



Eastern Interconnection Planning Collaborative

**TOTF Webinar Summary
January 27, 2012
Summary**

Meeting Objectives:

- Review data from scenarios
- Discuss progress on data sets to be used in building load flow models
- Review results of process to locate idled generation and site new generation

Action Items:

- Provide input on generation location decisions (if data is available)

TOTF members attending:

End Users: Erin Hogan, Fred Plett

Generation Owners: Michael Goggin

NGOs: Ed Pfeiffer, Matt Schuerger

Public Power/TDUs: Dustin Betz

States: Diane Barney, Stuart Hansen, John Stovall, Craig Taborsky, Michael Wegner

Transmission Owners: Randell Johnson, Evan Wilcox

Other Suppliers: none

Canada: none

Ex Officio: Alicia Dalton-Tingler

EIPC Members: **David Whiteley** (Exec. Dir.), **David Till** and **Dan Fredrickson** (Co-Chairs), **Jeremy Bennett**, **John Buechler**, **Samrat Datta**, **Stan Doe**, David Duebner, **Chuck Liebold**, Kerry Marinan, Pranaya Neupane, Joe Payne, Akarsh Sheilendranath, Zach Smith, Adam Solomon??

1. Update on Action Items from last meeting, Dan Fredrickson, MAPPCOR

- a. Deactivation Approach document has been updated to reflect that the same approach will be used for all fossil units
- b. HVDC Approach has been updated at the request of TOTF members to reflect how costs will be factored into the decision to select HVDC.
- c. Detailed weekly schedule has been updated and posted.
- d. Procedures for handling CEII data are under development.

2. Update on Progress on Input Data Sets, Jeremy Bennett, SOCO (see [TOTF webinar materials](#))

- a. Cumulative deactivations: Data from all NEEM regions sorted by technology is available. NEEM does not retire units but may not run certain units based on economic inputs of the model. Unit is still available to be run in the future.
- b. Unit by Unit Deactivation:
 - PAs are currently reviewing NEEM data which provides specific unit deactivation of generation >200MW and provides a breakdown of aggregate deactivation of units ≤200 MW MWs by size and scrubber technology. This will guide PAs' decisions in distributing the smaller unit deactivations.

- Using SoCo as an example, Bennett noted that all the coal units are deactivated in Scenario 1 (National Combined Climate & Energy Policy) except the forced build coal added to the Scenario.
 - EIPC will try to note which of the aggregate deactivations are units that have been proposed for retirement in the Stakeholder-Specified Infrastructure (SSI) and which are scaled deactivations.
- c. Cumulative New Capacity through 2030 by NEEM region and technology is available; includes capacity needed to meet reserve requirements in each region based on regional load and losses. In some cases CTs are built to meet reserve but are not run.
- Scenario 2 (Future 6: Regionally implemented RPS): Adjustments were made in the location of CTs built by NEEM in MISO_WUMS to reflect the reallocation of CTs across MISO regions in Scenario 1 (Future 8) implemented during Phase I
 - Small Nuclear additions, e.g. 38 MW in PJM, are not new units but nuclear uprates of existing units.
 - The PAs will add new capacity at sites where deactivated units reside if appropriate. If the new capacity was planned for under the SSI, the PAs will site the units at the planned locations. Finally, if remaining new capacity is not suitable for location at deactivated sites, the PAs will use their best judgment in locating it.
 - In response to a question, Bennett acknowledged the challenge of locating large amounts of new nuclear capacity in FRCC and SoCo. Some existing nuclear sites have additional space for new units and some sites have been identified where nuclear projects have been proposed. PAs will make every effort to explain the siting decisions.
- d. Detailed generation dispatch by technology for load blocks 1 and 13 for each Scenario. Using SoCo region as an example, Bennett explained the tables displaying hourly dispatch, and noted that PAs will ensure that as much wind as possible can be delivered to load during block 13.
- EIPC agreed to review data in Scenario 2 MISO_WUMS and other MISO regions to make sure it reflects the distribution of CT capacity discussed above.
 - PAs working on an approach for how to dispatch units that are added but may not be turned on in NEEM.
 - Units of the same technology will have the same economic profile so economics will not drive decisions about which units to dispatch.
- e. Demand data (at the busbar level) has been developed from the final NEEM runs. PAs had to back into the actual load to be served including losses to determine required generation for load flow model.
- f. Interchange between NEEM regions is available as total net export (+ value) or total net import (- value) for each region. Interchange is verified through the calculation:
 Generation = load + losses + interchange.
- EIPC agreed to add total available capacity values to the generation dispatch to the verification tab.
 - The [interactive map](#) showing the NEEM-specified flows provides a visual representation of the interchange.

- Interchange information is primarily important for the PAs and may not represent how the power actually flows in the load flow model
- **By next TOTF meeting**, EIPC hopes to be able to compare the interchange based on the economics of the NEEM model and the flow of electrons in the EI-wide load flow model

g. Remaining Data Needs

- Load modifications for each region should be completed today
- PAs coordinating within and across regions to provide updates to SSI model for 3 scenarios
- Beginning deactivation placements
- End of next week may have all data input and will begin high level gap analysis
- **Next webinar**, EIPC will be able to share more information on siting of generation
- **Next meeting**, EIPC hopes to have run load flow and be able to identify some major constraints and hypothetical fixes
- May not have the entire EI in model yet but that is the goal
- **Will post results as they become available**

3. Review of Action Items and Next Steps, Margaret Pinard, Keystone

- Action items are noted in **red** above.

Attendee Report, TOTF Webinar, January 26, 2012	
First Name	Last Name
Syed	Ahmad
Charlie	Ary
Terry	Black
Jim	Busbin
Keith	Daniel
Ben	D'Antonio
Joe	Eto
Emily	Fisher
Flora	Flygt
Thomas	Gentile
Doug	Gotham
Yonas	Habtemichael
Stan	Hadley
Lucyna	Khazanovich
King	Look
Pranaya	Neupane (JEA)
Andy	Oliver
Sunil	Palla
Bob	Pauley
Bob	Pierce
Maryam	Sharif
George	Smith
Samir	Succar
Roy	Thilly
Frederico	Von Pinho
Yingzi	Wang
Marya	White
John	Zarzycki