

2021 ITP Base Reliability Powerflow Initial Final Model Information

- **Action Required**

The 2021 ITP Base Reliability (BR) Powerflow Final models and supplemental data will be posted to [GlobalScape](#) by **8:00 am Monday, March 9, 2020**. SPP staff is requesting stakeholder feedback as follows:

- Please verify topology is modeled appropriately
 - Please submit topology updates as PSS®E version 34 idev files through the [Model on Demand \(MOD\)](#); any questions or feedback should be submitted through the [SPP Request Management System \(RMS\)](#).
 - When submitting projects and profiles to MOD or post processing idevs, please use the following naming convention:
 - 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:
 - **Project name:** 525_WFEC_Midwest-Franklin_Rebuild.prj or Nextera_Add_GenX.prj
 - **Profile name:** 659_BEPC_2017MDWGP4-18S or Nextera_2017MDWGP4-18S
 - The file name should be separated by underscores instead of spaces (e.g., 525_Patent_Gate.prj)
 - 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

As a reminder, the following Base Reliability models will be used for the 2021 ITP:

- 2023 Base Reliability Light Load, Summer, and Winter models
- 2026 Base Reliability Light Load, Summer, and Winter models
- 2031 Base Reliability Light Load, Summer, and Winter models

The 2020 series MDWG and 2021 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 ([2020 Series MDWG Powerflow and Short Circuit Model Build](#)) for the different deadlines and milestones.

Note: PSS®E version 34 models are posted on GlobalScape at the link below; PSS®E version 33 models are available upon request.

- **Entities Required to Provide Feedback:**

All interested stakeholders, primarily TWG and MDWG stakeholders

- **Due Date and Method of Submittal**

- **SPP staff will be requesting approval of the 2021 ITP Base Reliability Initial Final Powerflow models from TWG via email on March 19, 2020.**
- Please review and provide any feedback via the SPP Request Management System ([RMS](#)) under the “ITP-Data Submission” Quick Pick.

Please provide topology updates by **Monday, March 16, 2020** through **RMS**. For any questions or feedback, please submit those by **Monday, March 16, 2020** through **RMS** under the “ITP-Data Submissions” Quick Pick. Any data submitted via RMS beyond the deadlines above will be considered late and will follow the ITP Manual Section 10.3 process.

- **Changes from Last Pass**

N/A

- **Modeling Notes:**

- In the 2021 ITP 2031 Winter BR model, a Static VAR Compensator (SVC) was added to the Basin and SPS areas to mitigate voltage instability in order to solve the model.

- **Material Disclaimer**

CONTAINS CONFIDENTIAL AND PROTECTED MATERIAL NOT AVAILABLE TO COMPETITIVE DUTY PERSONNEL
– DO NOT RELEASE

- **File location on [GlobalScape](#)**

For users who have signed an SPP non-competitive duty NDA:

This file can be found on GlobalScape under: ITP → ITP → NCD (CEII, RSD) → NDA → 2021 ITP → Powerflow Models in the “Initial Final” folder.

File Name	Description
2021 ITP P2-INIT_FINAL Compare.zip	Comparison of Pass 1 – Trial 1 to Pass 1 - Trial 2
2021_ITP_INIT_FINAL_Raw_V34.zip	Models in .RAW file format
2021_ITP_INIT_FINAL_Sav_V34.zip	Models in .SAV file format
2021_ITP_INIT_FINAL_Docucheck.xlsx	SPP DocuCode
2021 ITP INIT FINAL Dispatch Results.xlsx	Transactions, shortfall, and potential dispatch errors
2021 ITP INIT FINAL NTC Check.xlsx	Workbook comparing TAGIT NTC ratings vs model ratings

- **Helpful Links and Access**

If you do not already have access to these documents in [GlobalScape](#), see the instructions for [confidentiality agreements](#) and submit the appropriate form via [RMS](#) using the “GlobalScape Access Request” Quick Pick. Other helpful links can be found on [SPP.org](#).