



### TOTF Webinar Summary

Feb. 9 2012, 10:00 – 11:30 ET

#### TOTF Members Attending:

**End Users:** Erin Hogan, Fred Plett

**Generation Owners:** Michael Goggin

**NGOs:** Ed Pfeiffer, Matt Schuerger

**Public Power/TDUs:** Dustin Betz, Anie Philip

**States:** Diane Barney, Stuart Hansen, John Stovall, Craig Taborsky, Bob Pauley (alt. for Michael Wegner)

**Transmission Owners:** Randell Johnson, Evan Wilcox

**Other Suppliers:** Bob Stein

**Canada:** Rob Sinclair

**Ex Officio:** Alicia Dalton-Tingler

**EIPC Members:** David Whiteley (Exec. Dir.), Dan Fredrickson (Co-Chair), Jeremy Bennett, John Buechler, David Duebner, Chuck Liebold, Kerry Marinan, Pranaya Neupane, Joe Payne

#### Updates from last Webinar (Dan Fredrickson, MAPP COR)

- Summary & recording of Jan. 26 webinar have been posted
- Deactivations – Planning Authorities (PAs) have been instructed to take note of request to cross reference NEEM deactivations with SSI data on planned retirements and indicate which units are which. (pending)
- Scenario 2 – CT capacity additions in MISO\_WUMS have been appropriately distributed consistent with the anomaly fix; corrected spreadsheets will be posted; Jeremy clarified that deactivation of smaller units from Stakeholder-specified Infrastructure (SSI) was one of the first steps taken in the NEEM modeling process.
- CEII process for TOTF meetings has been finalized and posted.
- Total installed capacity values (based on summer maximum capacity) are now included with generation dispatch spreadsheets as new tab (see installed capacity by technology)

#### 1. Updates to load flow data (Jeremy Bennett, SOCO)

- For each Scenario, EIPC added the amount of installed capacity (cumulative from 2010 to 2030) to the spreadsheets based on calculations from NEEM; PAs intend to document differences between the SSI and NEEM models.
- The PAs are about a week behind schedule in identifying all unit deactivations.
- Jeremy Bennett shared a worksheet template showing generation for each Scenario, its location, capacity, generation, technology, and status (existing, partially or fully deactivated, new, and other information). EIPC plans to have the template completed by all the PAs for the Feb. 22 meeting, to be posted by next Wed., Feb. 15.
- Approximately one-half of PAs have incorporated new load forecast data, identified specific units to deactivate and made a preliminary effort to locate new generation. PAs are working to complete this into a single interconnection model. This has been a major effort.
- A TOTF member noted that in NY a number of retirements of smaller coal units have recently been announced, and this information could benefit the PAs making deactivation decisions.

Jeremy stated that the PAs would like to be able to use that type of information in their deactivation decisions to the extent possible.

- A request was made that PAs include minimum generation by location if it is available, in addition to bus numbers and a regional map to show the location of generation. Jeremy agreed that this would be useful information, but recognized that this information may not be available in the near future due to the desire to get the peak cases completed quickly.
- EIPC clarified that the off-peak case is not a shoulder hour in the summer, but rather a block in the shoulder months. **The memo on the less-than-peak case may need to be updated, since block 13 was selected to represent a condition of high wind output and lower load.**
- Dispatch by region will be based on the NEEM scenario results. The PAs will not be deciding the dispatch based on unit economics since all units have the same characteristics in NEEM, so generation will be scaled across all available units of the same type. Analysis will include some consideration of constraints on the system, for instance where there is a lot of CT capacity and limited generation, PAs will likely dispatch units that do not exacerbate the transmission constraints.
- A TOTF member asked whether NEEM used economics in dispatch, and if so why there is a significant difference in PV generation across regions. NEEM is an economic dispatch model, but there was **no further explanation on differences in PV generation. EIPC agreed to check with Ralph Luciani at CRA about this issue.**
- A number of questions were raised about how demand response (DR) was taken into account in both dispatch and capacity.
  - In NEEM, DR is treated as a pseudo-generator and contributes to reserve margin. DR is used as capacity as needed, but will not be activated unless the NEEM model indicates it is economic. DR is not treated as a load reduction.
  - Jeremy clarified that NEEM does select DR in two regions because it is more economic; in some regions DR was not economic and did not get selected in the NEEM region.
  - Stan Hadley added that DR is seen as a pseudo-generator by NEEM with a high \$/MWH cost. It is modeled as energy and separately as capacity. Only where DR is economic for dispatch will the loads be reduced commensurate with the level of DR needed to meet load.
  - There was no answer available to a query on how DR would be treated in the CRA production cost modeling (in task 9 of the project.)
  - Jeremy confirmed that DR is off-setting reserve requirements in addition to being dispatched where it is economic. DR saves the region from building additional capacity.
  - How will DR be treated in the reliability test? PAs will have difficulty in using DR as a transmission response because we don't know the source and location of the DR. So currently, Jeremy believes that DR will not be used as a transmission fix.
- Jeremy confirmed that capacity not dispatched in the model will be used to address constraints in the transmission system.

### 3. Next Steps:

- What will be covered at in-person meeting and what will be posted?
  - Request from TOTF member to get data and other materials posted ahead of the webinars or meetings to facilitate good discussion
  - Corrections to spreadsheets will be uploaded following the webinar.
  - Templates (deactivation and new capacity) completed by all PAs by Wed., Feb 15; Keystone will post whatever EIPC has received by then even if it is not complete.

- PAs have been working on completing different Scenarios ; EIPC hopes to have at least one Scenario load flow run complete and identification of transmission constraints; if not, they will have a generic high level assessment of transmission issues across the EI but it will not be available by next Wed.

### Attendance Report- Webinar, February 9, 2012

<i>First Name</i>	<i>Last Name</i>
Syed	Ahmad
Garrett	Bissell
Wil	Burns
hisham	choueiki
Don	Gates
James	Gignac
Stan	Hadley
King	Look
Andy	Oliver
sunil	palla
Joe	Payne
Adam	Philpot
Bob	Pierce
Tyler	Ruthven
Maryam	Sharif
George	Smith
Beth	Soholt
David	Till
Ken	Wei
Marya	White
John	Zarzycki