



Combined 2017 ITP Near-Term (“ITPNT”) Preliminary Model Posting 2017 ITPNT Pass 2 and 2017 ITPNT Consolidated Balancing Authority (CBA) – Pass 1

The Pass 2 power flow models and supplemental data for the 2017 ITPNT analysis have been posted to TrueShare. **Please provide feedback by Friday, July 1st through the [SPP Request Management System \(RMS\)](#).**

In addition to the models being posted, a list of NTCs and idevs from the 2016 ITPNT are provided. Modeling contacts are requested to review the idevs and make updates to be added to the next modeling pass. None of the NTC idevs were ran into the models.

Modeling Contacts are requested to review the following for Pass 2 of the ITPNT:

- 1) Please review the “2016 ITPNT Idevs Final Porfolio.xlsx” spreadsheet and associated idevs if the NTC has been assigned to your company.
 - a. Provide an estimated in service date for the project
 - b. Make any topology corrections to the idevs since it was based on the 2016 models
- 2) Please verify transactions are modeled correctly
- 3) Please verify dispatch is modeled correctly
 - a. For dispatch updates, please request to view dispatch inputs
 - b. Please provide SPP with any known generator retirements
- 4) Please verify topology is modeled appropriately
 - a. Please submit topology updates as PSS®E version 33 idev files through RMS
 - b. Please review Notification to Construction (NTC) Check spreadsheet and tell SPP if NTC is modeled properly, or if TAGIT needs updating
- 5) Please review the ACCC results
 - a. If any non-converged issues can be resolved with modeling updates, please submit
- 6) Please review the spreadsheets comparing the Pass 1 models to last year’s final ITPNT models
 - a. Review large MVA rating changes for possible errors
 - b. Review large load changes for possible errors

Modeling Contacts are requested to review the following for Pass 1 of the CBA ITPNT:

- 1) Please review dispatch
 - a. Please request to view dispatch inputs
- 2) Please review proposed constraints
 - a. Please verify constraints are valid
- 3) Please review the ACCC results
 - a. If any non-converged issues can be resolved with modeling updates, please submit

Information for obtaining the 2017 ITPNT models

In order to obtain access to these documents in TrueShare, stakeholders must provide SPP with a signed [confidentiality agreement](#). Instructions can be obtained by clicking on the link. Please submit these forms via **RMS** through the “Request TrueShare Access” Quick Pick. After the executed confidentiality agreement is received, an account will be created for the requester on TrueShare. An email with instructions for logging on will be sent to requester. For those that already have a TrueShare account, no additional action is necessary.



As a reminder, instructions for accessing the model information can be found on the SPP website [here](#).

The 2017 ITPNT Powerflow Models Pass 2 files can be found on TrueShare under “Integrated Transmission Planning – Confidential and Protected Material and or Critical Energy Infrastructure Information-Do Not Release → 2017 ITPNT” in the “[2017 ITPNT Powerflow Models Pass 2](#)” folder.

The 2017 ITPNT CBA Models Pass 1 files can be found on TrueShare under “Integrated Transmission Planning – Confidential and Protected Material and or Critical Energy Infrastructure Information-Do Not Release → 2017 ITPNT” in the “[2017 ITPNT CBA Models Pass 1](#)” folder.

FILE Information

ITPNT Pass2 files

File Name	Description
2017 ITPNT Pass 2 Sav V33.zip	Models in .SAV file format
2017 ITPNT Pass 2 Raw V33.zip	Models in .RAW file format
2017 ITPNT Pass 2 Xactions.xlsx	Transactions included in models
2017 ITPNT Pass 2 DocuCode.xlsx	SPP DocuCode
2017 ITPNT Pass 2 ACCC.xlsx	ACCC Results
2017 ITPNT Pass 2 NTC Checks.xlsx	Spreadsheet comparing TAGIT NTC ratings vs model ratings
2017 ITPNT Model Compare.zip	Contains spreadsheets comparing Pass 1 to Pass 2
2016 ITPNT Portfolio Idevs.zip	Contains idevs from the 2016 ITPNT

Pass1 CBA Dispatch files:

File Name	Description
2017 ITPNT Pass 1 CBA Sav V33.zip	Models in .SAV file PSSE 33 format
2017 ITPNT Pass 1 CBA Raw V33.zip	Models in .RAW file PSSE 33 format
2017 ITPNT Pass 1 CBA DocuCode.xlsx	SPP DocuCode
2017 ITPNT Pass 1 CBA ACCC.xlsx	ACCC Results
2017ITPNT_CBA_Flowgates_Pass1.mon	Monitored Element File used to constrain the Security Constrained Economic Dispatch of each CBA model (Final 2016 ITPNT CBA Constraints)
2017ITPNT_CBA_P1_Proposed_Add_Con.xlsx	Proposed Constraints in addition to the Final 2016 ITPNT CBA Constraints



Brief Description of Scenario Models:

Scenario 0 is modeled to be as similar as possible to the Model Development Working Group (MDWG) models, but with unconfirmed transactions removed and generation without service agreements removed. The topology of the models is built from Models on Demand (MOD) according to the approved MOD Project matrix. SPP areas and several embedded Load Serving Entities (LSE) were dispatched using generation included in the Designated Network Resource (DNR) file along with member feedback.

Scenario 5 has the same topology as scenario 0, but with all wind reservations set to maximum capacity. All confirmed transmission service between two separate areas or LSEs are set to maximum capacity of the reservation, as well. In seasons where there is not enough load to max out all transactions, the transactions are decreased on a prorated basis.

Brief Description of CBA Models:

CBA models have the same topology as scenario 0 and 5. The CBA models were built by performing a Security Constrained Economic Dispatch (SCED) on the Pass 1 ITPNT Scenario 0 models while treating SPP as a single balancing authority. The overall SPP interchange, DC ties, and generation outside of SPP was unchanged.

Helpful Links

- [Transmission Owner Selection Process \(formerly Order 1000\) home page](#)
 - [Order 1000 Documents](#)
 - [Detailed Project Proposal \(DPP\) page](#)
- [SPP Transmission Planning Page](#)
 - All notice postings previously on the SPP.org home page are now on this page
 - ITP Postings (formerly in Order 1000 Documents folder) [here](#)
- SPP Request Management System ([SPP RMS](#)) is the preferred method for inquiries and data submissions. Click on this link and then “Register Now” if you are not already registered.
 - Quick Picks to use in RMS:
 - “ITP-DPP Submittal” Quick Pick for DPP submissions
 - “Request TrueShare Access” Quick Pick for access to TrueShare for models
 - “ITP – Modeling” Quick Pick for input regarding modeling
 - “ITP – Project Inquiry” Quick Pick for questions/comments regarding projects
- [SPP RMS](#) is the preferred method for receiving all inquiries and solution submittals.