



Combined 2017 ITP Near-Term (“ITPNT”) Pass 3 Models Posting 2017 ITPNT S0/S5 – Pass 3 and 2017 ITPNT SPP Balancing Authority (SPP BA) – Pass 2

The 2017 ITPNT S0/S5 Pass 3 powerflow models and supplemental data, as well as the Pass 2 SPP BA powerflow models for the 2017 ITPNT analysis have been posted to TrueShare. Both the 2017 ITPNT S0/S5 Pass 3 powerflow models and supplemental data, as well as the SPP BA Pass 2 powerflow models are posted in PSSE versions 32 and 33.

TWG members will vote to finalize all 2017 ITPNT models using their standard email voting protocol which allows for five (5) business days to cast a vote.

For the 2017 ITPNT, SPP will consider powerflow models with individual load balancing areas, as well as SPP BA models. SPP will analyze 2018 and 2021 models in the 2017 ITPNT for the following seasons: 2018 summer peak, 2018 winter peak, 2021 light load, 2021 summer peak, and 2021 winter peak. SPP will utilize the PSSE version 32 models to perform the 2017 ITPNT study. A total of 15 model scenarios will be analyzed as part of the 2017 ITPNT Assessment. The modeling set is summarized in the table below:

Description	Scenario 0	Scenario 5	SPP BA
Year 2 peak	ITPNT 2018S ITPNT 2018W	ITPNT 2018S ITPNT 2018W	ITPNT 2018S ITPNT 2018W
Year 5 peak	ITPNT 2021S ITPNT 2021W	ITPNT 2021S ITPNT 2021W	ITPNT 2021S ITPNT 2021W
Year 5 off-peak	ITPNT 2021L	ITPNT 2021L	ITPNT 2021L

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 3 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 3](#)” folder.

The 2017 ITPNT SPP BA 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 SPP BA Models Pass 2](#)” folder.

FILE Information 2017 ITPNT Files:

File Name	Description
2017 ITPNT Pass 3 Sav v32.zip	Models in PSS®E .SAV file format
2017 ITPNT Pass 3 Raw v32.zip	Models in PSS®E .RAW file format
2017 ITPNT Pass 3 Sav v33.zip	Models in PSS®E .SAV file format
2017 ITPNT Pass 3 Raw v33.zip	Models in PSS®E .RAW file format
2017 ITPNT Pass 3 Xactions.xlsx	Transactions included in models
2017 ITPNT Pass 3 DocuCode.xlsx	SPP DocuCode

Final SPP BA Dispatch files:

File Name	Description
2017 ITPNT BA Pass 2 Sav v32.zip	Models in PSS®E .SAV file format
2017 ITPNT BA Pass 2 Raw v32.zip	Models in PSS®E .RAW file format
2017 ITPNT BA Pass 2 Sav v33.zip	Models in PSS®E .SAV file format
2017 ITPNT BA Pass 2 Raw v33.zip	Models in PSS®E .RAW file format
SPP BA_Flowgates_P2_Summer.mon	TARA Monitor Element File used to constrain SCED dispatch
SPP BA_Flowgates_P2_Winter_Light.mon	TARA Monitor Element File used to constrain SCED dispatch
17ITPNT_SPP BA_P2_DocuCode.xlsx	SPP DocuCode
17ITPNT_SPP BA_P2-Addtl Constraints.xlsx	Additional constraints used to constrain the SPP BA dispatch

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 SPP BA Models:

SPP BA models have the same topology as Scenarios 0 and 5. The SPP BA models were built by performing a Security Constrained Economic Dispatch (SCED) on the Pass 3 2017 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.