



Eastern Interconnection Planning Collaborative

Approach for Evaluating Transmission Alternatives

TOTF Meeting
January 10-11, 2012

Conceptual Analyses Process

1. Determine key input data
 - Generation, Loads, etc.
2. Individual PAs will incorporate the above data into their respective portion of the SSI model
 - Assuming the installed capacity within their region can be delivered to the load within their region
 - Net area interchange will remain the same as in the SSI model (no additional inter-regional transfer modeled)
3. Update the SSI model with the individual PA model updates (this is the starting point case to evaluate inter-regional transfers)

Conceptual Analyses Process

4. Perform linear transfer analyses to identify the major, EHV overloads
 - Simulate the transfers specified from the NEEM model simultaneously
5. PAs will coordinate amongst each other to identify potential solutions to mitigate the overloads identified on the EHV system
6. Add potential solutions to model and repeat steps 5 & 6 until a solved, AC load flow case with transfers included is obtained

Conceptual Analyses Process

7. Continue to assess the EI until all reliability tests are satisfied (results in a solved, complete transmission plan for Block 1)
8. Repeat steps 1 through 8 to evaluate Off-Peak case (utilizing the transmission topology determined to be necessary to accommodate assumptions specified in Block 1)

Questions

