

2024 ITP Final Winter Storm Elliott Powerflow Model Information

- Action Required**

SPP staff is posting the updated December 2022 Winter Storm Elliott event model and its associated Year 5 model as part of the 2024 ITP process.

SPP staff will be requesting a motion to approve via email on February 9, 2024.

As discussed during last week’s TWG and ESWG meetings, SPP staff recommended two new Elliott-based winter weather models should be built to better account for the impacts of Winter Storm Elliott on the SPP system, specifically in the target area previously defined in the 2024 ITP scope.

- Entities Required to Provide Feedback:**

All interested stakeholders, primarily TWG, ESWG and MDAG stakeholders

- Due Date and Method of Submittal**

SPP will solicit a motion for approval via email on Friday, February 9, 2024, for the updated final Elliott model for use as part of the 2024 ITP assessment.

- Changes from Last Pass**

- Base EMS model data is based on a timestamp a few minutes earlier in the winter event
- Base EMS data has been converted for real-time online VSAT/TSAT analysis which has made our planning topology conversion via the SPP MOD-033 process unviable
- Additional sub-transmission topology from MMWG/MDAG included for generation resources
- Topology updates like bus numbers, circuit IDs have been modified within the target area to gain additional consistency with planning data

- 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 |
|--|---|
| 2024ITPElliotModel_22W_V35_solved.zip | 23W zip file in PSSE v35 raw & sav format |
| 2024ITPElliotModel_28W_V35_SCRD_solved.zip | 28W zip file in PSSE v35 raw & sav format |

- **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](#).