

2021 ITP Updated Needs Assessment Posting

SPP staff has provided supplemental information pertaining to 2021 Integrated Transmission Planning assessment (ITP) needs and has posted an updated 2021 ITP needs workbook.

The updated needs workbook contains updated values for the 2021 ITP Base Reliability models for use in the 2021 ITP Crossroads - Phantom 345 kV Double-Circuit Further Evaluation. These updated values are appended to the Reliability and Economic needs tabs with a new unique Need ID and can easily be identified by filtering the MODEL column by “_FE_”. Updated values for previous voltage collapse needs are included in the voltage tabs with their appropriate monitored facilities, which may be more than the number of proxy monitored facilities in the original needs posting. Also, new Criteria Violations tabs were added to provide additional transparency for right sizing projects to account for new information from the updated models, as well as the Tolk Retirement Sensitivity models. The criteria violations associated with the Tolk Retirement Sensitivity models can be identified by filtering the MODEL column by “_FE_UP_2”.

Congestion scores for a Tolk Retirement Sensitivity economic model will be added in a supplemental posting after the related models are finalized.

As a reminder, there will be no DPP submission period for this updated information, as SPP will utilize any previously existing solutions to evaluate the Target Area.

File Information

[Information for obtaining posted data can be found at the bottom of this document.](#)

The updated 2021 ITP needs assessment can be found on [GlobalScape](#) under “ITP → ITP → NCD (CEII, RSD) → NDA → 2021 ITP → Needs Assessment and Target Areas”.

File Name	Description
Updated 2021 ITP Needs Assessment.xlsx	Updated 2021 ITP Needs Assessment including updated values for the 2021 ITP Further Evaluation

The 2021 ITP models utilized for this needs assessment are posted on GlobalScape using the filepaths listed below:

- Base Reliability Powerflow Models
 - ITP → ITP → NCD (CEII, RSD) → NDA → 2021 ITP → Further Evaluation
- Market Economic Models (formerly SPP BA Economic Models)
 - ITP → ITP → NCD (CEII, RSD) → License_NDA_JointSPPMISO → 2021 ITP **OR**
 - ITP → ITP → NCD (CEII, RSD) → ABBNDA_NDA_JointSPPMISO → 2021 ITP

The auxiliary files utilized for the 2021 ITP Assessment can be found on [GlobalScape](#) under “ITP → ITP → NCD (CEII, RSD) → NDA → 2021 ITP → AUX Files”.

SUB/MON/CON/INVALID CON Data:

File Name	Description
Sub2019_v33.sub	Subsystem file
BCmon2019withInterfaceSummer.mon	Basecase monitored elements file
BCmon2019withInterfaceWinter.mon	Basecase monitored elements file
mon2019_with_local_area_criteria.mon	Monitored elements file
2019 ITP Con Files.zip	Contingency files (member-submitted contingencies)
Contingencies (Auto N-1).txt	Contingency file (auto N-1)
Incremental_Contingencies.con	Additional contingencies for 2021 ITP

Information for obtaining posted data:

In order to obtain access to these documents in [GlobalScape](#), stakeholders must provide SPP with the following signed [confidentiality agreements](#). Instructions can be obtained by clicking on the link. Please submit these forms via [RMS](#) using the “Initiate a System Access Action” **Quick Pick** and “GlobalScape File Sharing (Maps, Models, Cases, etc)/SPPDocushare / Engineering / TCR Map / Models” **SubType1**. After the executed confidentiality agreement is received, an account will be created for the requester on [GlobalScape](#). An email with instructions for logging in will be sent to the requester. For those that already have [GlobalScape](#) access, no additional action is necessary.

As a reminder, instructions for requesting access to the model information can be found on the SPP website [here](#).

Helpful Links

[GlobalScape](#) frequently asked questions can be found in [Knowledgebase Article 686](#). Other helpful links can be found on [SPP.org](#).