



Eastern Interconnection Planning Collaborative

TOTF Meeting Summary

Friday, June 29, 2012

[Webinar Recording](#) is available

TOTF Members Attending (*= attended via secured webinar):

Generation Owners: Michael Goggin

NGOs: Wil Burns, Ed Pfeiffer

Public Power/TDUs: Anie Phillip

End Users: Fred Plett, Garrett Bissell (proxy for Erin Hogan)

States: Hisham Choueiki, Bob Pauley, Marya White, Craig Taborsky, Doug Gotham, Diane Barney, Stuart Hansen*

Transmission Owners: Evan Wilcox, Randell Johnson

Canada:

Other Suppliers:

EIPC Members: David Whiteley (Exec. Dir.), David Till and Dan Fredrickson (TOTF Co-coordinators), Jerrod Moll, Kerry Marinan, Fred Von Pinho*, Flora Flygt, David Duebner, John Buechler, Samrat Datta, Joseph Payne, Stan Doe, Zach Smith, Chuck Liebold

Objectives:

- Review Scenario 2 solutions for Task 7 (transmission buildout)
- Review Scenarios 1 and 3 for Task 8 (reliability testing)

Action Items:

- Finalize Scenario 2 transmission case to present to the SSC
- Finalize transmission solutions and alternatives considered for Task 8 work
- Prepare presentation to SSC

1. Scenario 2 Transmission Buildout (Jerrod Moll, Southern Company)

- Scenario 2 contains transmission fixes that are significantly smaller and more local/regional than those in Scenario 1.
- In the initial pass, there were over 460 lines added – the majority for generation interconnection, the rest for overloads.
- The majority of additions came in B1, not B13.
- The scenario shows significant new resource additions in the Southeast, and some in SPP, as well as MAPP-CA and MAPP-US.
- A base case has been developed which removes all base and N-1 overloads, many of which were in PJM, MAPP-CA, Dakotas, Northeast, etc.
- The group discussed offshore wind costs and whether, in the high-level cost estimates, an additional cost should be accounted for in the interconnection of offshore wind. The group was reminded that the offshore wind capital cost assumptions used in Phase I reflect the interconnection costs that TOTF members were concerned about, including radial lines. So, if the same cost assumptions are used in Phase II, it should not be necessary to incorporate additional costs for the interconnection of offshore wind.

- There were no major concerns expressed regarding the Scenario 2 buildout.

1. S1 Task 8 (Jerrod Moll, Southern Company)

- The reliability tests are proceeding and some initial constraints have shown up on some very short lines in IL, IN, OH and VA/MD.
- The required fixes required are very minimal, including small line upgrades or reconductors. Very little is anticipated in terms of new transmission facilities.
- Task 8 for Scenario 1 is expected to be complete within a few days.

3. S3 Task 8 (Jerrod Moll, Southern Company)

- Similar to Scenario 1, the reliability testing has generally yielded only very small overloads, nothing widespread.
- Nearly all fixes are reconductors or line upgrades – hardly any new transmission has been added.
- ISO-NE received a stakeholder-proposed alternative wind overlay for the Northeast. That alternative was tested and ultimately it resulted in numerous overload and voltage issues. ISO-NE decided to stay with their original solution, but has continued to explore that solution in consultation with stakeholders. It was suggested that the TOTF consider mentioning this proposal in the Phase 2 Report.
- There was a question brought up about the use of line shunt reactors at the end of long (>100miles) EHV Transmission Lines for voltage rise issues. If a line were to become singled ended the voltage could rise above the allowable threshold for substation equipment.
- Stakeholders requested looping back with VACAR about offshore wind coordination with PJM before the SSC's 7/9 webinar

4. Presentation to SSC (Jerrod Moll, Southern company)

- It was suggested that the SSC should be reminded of the scope and limitations of this study in detailing what the TOTF has accomplished.

5. Phase 2 Report

- The TOTF discussed their thoughts on the types of observations and future guidance that should be included in the Phase 2 report.
- Suggestions included clarifications about the study scope and what is does and does not include, descriptions of the models and sources of data, and observations about the process through which the TOTF worked.

6. Next steps

- The TOTF will finish Task 8 for S1 and S3 in the next two weeks and then will move toward production cost modeling.
- Assuming there are no major SSC objections to the S2 buildout, that will proceed to Task 8, which should be concluded in late July/early August.
- Keystone will poll TOTF members for availability for a webinar July 26 or 27.
- Any TOTF members interested in the raw data files or the constraints modeling should e-mail Ian at TVA (and should be certain to keep these files secure, since they contain CEII data).