and between designated Work Groups:
 - To ensure productive discussions, it was suggested that Work Group meetings be managed similarly to SSC meetings: designated sector representatives have speaking priority, with open comment periods allowed for other work group participants.
 - Webinars/workshops will be conducted, as needed and as resources allow, between SSC meetings. Before the next SSC meeting, webinars will be conducted on:
 - Transmission planning processes and the differences between regional planning processes (possibly including roll-up assumptions)
 - An introduction to scenario planning and lessons learned from prior efforts
 - CRA's macroeconomic model

SSC Governance and Charter

- SSC members agreed that, for the time being, pertinent duties typical of a chair can be performed by Keystone Center facilitators, but a designated chair may be needed eventually.
- Other points of agreement:
 - Decision related to leadership of SSC should be made by consensus
 - Leadership/chairmanship of SSC should be designed so as to not be overly time-consuming or burdensome to any individual
 - Leadership of SSC should be streamlined, not overly bureaucratic
- Issues to resolve:
 - Whether or not the SSC will need a chair
 - One chair? Chair/vice-chair? Co-chairs?
 - Permanent or rotating?
 - SSC member or non-SSC member?

- What is the appropriate balance that a chair must strike between the interests of his/her sector and the interests of the SSC as a whole?
- There was a suggestion that someone from either Keystone or EIPC act as chair of the SSC. Keystone declined this role, as it would be in conflict with their role as facilitator.
- A task force, comprised of one SSC member from each of the sectors, will be formed to resolve outstanding governance and charter issues and present a Charter to the SSC for ratification at the next meeting.
- Keystone will facilitate the efforts of this task force, including one or more conference calls dedicated to this purpose. This task force's proposals will be presented 2 weeks before the next SSC meeting.
- The SSC members agreed that when/if communicating with the media, SSC members will use a common-sense approach and refrain from commenting on the actions, words or positions of others, and will not characterize their own words as being representative of any other SSC member or of the SSC as a whole.
- Reasonable effort will be made to provide the agendas and all other meeting materials 2 weeks in advance of the SSC meetings.

Regional roll-up plan

- The roll-up process is meant to integrate current regional transmission plans into a consolidated power flow model and to evaluate gaps or inconsistencies in the plans. The roll-up plan will put forward what is currently known/assumed, and provide a starting point for further analysis of the integrated, EI-wide transmission plan.
- EIPC Planning Authorities don't view the roll-up as the development of a "base case." EIPC takes the position that if the SSC would like to develop a base case using assumptions different from those involved in the roll-up (e.g. an extended time frame), such a case would be considered one of the eight Futures for the macroeconomic analysis in Phase I or one of the three scenarios to be analyzed in Phase II of the project.
- EIPC (which is made of representatives from 26 Regional Planning Authorities) is responsible for preparing the roll-up of the existing regional plans. EIPC will consider input and comment from the SSC during this process.
- The project is currently not at odds with NERC activities or assessments but ongoing conversations about such activities may be useful in determining if synergies exist and to avoid duplication of efforts.
- If there are major differences or disconnects in assumptions among the regional plans, these should be identified and discussed. The SSC may provide input on these issues.
- The roll-up of regional plans will focus on a planning horizon of 2020, but the resource futures and associated transmission build-outs which are developed during the course of this project may consider a timeline that extends further into the future.
- The SSC will have access to all of the roll-up plan's inputs and outputs, subject to restrictions on handling CEII and confidential data.

- Projects that are “iron in the ground,” or that are recognized in the planning process as firm, will be included in the roll-up plan. Hypothetical projects can be considered as solutions or aspects of future cases or scenarios.

Development of futures/scenarios

- The first challenge of the SSC is to define eight “Futures,” or EI-wide versions of future energy resource “worlds,” and use the analysis of these Futures, including a high-level transmission analysis, to develop three final scenarios for detailed transmission build-outs and reliability assessment.
- There are a variety of approaches – the SSC could pick one future and two variations of it, or pick three very different futures, or could devise an entirely different approach.
- The analysis for this project will focus on the highest-voltage systems within the transmission grid, but will not detail the entire grid down to lower voltage systems/feeders/substations. Though the analysis will mostly be high-level, there will need to be some more specific parameters for modeling purposes, such as the location of future generation and DSM resources.
- Production cost analyses will be conducted for each of the three build-out scenarios for comparison purposes. It was suggested that least-cost planning criteria should be considered in the analyses.
- EISPC’s SSC members will work collaboratively with the rest of the SSC on the definition of the eight Futures and three scenarios, however four of the Futures and one of the scenarios must reflect the priorities of EISPC.
- EISPC will also be overseeing the production of a number of white papers on relevant topics which can help inform the work of the SSC. These topics are defined generally already, but EISPC may consider input from the rest of the SSC related to this research.

