Eastern Interconnection Planning Collaborative

Activity Between the First and Second Transmission Options Task Force Meetings

TOTF Meeting

January 10-11, 2012

Key Documents

- Schedule – Phase II Detailed Schedule FINAL 12-6-11.xslx
- Week-by-Week Activities – Phase II Build Out Schedule and Outline_1-3-12.pdf
- See Steps 9, 10, and 11
- The results from work on Steps 9-11 will be primary discussion topic for the second TOTF meeting

Step 9

9. PAs develop a data set for each Scenario prior to load flow solution in #10 (SOPO Task 7)
   a. Make revisions to the Stakeholder Specified Infrastructure case (SSI) on a case-by-case basis
      a. Add transmission only if such infrastructure is already under construction
      b. Remove transmission if decision is supported by the Regional PA.
   b. Determine locations for generation resources that are not producing ("idled" instead of "retired") based on NEEM run results
   c. Determine locations for new generation using PA internal processes
   d. Incorporate peak load level defined by each scenario
   e. Identify transfer levels to be studied
   f. Determine the if "less than peak" case(s) need to be developed for each scenario

Step 10

10. PAs set-up initial load flow for each Scenario (Initial Case Development)
    a. Start with a peak case (as defined by the scenario) with no additional transfers or transmission from starting point ("Baseline Infrastructure" case) – each NEEM region meets its own dispatch requirement based on new generation added and units that are not producing (see #5). New generation interconnected into each NEEM region using each PA's respective internal processes, which might include new transmission required to interconnect these generators.
    b. Develop "less than peak" case from "a" if a "less than peak" case is required based on the scenario description. Re-dispatch and test.

Step 11

11. PAs perform gap analysis, develop initial concepts for transmission additions, and possibly solve load flow for each Scenario
    a. Perform screening power flow analysis (linear transfer analysis, dc power flow anticipated)
    b. Compare regional and interregional transfer limits with transfer requirements
    c. Identify limiting facilities from regional and interregional transfer requirements
    d. Based on gap analysis, PAs identify initial transmission upgrades that may be needed to solve the load flow case for each of the three stakeholder scenarios
    e. May result in a solved peak case (Case “a”) and off-peak case (Case “b”)

Questions