

## 2019 ITP Base Reliability (BR) Updated Pass 5c Final Models

The final version of the 2019 ITP BR Pass 5c models have been posted to GlobalScape. As a reminder, this pass incorporated the model updates related to the SPP-2017-AG1 study as well as certain transmission service updates through January 1, 2018. The updated 2019 ITP Model Update Matrix, models, and associated transactions for these model updates have also been posted to GlobalScape. The posted documents reflect the associated model updates applied to the 2019 ITP models.

The model updates include SPP-2017-AG1 service, Renewal/Non-Renewal service, and Delivery Point Transfers (DPT).

The models are being built using PSS®E version 33.10. Stakeholders are requested to please review the updated 2019 ITP BR Models to verify that their changes have been accurately implemented. All modeling data needs to be reviewed for accuracy and any erroneous data updated in order to avoid delays to the 2019 ITP model build schedule. **The TWG will be requested to approve the updated 2019 ITP BR Models Pass 5c via separate email vote.**

The 2019 ITP BR models and Economic 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. 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 AND/OR CEII – DO NOT RELEASE**

### Information for obtaining posted data:

These files can be found on GlobalScape under: ITP → ITP → NCD (CEII, RSD) → NDA → 2019 ITP → 2019 ITP Powerflow Models → [Pass 5c Final](#)

| File Name                                      | Description  |
|--|--|
| 2019_ITP_Model_Update Matrix_Pass5c_Final.xlsx | List of model updates for the 2019 ITP BR pass 5c models |
| 2019_ITP_BR_Pass5c_Transactions_Final.xlsx     | Transactions in the 2019 ITP BR pass 5c models           |
| 2019_ITP_BR_Pass5c_Final_Raw_v33.zip           | 2019 ITP BR pass 5c models in .RAW file format           |
| 2019_ITP_BR_Pass5c_Final_Sav_v33.zip           | 2019 ITP BR pass 5c models in .SAV file format           |
| 2019_ITP_BR_Pass5c_Final.xlsx                  | 2019 ITP BR pass 5c models SPP DocuCode                  |

In order to obtain access to these documents in [GlobalScape](#), stakeholders must provide SPP with a signed [confidentiality agreement](#). 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](#) and an email with instructions for logging in will be sent to the requester. For those that already have a [GlobalScape](#) account, 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:
    - “**GlobalScape Access Request**” 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.