Macroeconomic modeling

- Once the eight Futures are selected, the assumptions and inputs of these Futures will need to be defined for inclusion in CRA’s macroeconomic model.
- These assumptions and inputs are wide-ranging. Specific items discussed included (but are not limited to):
 - Emission rates
 - Existing regional plans
 - Carbon controls
 - Integration costs of renewables and impact on ancillary services
 - Resource availability profiles
 - Efficiency standards
 - Other current, future or imagined policies and regulations
- EIPC Analysis Team will be primarily responsible for the final potential transmission build-outs
- CRA will conduct production cost analyses for each of the final build-out scenarios.

Attendance Report, SSC Meeting, July 15-16

Name		Organization	Sector	Role
Jonathan	Norman	Ministry of Energy and Infrastructure (Ontario)	Canadian Provincial Representative	SSC Member
Alice	Jackson	Occidental Chemical Corporation	End Users	SSC Member
Ryan	Kind	Missouri Public Counsel	End Users	SSC Member
Sonny	Popowsky	PA Office of Consumer Advocate	End Users	SSC Member
Steve	Gaw	Wind Coalition	Generation Owner and Developer	SSC Member
Michael	Goggin	American Wind Energy Association	Generation Owner and Developer	SSC Member
Mark	Volpe	Dynegy, Inc.	Generation Owner and Developer	SSC Member
Mark	Brownstein	Environmental Defense Fund	NGO	SSC Member
Andy	Oliver	Land Trust Alliance	NGO	SSC Member
Beth	Soholt	Wind on the Wires	NGO	SSC Member
Herb	Healy	EnerNOC, Inc	Other Suppliers	SSC Member
Dennis	Sobieski	Hess Corp.	Other Suppliers	SSC Member
Paul	Malone	Nebraska Public Power District	Public Power and TDUs	SSC Member
Maryam	Sharif	New York Power Authority	Public Power and TDUs	SSC Member
Ed	Tatum	Old Dominion Electric Cooperative	Public Power and TDUs	SSC Member
Garry	Brown	NYS Public Service Commission	State	SSC Member
Kevin	Gunn	Missouri Public Service Commission	State	SSC Member
Valerie	Lemmie	Public Utilities Commission of Ohio	State	SSC Member
Doug	Nazarian	Maryland Public Service Commission	State	SSC Member
Olan	Reeves	Arkansas Public Service Commission	State	SSC Member
Phil	Riley	Public Service Commission of South Carolina	State	SSC Member
Brian	Rybarik	Public Service Commission of Wisconsin	State	SSC Member
James	Volz	Vermont Public Service Board	State	SSC Member
Will	Kaul	Great River Energy	Transmission Owner and Developer	SSC Member
Tamara	Linde	PSEG	Transmission Owner and Developer	SSC Member
Stuart	Nachmias	Con Edison	Transmission Owner and Developer	SSC Member
Garrett	Bissell	Couch White, LLP	End Users	Representative at Sector Table
Stacia	Harper	Ohio Consumers' Counsel	End Users	Representative at Sector Table
Erin	Hogan	NYSERDA	End Users	Representative at Sector Table
Robert	Weishaar, Jr.	McNees Wallace & Nurick LLC	End Users	Representative at Sector Table
Robert	Colozza	LS Power Development, LLC	Generation Owner and Developer	Representative at Sector Table
Jim	Howell	Southern Power Company	Generation Owner and Developer	Representative at Sector Table

