

2023 ITP Base Reliability (BR) Short Circuit Proposed Final Model Information - Update

- **Action Required**

The 2023 Integrated Transmission Planning Assessment (ITP) Proposed Final BR Short Circuit models and supplemental data have been posted to [GlobalScape](#). SPP staff posted these updated models for stakeholder awareness, review, and approval of the updated 2023 ITP BR Short Circuit initial final models. Please verify topology is modeled appropriately.

SPP staff will be requesting TWG approval of the updated final 2023 ITP BR Short Circuit Proposed Final model information via email on December 16, 2022.

As a reminder, the following Base Reliability models will be used for the 2023 ITP:

- 2024 Short Circuit Summer Model
- 2027 Short Circuit Summer Model
- 2032 Short Circuit Summer Model

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.

Note: PSS®E version 34 models are posted on GlobalScape at the link below.

- **Entities Required to Provide Feedback:**

All interested stakeholders, primarily TWG and MDAG stakeholders

- **Due Date and Method of Submittal**

SPP will solicit a motion from TWG via email vote December 16, 2022 to approve the final 2023 ITP BR Short-Circuit Models for use in the 2023 ITP assessment.

- **Changes from Last Pass**

- Updates as listed in the posted 2023 ITP BR Model Update Matrix workbook
- Similar to the 2023 ITP BR Powerflow models, the BR Short Circuit models have been updated with the removal of circuit 2 and sequence data for the Anadarko-Gracemont 138 kV circuit 1. The removal of the network upgrade is a model correction based on SPP Board decision to approve the NTC for re-evaluation. In accordance with RR500, the data was approved on time but was missed by SPP and now has been incorporated as a model correction update.
- Updated to reflect the OPPD provided idevs that were to be incorporated into the approved final short circuit models in April 2022. This model correction was identified during the final model review.

- **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 → Short Circuit Models in the “[Proposed Final Short Circuit Models Rev 2](#)” folder.

File Name	Description
2023 ITP Proposed Final Sav V34_Update.zip	Short-circuit models in sav format
2023 ITP Proposed Final Raw & Seq V34_Update.zip	Short-circuit models in raw and seq format
Max_Fault_Offline_Facilities_ITP.zip	Facilities that should not be online for the max fault scenario
2023 ITP Proposed Final DocuCode_Update.zip	List of possible errors that need reviewing
2022MDWGPF_Exception_Template_File_for_PF_SC.xlsx	Exceptions list for Powerflow and Short Circuit
2023 ITP BR Model Update Matrix.xlsx	Workbook detailing changes made to the model set
Preliminary Fault Currents_Update.zip*	Preliminary bus-fault and line-out 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** “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](#). Other helpful links can be found on [SPP.org](#).