

## 2026 ITP Preliminary Base Reliability (BR) Powerflow Model Information – Pass 2

### Material Disclaimer

CONTAINS CONFIDENTIAL AND PROTECTED MATERIAL NOT AVAILABLE TO COMPETITIVE DUTY PERSONNEL – DO NOT RELEASE OR SHARE THIS MATERIAL with any person or entity who has not executed a Confidentiality Agreement or who is ineligible to receive confidential and protected material (such as a Competitive Duty Personnel).

### • **Action Required**

SPP staff is requesting stakeholder feedback on the 2026 ITP BR Powerflow models – Pass 2, and supplemental data posted today, as follows:

- Please verify topology is modeled appropriately
  - Please submit topology updates as PSS®E version 35.6 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\_2017MDAGP4-18S or Nextera\_2017MDAGP4-18S
    - 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 2026 ITP:

- 2026 Base Reliability Summer, Fall, and Winter models
- 2027 Base Reliability Light Load, Spring, Summer, Fall, and Winter models
- 2030 Base Reliability Summer Shoulder, Summer, and Winter models
- 2035 Base Reliability Summer and Winter

Please note the 2025 series MDAG and 2026 ITP models are **NOT** being built in parallel. SPP will build ITP BR models first and then build MDAG models from the completed ITP BR models. Please refer to the model build schedule located on the SPP corporate website under the MDAG page ([2025 Series MDAG / 2026 ITP Powerflow and Short Circuit Model Build](#)) for the different deadlines and milestones.

- **Entities Required to Provide Feedback:**  
All interested stakeholders, primarily TWG and MDAG stakeholders
- **Due Date and Method of Submittal**  
Please provide topology updates by **Friday, October 4, 2024**, through **MOD**. For any questions or feedback, please submit those by **Friday, October 4, 2024** through the SPP Request Management System (**RMS**) using the “Submit Information” **Request Template**, “Submission” **Request Type**, “Integrated Transmission Planning (ITP)” **Subtype 1**, and “Data Submission” **Subtype 2**.
- **Changes from Last Pass**
  - All season models included
  - Member feedback from Pass 1
- **File location on [Globalscape](#)**  
*For users who have executed a Confidentiality Agreement:*  
This file can be found on Globalscape under: ITP → ITP → NCD (CEII, RSD) → NDA → 2026 ITP → Powerflow Models in the “Pass 2” folder.

File Name	Description
2025 ITP IF- 2026 Pass 2 Compare.zip	Comparison of 2025 ITP Pass IF – 2026 ITP Pass 2
2026_ITP_Pass2_Sav_V35.zip	Models in .SAV, .RAW, and .SEQ file format
2026_ITP_Pass2_Docucheck.xlsx	SPP DocuCode modeling information identifying information overviews (blue tabs), suspect conditions (orange tabs), and errors (red tabs)
2026_ITP_Pass2_Exceptions.xlsx	<ul style="list-style-type: none"> <li>• Review and populate this template with allowable exceptions and reasons for the exceptions, to the red tabs in the 2026_ITP_Pass2_Exceptions.xlsx workbook above. <b>PLEASE Highlight any updates.</b> <ul style="list-style-type: none"> <li>o Highlight and notify SPP of any changes to this template and submit back to SPP</li> </ul> </li> </ul>
2026_ITP_Pass2_Sav_NB_V35.zip	Models in .SAV file, .RAW, and .SEQ format with Node Breaker data
2025_ITP_Pass2_Islands_&_Raw_Read_Warnings.xlsx	Contains islands and raw read warning errors prior to tweaking and solving the models. These winding errors and islands need to be reviewed and corrected in MOD and/or EDST.
Non-PSSE Users.xlsx	<b>Any changes made must be highlighted</b> Contains load and machine overview reports for all unique models being built. Non PSSE

File Name	Description
	<p>users can use this workbook to update their load and generation (concentrate on the tabs highlighted yellow).</p> <ul style="list-style-type: none"> <li>Remember to prefix the non-PSSE user workbook with your company name and/or owner number (e.g., 813_LPL_non-psse users.xlsx)</li> <li><b>Load Overview:</b> Update real and reactive power fields (P &amp; Q). The “PF” column is optional</li> </ul>
Non-PSSE Users - Topology_Example_V35.xlsx	<p><b>Any changes made must be highlighted</b></p> <ul style="list-style-type: none"> <li>This template can be used by non-PSSE users to provide topology updates (powerflow and short circuit). SPP will then convert this data to a format that is usable in MOD and PSSE. Examples of updates include: <ul style="list-style-type: none"> <li>Add transmission facilities</li> <li>Updating ratings, sequence data</li> <li>Etc.</li> </ul> </li> <li>Remember to prefix the non-PSSE user workbook with your company name and/or owner number (e.g., 813_LPL_non-psse users.xlsx)</li> <li>This template can be found on Globalscape at the following directory: Modeling (CEII, RSD) → MDAG Series → Powerflow → 2025 Series → x. Non-PSSE Users Topology Template</li> </ul>
Dispatch Results.xlsx	Results of the ITP BR dispatch by request only via RMS
2025-26 Series Model Build Report Card	This includes the members that have provided feedback on Pass 1 models.

**IMPORTANT NOTE**

- MMWG Powerflow (PF) Checker**
  - SPP Staff **highly recommends** that the MMWG PF Checker is utilized before submitting updates. This tool was developed by MMWG to enable Data Submitters validate powerflow models before submitting updates to SPP (PC) through MOD and EDST. Data Submitters should use this tool to verify and correct any data prior to submitting any updates to SPP in current and ensuing passes/iterations. The tool including the instructions manual is posted on

Globalscape at the following directory: Modeling (CEII, RSD) → MDAG Series → Powerflow → x. Automation Files → 1. Powerflow Checker

- **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 "Initiate a System Access Action" **Request Template**, "Access" **Request Type**, "Globalscape File Sharing" **Subtype 1**, "Add User" **Subtype 2** and "SPPDocushare / Engineering / TCR Models" **Subtype 3**. [Globalscape](#) frequently asked questions can be found in [Knowledgebase Article 686](#) (**Note: Please log into RMS first prior to accessing the Knowledgebase Article link**). Other helpful links can be found on [SPP.org](#).