Michael	Hutson	RES Americas	Generation Owner and Developer	Representative at Sector Table
Raja	Srivastava	RES Americas	Generation Owner and Developer	Representative at Sector Table
Wenchun	Zhu	Wind Capital Group	Generation Owner and Developer	Representative at Sector Table
Dorothy	Barnett	Climate and Energy Project	NGO	Representative at Sector Table
Wil	Burns	Energy Conservation Council	NGO	Representative at Sector Table
James	Gignac	Sierra Club	NGO	Representative at Sector Table
Katherine	Kennedy	NRDC	NGO	Representative at Sector Table
John	Moore	Environmental Law and Policy Center	NGO	Representative at Sector Table
Erin Stojan	Ruccolo	Fresh Energy	NGO	Representative at Sector Table
Samir	Succar	Natural Resources Defense Council	NGO	Representative at Sector Table
Aaron	Breidenbaugh	EnerNOC, Inc.	Other Suppliers	Representative at Sector Table
Andrew	Dotterweich	Consumers Energy - MISO TDU Sector Rep	Public Power and TDUs	Representative at Sector Table
Don	Gilbert	JEA	Public Power and TDUs	Representative at Sector Table
Diane	Huis	NCEMC	Public Power and TDUs	Representative at Sector Table
Dan	Klempel	Basin Electric Power Cooperative	Public Power and TDUs	Representative at Sector Table
Paul	McCurley	NRECA	Public Power and TDUs	Representative at Sector Table
Gabriel	Stern	CMEEC	Public Power and TDUs	Representative at Sector Table
Roy	Thilly	WPPI	Public Power and TDUs	Representative at Sector Table
Lisa	Barton	American Electric Power	Transmission Owner and Developer	Representative at Sector Table
Lloyd	Linke	Western Area Power Administration	Transmission Owner and Developer	Representative at Sector Table
C. Martin	Mennes	Florida Power & Light	Transmission Owner and Developer	Representative at Sector Table
Steven	Naumann	Exelon	Transmission Owner and Developer	Representative at Sector Table
Mary Ellen	Paravalos	National Grid	Transmission Owner and Developer	Representative at Sector Table
Mark	Wehlage	Xcel Energy	Transmission Owner and Developer	Representative at Sector Table
Clay	Young	South Carolina Electric & Gas	Transmission Owner and Developer	Representative at Sector Table
Kristin	Munsch	Citizens Utility Board	NGO	Other or I don't know
Diane	Barney	New York State Dept. of Public Service	State	Other or I don't know
Marie	Pieniazek	Energy Curtailment Specialists, Inc.	Other Suppliers	Other or I don't know
Thomas	Wind	Iowa Stored Energy Park	Other Suppliers	Other or I don't know
Terry	Harvill	ITC Holdings Corp.	Transmission Owner and Developer	Other or I don't know
Jeffrey	McKinney	NYSEG and RG&E	Transmission Owner and Developer	Other or I don't know
Tsion	Messick	Pepco Holdings, Inc	Transmission Owner and Developer	Other or I don't know

Gregory	Smith	PPL	Transmission Owner and Developer	Other or I don't know
Rishi	Garg	Project for Sustainable FERC Energy Policy	NGO	Observer
Ted	Hesser	Natural Resources Defense Council	NGO	Observer
Julie	Cammarata	CT Department of Electric Corp – Public Power	Other	Observer
Lot	Cooke	Department of Energy	Other	Observer
Alicia	Dalton-Tingler	Department of Energy (DOE), National Energy Technology Laboratory (NETL)	Other	Observer
Tom	Darin	U.S. Dept. of Energy	Other	Observer
Shannon	Eddy	Energy Foundation	Other	Observer
Mason	Emnett	FERC	Other	Observer
Joe	Eto	DOE	Other	Observer
Maria	Hanley	US DOE - NETL	Other	Observer
Mike	Jacobs	DOE EERE	Other	Observer
Esam	Khadr	PSE&G	Other	Observer
Adriana	Kocornik-Mina	Department of Energy	Other	Observer
Ralph	Luciani	CRA	Other	Observer
Larry	Mansueti	U.S. Department of Energy	Other	Observer
Richard	Mathias	PJM Interconnection LLC	Other	Observer
Eric	Runge	Day Pitney LLP for NEPOOL	Other	Observer
John	Schnagl	U. S. Department of Energy	Other	Observer
Christine	Ericson	Illinois Commerce Commission	State	Observer
Heather	Hunt	New England States Committee on Electricity	State	Observer
David	Boguslawski	Northeast Utilities	Transmission Owner and Developer	Observer
Oliver (Ollie)	Burke	Entergy Services, Inc.	Transmission Owner and Developer	Observer
Carol	Chinn	American Transmission Company	Transmission Owner and Developer	Observer
Paul	McCoy	Trans-Elect Development Company, LLC	Transmission Owner and Developer	Observer
Nina	McLaurin	Progress Energy	Transmission Owner and Developer	Observer
Alan	Myers	ITC Great Plains	Transmission Owner and Developer	Observer
Hertzel	Shamash	Dayton Power and Light Company	Transmission Owner and Developer	Observer
Raja	Sundararajan	AEP	Transmission Owner and Developer	Observer
Paul	Vaitkus	NSTAR Electric Gas & Operations	Transmission Owner and Developer	Observer
Joe	Bryson	US Environmental Protection Agency	Other	Ex-Officio SSC Member
David	Meyer	US Dept of Energy	Other	Ex-Officio SSC Member
Aleksandr	Rudkevich	Charles River Associates	Other	EIPC Consultant
Christopher	Russo	Charles River Associates	Other	EIPC Consultant
Charles	Trabandt	Charles River Associates	Other	EIPC Consultant
John	Buechler	NYISO	Other	EIPC
George	Dawe	Duke Energy	Generation Owner and Developer	EIPC
Ed	Ernst	Duke Energy Carolinas	Other	EIPC
Flora	Flygt	American Transmission Company	Other	EIPC
Dan	Fredrickson	MAPP COR	Other	EIPC
Donald	Gates	ISO New England	Other	EIPC

