

2021 ITP Short-Circuit Model Information - Final

- **Action Required**

SPP staff is requesting stakeholder feedback on the 2021 ITP Short-Circuit models – *Final*. The models are being built using PSS®E version 34. The updated 2021 ITP Short-Circuit models – *Final* models are posted to [GlobalScape](#).

As a reminder, a year 2 summer peak model will be used for the 2021 ITP short-circuit assessment in consideration of NERC Standard TPL-001-4. ITP needs will be identified from this Short-Circuit model.

- **Entities Required to Provide Feedback:**

All interested stakeholders, primarily TWG and MDWG stakeholders

- Data Submitters should review the models to ensure that all submitted updates were implemented correctly. SPP staff should be notified of any discrepancies in a timely fashion.

- **Due Date and Method of Submittal**

- **SPP staff will be requesting a motion for approval of the 2021 Short-Circuit Model Information – Final models from TWG via email after the 2021 ITP BR Model voting concludes.**

- **Changes from Last Pass**

- Section 10.3 Updates
 - OPPD – Delivery point addition DPA-2018-OCTOBER-949 into the 2021 ITP model build.
 - Non-scalable load update
 - Boundary Dam PST tolerance adjustment
 - Widen Voltage tolerance to allow model to solve easier
 - Neset line retermination
 - Move termination point from Tande to Northshore to Neset to Northshore 230 kV
 - Everygy reactive setting and 69 kV rating adjustment
 - Switched shunt and LTC setting changes
 - Chisholm – Grant 69kV line rating update from 55/60 MVA to 120 MVA A/B
 - R Project update (GGS-Thedford-Holt County 345 kV line) to move the ISD back to early 2024
 - From NPPD, the update disconnects the 345 and 14.2 kV buses of a 3 winding XFMR in 2021 – 2023 models.

- **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 → 2021 ITP → Short Circuit Models in the “Final” folder.

File Name	Description
2021 ITP SC FINAL Sav.zip	Short-circuit models in sav format
2021 ITP SC FINAL Raw & Seq.zip	Short-circuit models in raw and seq format
Y1-22S-MAX-FAULT-ITP.idv Y2-23S-MAX-FAULT-ITP.idv Y5-26S-MAX-FAULT-ITP.idv Y10-31S-MAX-FAULT-ITP.idv	Facilities that should not be online for the max fault scenario
2021 ITP SC FINAL DocuCode.zip	List of possible errors that need reviewing
2020MDWGPX_Exception_Template_File_for_PF_SC.xlsx	Exceptions list for Powerflow and Short Circuit
Preliminary Fault Currents.zip	Preliminary bus-fault and line-outs 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 “GlobalScape Access Request” Quick Pick. Other helpful links can be found on [SPP.org](#).