

## 2019 ITP Base Reliability (BR) Pass 5a Models

An updated set of 2019 ITP BR Pass 5a models is being made available to stakeholders after incorporating a specific set of modeling updates that were received by SPP staff after the February 22, 2018 Pass 5 model posting. The 2019 ITP Pass 5a Model Update Matrix, models, and associated idev files have been posted to GlobalScape. The posted documents reflect the list of model updates deemed as critical by staff in order to perform the Resource Siting milestone for the 2019 ITP process. These updates and models have been approved by an email vote of the Transmission Working Group on March 9, 2018.

Some modeling updates that were received after the February 22, 2018 deadline Pass 5 model posting were not included in the 2019 ITP BR Pass 5a models as they were not deemed critical to the Resource Siting milestone. For the model updates that were excluded, staff has provided written communication to the data submitters as such and will assess the remaining model updates per the requirements of the [ITP Manual](#) Section 9.3, for finalization later in the process. The 2019 ITP BR models, Economic, and BA models will be updated in early August 2018 with the addition of any SPP Board-approved NTC additions, modifications, or withdrawals as well as any requested NTC re-evaluations, which is consistent with the Transmission Planning Improvement Task Force (TPITF) Whitepaper.

The 2019 ITP BR models are scheduled to be finalized August 2018.

As a reminder, the following models will be used for the 2019 ITP:

- 2021 Base Reliability Light Load, Summer, and Winter models
- 2024 Base Reliability Light Load, Summer, and Winter models
- 2029 Base Reliability Light Load, Summer, and Winter models

### Material Disclaimer

“CONTAINS CONFIDENTIAL AND PROTECTED MATERIAL NOT AVAILABLE TO COMPETITIVE DUTY PERSONNEL – DO NOT RELEASE”

### Information for obtaining posted data:

These files can be found on GlobalScape under: ITP (CEII, RSD) → ITP → Non-Competitive → [NDA](#) → [2019 ITP](#) → [2019 ITP Powerflow Models](#) → [Pass 5a](#)

File Name	Description
2019 ITP BR Pass 5a Model Update Matrix.xlsx	List of model updates for the 2019 ITP BR pass 5a models
2019 ITP BR Pass 5a Model Update Idevs.zipx	Model update idevs for the 2019 ITP BR pass 5a models
2019_ITP_BR_Pass 5a_Raw_v33.zip	2019 ITP BR pass 5a models in .RAW file format
2019_ITP_BR_Pass 5a_Sav_v33.zip	2019 ITP BR pass 5a models in .SAV file format
DocuCode-20180330.xlsx	2019 ITP BR pass 5a models SPP DocuCode

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](#) through the “Request Globalscape Access” Quick Pick. 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](#).

#### *Brief Description of Scenario Models:*

The Base Reliability scenario models assume expected long-term firm transmission service usage levels. Wind and Solar resources are dispatched at each facility's latest 5-year average for the SPP coincident summer peak<sup>1</sup> in the Summer Peak models as well as the SPP coincident winter peak in the Winter Peak models. Wind resources are dispatched at 100% of the Long-term Firm Transmission Service amount in the Light Load models, while Solar is dispatched at its historical average, which is typically 0 MW during the Light Load timeframe.

In all Base Reliability models, the Wind and Solar are not to exceed each facility's firm service amount. In the event that 5 years of historical renewable resource output data is unavailable, SPP will follow the TWG-approved data replacement methodology.

#### **Helpful Links**

- [Transmission Owner Selection Process \(formerly Order 1000\) home page](#)
  - [Order 1000 Documents](#)
  - [Detailed Project Proposal \(DPP\) page](#)
- [SPP Transmission Planning Page](#)
  - [All notice postings previously on the SPP.org home page are now on this page](#)
  - [ITP Postings \(formerly in Order 1000 Documents folder\) here](#)
- SPP Request Management System ([SPP RMS](#)) is the preferred method for inquiries and data submissions. Click on this link and then "Register Now" if you are not already registered.
  - Quick Picks to use in RMS:
    - "Request Globalscape Access" Quick Pick for access to GlobalScape for models
    - "ITP-Project Inquiry" Quick Pick for questions/comments regarding projects
    - "ITP-Modeling Inquiry" Quick Pick for input regarding modeling
    - "ITP-DPP Submittal" Quick Pick for DPP submissions
    - "ITP-Data Submission" Quick Pick for responses to ITP data requests and surveys from SPP
- [SPP RMS](#) is the preferred method for receiving all inquiries and solution submittals.

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<sup>1</sup>SPP coincident summer peak equals the highest demand including transmission losses for energy measured over a one clock hour period.