Bryan	Hill	Southern Company	Other	EIPC
Jameson	Smith	Midwest ISO	Other	EIPC
David	Till	Tennessee Valley Authority	Other	EIPC
Jeffrey	Webb	Midwest ISO	Other	EIPC
David	Whiteley	Whiteley BPS Planning Ventures LLC	Other	EIPC
Charles	Yeung	Southwest Power Pool	Other	EIPC
Ian	Grant	TVA	Other	EIPC
Tim	Ponseti	TVA	Other	EIPC
Bill	Agee	New Jersey Board of Public Utilities	N/A	Observer (via webinar)
Terry	Black	NRDC-FERC Project	N/A	Observer (via webinar)
Angie	Butcher	N/A	N/A	Observer (via webinar)
David	Conroy	Iberdrola USA	N/A	Observer (via webinar)
Calvin	Daniels, ECG	N/A	N/A	Observer (via webinar)
David	Ellis	Public Service Commission of WV	N/A	Observer (via webinar)
Dean	Ellis	Dynegy	N/A	Observer (via webinar)
Jonathan	Fernandez	N/A	N/A	Observer (via webinar)
Al	Freeman	Michigan Public Service Commission	N/A	Observer (via webinar)
Joey	Friedmann	N/A	N/A	Observer (via webinar)
Anna	Giovinetto	RES Americas	N/A	Observer (via webinar)
Stanton	Hadley	Oak Ridge National Laboratory	N/A	Observer (via webinar)
Amy	Hansen	New Jersey Conservation Foundation	N/A	Observer (via webinar)
Dan	Hartman	NW Kansas Regional Energy Collaborative	N/A	Observer (via webinar)
Terry	Harvill	N/A	N/A	Observer (via webinar)
Randell	Johnson	Northeast Utilities Service Co.	N/A	Observer (via webinar)
Jeffery	Kitsembel	Public Service Commission of Wisconsin	N/A	Observer (via webinar)
Michael	Kormos	PJM	N/A	Observer (via webinar)
Dale	Landgren	American Transmission Co	N/A	Observer (via webinar)
Chris	LaRoe	N/A	N/A	Observer (via webinar)
Tina	Lee	KGen Power	N/A	Observer (via webinar)
Jeffrey	Marks	Governor's Office of Energy Independence & Security	N/A	Observer (via webinar)
Valerie	Martin	Federal Energy Regulatory Commission	N/A	Observer (via webinar)
Israel	Melendez	Constellation Energy Group	N/A	Observer (via webinar)
Scott	Morris	Alabama PSC	N/A	Observer (via webinar)
Steve	Offenhauser	N/A	N/A	Observer (via webinar)
Keith	Pitman	New York State DPS	N/A	Observer (via webinar)
Thomas	R.	N/A	N/A	Observer (via webinar)
Andrea	Sarmentero	NJBPU	N/A	Observer (via webinar)
Glen	Skarbakka	N/A	N/A	Observer (via webinar)
Tom	Tiernan	Platts	N/A	Observer (via webinar)
Leonard	Tillman	N/A	N/A	Observer (via webinar)