

2024 ITP Final Winter Storm Elliott Powerflow Model Information

- Action Required**

SPP staff is posting the final 2023W model for Winter Storm Elliott as part of the 2024 ITP process.

SPP staff will be requesting vote approval **via email on November 29th, 2023.**

As a reminder, SPP staff built this model based upon the 2023 TPL 23W model using capacity reductions and load distribution reflected during Winter Storm Elliott and approved by the TWG and ESWG. Guidance for “Extreme Winter Weather Scenario” model build is laid out in the “2024 ITP Assessment Scope”. Key generator outages impacted power flow in the footprint of central, western, south-central, and southwest Missouri and northwest Arkansas.

- Entities Required to Provide Feedback:**

All interested stakeholders, primarily TWG and MDAG stakeholders

- Due Date and Method of Submittal**

SPP will solicit approval via email on **Wednesday, November 29, 2023 for the final Elliott and Uri models for use as part of the 2024 ITP assessment.**

- Changes from Last Pass**

PGEN Out of Range issues were resolved in the 23W Elliot model leveraging the data from the EMS snapshot and the 28W model. The new model and idevs have been uploaded to GlobalScape:

New Models: MOD033ElliotModel_23W_V35_PF_PGEN_solved.sav
 MOD033ElliotModel_23W_V35_PF_PGEN_solved.raw

IDEV Fixes: pgen_out_of_range_fixes.idv
 PGEN_OUT_OF_RANGE_FIX.idv

- 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 → 2024 ITP → Powerflow Models → “[Extreme Winter Weather](#)” folder.

File Name	Description
MOD033ElliotModel_23W_V35_PF_PGEN_solved.zip	23W zip file in PSSE v35 raw & sav format with idev corrections

- **IMPORTANT NOTE**

- These models are NOT final and subject to change.

- **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**, "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](#).