

## 2019 ITP Economic Model Pass 3

Pass 3 of the 2019 ITP year 2 (Y2) Economic model has been posted to GlobalScape with supporting generation review workbooks. This model includes updates received from the Pass 2 review as well as preliminary benchmarking results. SPP recommends stakeholders approve this model to be used for the 2019 ITP Benchmarking milestone.

A summary of changes made to the 2019 ITP Economic Model Pass 2 are listed below by dataset. No changes were made to load review data.

### 2019 ITP Generator Data Review\_Internal\_Pass 5aPF - Benchmarking\_20180504 workbook:

- Pumped Storage Ownership Changes:
  - Affected Units: Harry Truman, Clarence Cannon\_PS, Degray\_PS
  - PROMOD cannot honor multi-pool ownership for Pumped Storage Hydro units
  - Ownership given to Southwestern Power Administration
- Wind Ownership Change:
  - Affected unit: Chisholm Wind
  - PROMOD cannot honor ownership of generation outside of simulated regions
  - Ownership given to Tennessee Valley Authority to eliminate all energy being assigned to SPP Other
- Seasonal Operation Change:
  - Staff implemented Stakeholder unit seasonal (winter and summer) PMAx (MW) updates by adjusting unit specific max cap profiles via automation. This implementation is reflected in the [Seasonal Operation] tab by using the following rules:
    - If the max cap in the economic model gen tab is different, then the max cap profile is created by Y2 Winter/Y2 Summer.
    - If the max cap in the economic model gen tab is the same for summer and winter (Y5 Summer = Y5 Winter), then the max cap profile is created from the seasonal operation tab.

### 2019 ITP Y2 Economic model Scenario:

- Set Company Flag set to “Yes” for all Areas
- Incorporated changes in Generator Data Review workbook posted
- Updated external Demand Group Mappings
- Corrected over-allocation of external units
- Renewable units with a curtailment price of \$0.50 was updated to a curtailment price of \$0.00
- Created new automatic maintenance records
- Restored Capacity Segment values to ABB default
- Corrected monthly Variable and Fixed Operation & Maintenance dollars to reflect ABB F16 values
- Corrected over-allocation of external units
- Adjusted Reserve Contribution Max Cap (%) to ensure SPP meets operating and spinning reserve requirements

### Material Disclaimer

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

**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](#) 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](#).

In order to obtain access to SPP’s current PROMOD version, please email [PB\\_Support.PGES@abb.com](mailto:PB_Support.PGES@abb.com) and request to receive the delivery number “Spp103638”.

These files can be found on [GlobalScape](#) under “ITP → ITP → NCD (CEII, RSD) → ABBNDA\_NDA” in the “2019 ITP” folder and under “ITP → ITP → NCD (CEII, RSD) → License\_NDA” in the “2019 ITP” folder.

*For users who have an ABB PROMOD license or have signed an ABB NDA:*

File Name	Description
2019 ITP Gen Review-Pass 3.zip	2019 ITP Generation Review with necessary changes for model correction and PROMOD implementation; Document detailing model changes made
ITP Y2 BA Powerflow Compare.zip	Contains comparisons of powerflow models used in the economic model for pass 1 and pass 2

These files can be found on [GlobalScape](#) under “ITP → ITP → NCD (CEII, RSD) → License\_NDA\_JointSPPMISO → 2019 ITP” in the “PROMOD Models” folder.

*For users who license ABB nodal simulation ready software and have signed the MISO-SPP Joint NDA:*

Folder or File Name	Description
2019 ITP Y2 Economic model Scenario_Pass 3.zip	Published Y2 scenario and associated event files, .dat, and .LIB files

These files can be found on [GlobalScape](#) under “ITP → ITP → NCD (CEII, RSD) → ABBNDA\_NDA\_JointSPPMISO” in the “2019 ITP” folder.

*For users who have signed an ABB NDA and have signed the MISO-SPP Joint NDA:*

File Name	Description
2019 ITP Y2 Economic model Inputs_Pass 3.zip	Spreadsheet containing Year 2 PROMOD Scenario inputs

**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.