

## 2023 ITP Base Reliability (BR) Powerflow Model Information – Pass 2

- **Action Required**

SPP staff is requesting stakeholder feedback on the 2023 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 34.8 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 2023 ITP:

- 2024 Base Reliability Light Load, Summer, and Winter models
- 2027 Base Reliability Light Load, Summer, and Winter models
- 2032 Base Reliability Light Load, Summer, and Winter models

Note: As a result of the TWG approved base model reduction for a common year one definition, the 2023 ITP BR year definitions have been updated to align with the MDAG powerflow model build which is why the assessment year models are the same. These models are a new version of the same seasonal model with updated forecasts and topology configurations.

The 2022 series MDAG and 2023 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 MDAG page ([2022 Series MDAG 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 final adjustments for load, generation, transaction, topology, and sequence data updates by **Friday, February 18<sup>th</sup>, 2022** through **MOD**. The deadline for new Load and Generator data was November 26, 2021. If there is a need to add new and/or update load or generator data, it would be considered a LATE submission and will be evaluated through the ITP Manual section 10.3 process. For any questions or feedback, please submit those by **Friday, February 18<sup>th</sup>, 2022** through the SPP Request Management System (**RMS**) using the “Initiate a System Access Action” **Request Template**, “Submission” **Request Type**, and “Integrated Transmission Planning (ITP)” **SubType1**.

- **Changes from Last Pass**

- Member feedback from Pass 1 Trial 2
- Updated external topology for the Eastern Interconnection for all seasons

- **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 → 2023 ITP → Powerflow Models in the “**Pass 2**” folder.

File Name	Description
2023 ITP P2 Compare.zip	Comparison of 2023 ITP Pass 1 Trial 2 – 2023 ITP Pass 2
2023_ITP_P2_Raw_V34.zip	Models in .RAW file format
2023_ITP_P2_Sav_V34.zip	Models in .SAV file format
2023_ITP_P2_Docucheck.xlsx	SPP DocuCode
2023_ITP_P2_Dispatch_Results.xlsx	Transactions, shortfall, and potential dispatch errors
2023_ITP_P2_NTC_Checker.xlsx	Workbook comparing TAGIT NTC ratings vs model ratings
2023_ITP_P2_ACCC Results.zip	N-1 Results

- **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 “Initiate a System Access Action” **Request Template**, “Access” **Request Type**, and “Globalscape File Sharing (Maps, Models, Cases, etc)/SPPDocushare / Engineering / TCR Map / Models” **SubType1**. [GlobalScape](#) frequently asked questions can be found in [Knowledgebase Article 686](#). Other helpful links can be found on [SPP.org](#).