

2019 ITP Preliminary Model Information - Pass 4

The Pass 4 powerflow models and supplemental data for the 2019 ITP have been posted to TrueShare. The models are being built using PSS®E version 33.10. **Please provide feedback by Thursday, February 1 through the Model on Demand (MOD) and the SPP Request Management System (RMS) using the “ITP – Modeling Inquiry” Quick Pick.** All modeling data needs to be reviewed for accuracy and any erroneous data updated in order to avoid delays to the 2018 MDWG/2019 ITP model build schedule; therefore, all Data Submitters need to follow all instructions provided and review all the posted data.

As a reminder, the following models will be used for the 2019 ITP:

- 2021 Base Reliability Light Load, Summer, and Winter models
- 2024 Base Reliability Light Load, Summer, and Winter models
- 2029 Base Reliability Light Load, Summer, and Winter models

Modeling Contacts are requested to review the following:

- 1) Please verify topology is modeled appropriately
 - a. Please submit topology updates as PSS®E version 33 idev files through [RMS](#) or [MOD](#).
 - i. When submitting projects and profiles to MOD or post processing idevs, please use the following naming convention:
 1. Prefix the project/profile name with your owner/area number underscore company name underscore XXXX OR company name underscore XXXX if you do not have an area/owner number. For example:
 - a. **Project name:** 525_WFEC_Midwest-Franklin_Rebuild.prj or Nextera_Add_GenX.prj
 - b. **Profile name:** 659_BEPC_2017MDWGP4-18S or Nextera_2017MDWGP4-18S
 - ii. The file name should be separated by underscores instead of spaces (e.g., 525_Patent_Gate.prj)
 - iii. For NTC projects, include the UID or PID number at the end. For example, 659_Patent_Gate_UID300.prj or 659_Patent_Gate_UID300.idv

The 2018 series MDWG and 2019 ITP models are being built in parallel; however, the models will be posted separately. Please refer to the model build schedule located on the SPP corporate website under the MDWG page ([2019 ITP and 2018 Series MDWG Powerflow and Short Circuit Model Build](#)) for the different deadlines and milestones.

Information for obtaining the 2019 ITP models

In order to obtain access to these documents in [GlobalScape](#) or [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 Globalscape Access” or “Request TrueShare Access” Quick Pick. After the executed confidentiality agreement is received, an account will be created for the requester on [GlobalScape](#) or [TrueShare](#). An email with instructions for logging in will be sent to the requester. For those that already have a [GlobalScape](#) or [TrueShare](#) account, no additional action is necessary.

As a reminder, instructions for requesting access to the model information can be found on the SPP website

[here](#).

These files can be found on GlobalScape under “ITP (CEII, RSD) → ITP → Non-Competitive → 2019 ITP → 2019 ITP Powerflow Models” in the “Pass 4” folder and on TrueShare under “Integrated Transmission Planning – Confidential and Protected Material and or Critical Energy Infrastructure Information-Do Not Release → 2019 ITP → 2019 ITP Powerflow Models” in the “Pass 4” folder.

FILE Information

File Name	Description
2019_ITP_Pass_4_Raw_v33.zip	Models in .RAW file format
2019_ITP_Pass_4_Sav_v33.zip	Models in .SAV file format
2019_ITP_Pass_4_Docucheck.xlsx	SPP DocuCode
2019_ITP_Pass_4_NTC_Check.xlsx	Workbook comparing TAGIT NTC ratings vs model ratings
2019_ITP_Pass_4_ACCC Results.xlsx	N-1 results
2019_ITP_Pass_4_Transactions.xlsx	Transactions included in models

Brief Description of Scenario Models:

The Base Reliability scenario models assume expected long-term firm transmission service usage levels. Wind and Solar resources are dispatched at each facility's latest 5-year average for the SPP coincident summer peak¹ in the Summer Peak models as well as the SPP coincident winter peak in the Winter Peak models. Wind resources are dispatched at 100% of the Long-term Firm Transmission Service amount in the Light Load models, while Solar is dispatched at its historical average, which is typically 0 MW during the Light Load timeframe.

In all Base Reliability models, the Wind and Solar are not to exceed each facility's firm service amount. In the event that 5 years of historical renewable resource output data is unavailable, SPP will follow the TWG-approved data replacement methodology.

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:
 - “Request Globalscape Access” Quick Pick for access to GlobalScape for models
 - “Request TrueShare Access” Quick Pick for access to TrueShare for models
 - “ITP-Project Inquiry” Quick Pick for questions/comments regarding projects
 - “ITP-Modeling Inquiry” Quick Pick for input regarding modeling
 - “ITP-DPP Submittal” Quick Pick for DPP submissions
 - “ITP-Data Submission” Quick Pick for responses to ITP data requests and surveys from SPP

¹SPP coincident summer peak equals the highest demand including transmission losses for energy measured over a one clock hour period.

- [SPP RMS](#) is the preferred method for receiving all inquiries and solution submittals.