

Transmission Planning Improvement Task Force (TPITF)

Conference Call

December 18, 2015

1:00 p.m. – 3:00 p.m.

• M i n u t e s •

Welcome/Roll Call (Brian Gedrich)

Brian Gedrich started the meeting with a roll call of the conference call participants. A list of call participants will be included at the end of draft minutes.

Minutes below highlight the discussions on the call.

ITP Model Development Draft Strawman (All)

A draft of the strawman was posted on 12/17/15 for TPITF review. Antoine Lucas led the participants through the draft strawman starting with background information and the purpose for the document.

Antoine reviewed the reliability and economic model sets currently being produced as well as the model sets for the 2015 TPL Steady State Assessment.

- He shared the differences in the Scenario 0 and 5 (S0/S5) reliability models are between the dispatch of conventional and renewable resources. The S0 model considers a higher conventional dispatch with renewables dispatched at the resource's capacity contribution level. The S5 models consider a higher renewables dispatch with the reduction of conventional resources.
- The CBA models are for a single BA with firm and non-firm resources. It uses an integrated marketplace type of dispatch.
- The MDWG models are required by NERC and will continue to be built and serve as the base for ITP and TPL models.

Antoine reviewed the list of model sets currently being proposed by the TPITF.

- CBA model derived from PROMOD runs. Will look at 2 hours; on- and off-peak. Will evaluate reliability issues under a market-type dispatch.
- Scenario models will consist of a base model that will reflect all the BAs serving their load with their firm resources. Will include generation and transactions. A second "alternate" model will be considered for addressing renewables dispatch.
- For the TPL powerflow assessment, a Year 10 model will be used reflecting all firm resources and non-coincident peak loads.
 - Steve Gaw asked how the generation would get dispatched in the TPL model. Antoine replied dispatch blocks will be provided by each LSE.

Wayman Smith inquired to the reasons behind the creation of a common model. Antoine replied the ITPNT scenario models and the CBA models just look at Years 2 and 5 and do not consider Year 10 or the economics of their solutions. Issues will be very different based on the dispatch assumptions. The scenario models are used as bookends for the consideration of conventional and renewables dispatches. The proposed base model would be more representative of how the system looks and would be dispatched with the market. Steve Purdy and Charles Hendrix are good with whichever firm model the group decides to use.

- Wayman asked if resources would be modeled at their full capacities. Antoine replied it would depend on each TO's expectation of how they plan to serve load.
- Steve Gaw added people want to protect their capacity and TCRs do not appear to be reflected in the process due to the differences between the dispatch between the market and scenario models (block dispatch). Antoine replied transmission service and ARRs represent the TO's share of the system between their firm resources and generation. The system is a single BA but with market designs; firm service is representative of their TCRs. LSEs have the transmission service necessary to meet their load and reserve margin requirements. How they choose to exercise/bid paths in the market is up to them.
 - Steve Gaw added he feels the current modeling process ignores real flow patterns and will not show real congestion issues. He felt the construction of the market may need to be addressed to address this issue.

Wayman expressed some concern over masking local area issues using just one model. He added using SPP's peak may not reflect the diversity of the footprint.

Bruce Cude expressed some concern with loads in the CBA models and how it is being picked up in the model.

Jody Holland commented the TWG will have some concern on the difference in load levels between the model sets.

Action Item: SPP staff will compare Year 5 reliability needs between the ITPNT and ITP10 assessments to determine the different issues identified between the assessments (models).

January MOPC (All)

Brian Gedrich will give an update at the January MOPC. Carl Monroe suggested a workshop before the April MOPC to educate members on the proposed changes. Michael Desselle also requested an update for the SPC.

Review Action Items (English Cook)

- SPP staff will compare Year 5 reliability needs between the ITPNT and ITP10 assessments to determine the different issues identified between the assessments (models).

- Steve Gaw requested market-side issues not being fixed within planning be added to the 1/11/16 meeting agenda.

Future Meeting Dates and Locations (Brian Gedrich)

Brian expressed concern over the amount of work needed for the April MOPC and will look to add another meeting date(s) to the schedule below.

- 1/11: OK City. 1-5. Face-to-face meeting before the 1/12-13 MOPC meeting.
- 2/4: Net Conference
- MOPC: 4/12-13

Adjourn (Brian Gedrich)

Brian Gedrich adjourned the meeting at 2:55 pm.

Meeting Attendees:

First Name	Last Name	Company
Alan	Myers	ITC Holdings, Inc
Antoine	Lucas	Southwest Power Pool
Brian	Johnson	AEP
Brian	Gedrich	NextEra Energy Transmission LLC
Bruce	Cude	Xcel Energy / SPS
David	Binkley	ITC Holdings Corp.
Don	Le	NextEra Energy Transmission, LLC
English	Cook	Southwest Power Pool
James M	Corboy	Calvert Advisors, LLC
Jamie	Hajek	NorthWestern Energy
Jason	Davis	SPP
Jason	Chaplin	Oklahoma Corporation Commission
Jody	Holland	South Central MCN, LLC
John	Bell	Kansas Corporation Commission
Katy	Onnen	Kansas City Power & Light
Kevin	Foflygen	City Utilities of Springfield, MO
Liam	Stringham	Sunflower Electric Power Corp.
Marguerite	Wagner	ITC
Michael	Wegner	ITC Holdings
Noumvi	Ghoms	Missouri Public Servie Commission
Steve	Sanders	Western Area Power Administration - UGPR
Steve	Gaw	Wind Coalition
Todd	Tadych	Duke-American Transmission Company (DATC)
Wayman	Smith	American Electric Power

Jason	Atwood	Northeast Texas Electric Cooperative, Inc.
John	Mills	Southwest Power Pool
Kelsey	Allen	Southwest Power Pool
Chris	Jamieson	Southwest Power Pool
Brett	Hooton	Southwest Power Pool
Jerry	Bradshaw	City Utilities of Springfield
Juliano	Freitas	Southwest Power Pool
Pat	McCool	