

2021 ITP Updated Base Reliability (BR) Powerflow Initial Final Pass 3a Model Information

- **Action Required**

The 2021 Integrated Transmission Planning Assessment (ITP) initial final BR Powerflow models and supplemental data have been posted to [GlobalScape](#). In the previously approved initial final BR powerflow models, duplicate transmission facilities and two loads were inadvertently modeled. These modeling issues do not exist in the 2020 MDWG powerflow models. SPP also received updates from BEPC, OPPD, KCPL (Eversource), and SUNC since the last 2021 ITP BR 3a posting. SPP incorporated these updates in the 2021 ITP BR initial final P3a models. SPP staff is posting these updated models for stakeholder awareness, review, and approval of the updated 2021 ITP BR powerflow initial final Pass 3a models for use in the Siting Plan and the Market Economic Models (MEM) build. Please verify BEPC, OPPD, KCPL and SUNC topology is modeled appropriately.

SPP staff will be requesting TWG approval of the updated final 2021 ITP Updated BR Powerflow Initial Final Pass 3a model information via email on June 12, 2020.

As a reminder, the following Base Reliability models will be used for the 2021 ITP:

- 2023 Base Reliability Light Load, Summer, and Winter models
- 2026 Base Reliability Light Load, Summer, and Winter models
- 2031 Base Reliability Light Load, Summer, and Winter models

The 2020 series MDWG and 2021 ITP models were built in parallel; however, the models are posted separately. Please refer to the model build schedule located on the SPP corporate website under the MDWG page ([2020 Series MDWG 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; PSS®E version 33 models are available upon request.

- **Entities Required to Provide Feedback:**

All interested stakeholders, primarily TWG and MDWG stakeholders

- **Due Date and Method of Submittal**

Please review the posted files prior to **Friday, June 12, 2020**. If there are questions or concerns please submit them through **RMS** under the "ITP-Data Submissions" Quick Pick. Any data submitted via RMS beyond the deadlines in the model build schedule will be considered late and will follow the [ITP Manual Section 10.3](#) process.

- **Changes from Last Pass**

- Updates as listed in the 2021 ITP BR Model Update Matrix workbook

- **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 → Powerflow Models in the “[Initial Final Pass 3a](#)” folder.

File Name	Description
2021 ITP INIT_FINAL – INIT_FINAL P3a Compare.zip	Comparison of Initial Final P3 to Initial Final P3a
2021_ITP_INIT_FINAL_P3a_Raw_V34.zip	Models in .RAW file format
2021_ITP_INIT_FINAL_P3a_Sav_V34.zip	Models in .SAV file format
2021_ITP_INIT_FINAL_P3a_Docucheck.xlsx	SPP DocuCode
2021 ITP INIT FINAL P3a Dispatch Results.xlsx	Transactions, shortfall, and potential dispatch errors
2021 ITP BR Model Update Matrix.xlsx	Workbook containing the model updates applied

- **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](#).