



2017 ITP 10-Year Assessment (ITP10) Model Update

Economic Data

2017 ITP 10-Year Assessment (ITP10) Powerbase Scenario Name Update

Updated 2017 ITP10 Powerbase scenarios have been posted on TrueShare. The new scenario names were not implemented correctly. As a result, when subscribing the scenarios published on May 3rd, the previous names are utilized instead of the new names listed below. Again, no changes were made to the approved Powerbase database, so if you have processed runs from the May 3rd posting then your analysis will not be affected.

Also included in the posting are the forced outage files for each future, which are unchanged from previous postings.

These files can be found on TrueShare under:

[TrueShare](#) >> [Integrated Transmission Planning--Confidential and Protected Material and or Critical Energy Infrastructure Information-Do Not Release](#) >> [2017 ITP10](#) >> [Joint NDA – 2017 ITP10 Models](#)

Files posted on TrueShare:

For users who license ABB nodal simulation ready software:

| Folder or File Name | Description |
|--------------------------------------|----------------------------------------|
| ITP11720F1APR14BAGP | Final 2020 Future 1 Powerbase Scenario |
| ITP11720F2APR14BAGR | Final 2020 Future 2 Powerbase Scenario |
| ITP11720F3APR14BAGT | Final 2020 Future 3 Powerbase Scenario |
| ITP11725F1APR14BAGQ | Final 2025 Future 1 Powerbase Scenario |
| ITP11725F2APR14BAGS | Final 2025 Future 2 Powerbase Scenario |
| ITP11725F3APR14BAGU | Final 2025 Future 3 Powerbase Scenario |
| 2017ITP10 F1 2020 Forced Outages.LIB | Final 2020 Future 1 Forced Outage File |
| 2017ITP10 F2 2020 Forced Outages.LIB | Final 2020 Future 2 Forced Outage File |
| 2017ITP10 F3 2020 Forced Outages.LIB | Final 2020 Future 3 Forced Outage File |
| 2017ITP10 F1 2025 Forced Outages.LIB | Final 2025 Future 1 Forced Outage File |
| 2017ITP10 F2 2025 Forced Outages.LIB | Final 2025 Future 2 Forced Outage File |
| 2017ITP10 F3 2025 Forced Outages.LIB | Final 2025 Future 3 Forced Outage File |

Special Notice Regarding Requirement for Model Access

Stakeholders will be required to complete and sign a joint [Critical Energy Infrastructure Information \(CEII\) form](#) previously developed between SPP and MISO. This is required as the current models include MISO CEII data in addition to SPP’s data. The MISO data was used to model regions external to SPP. For stakeholders that have already completed the joint CEII form due to participation in past studies, they should already have access. To obtain access to the applicable TrueShare folder identified below, please sign and return the form via the [SPP Request Management System](#) (RMS) using the “Request TrueShare Access” Quick Pick (Note: This required form for this request is in addition to the default confidentiality agreement linked in



RMS.). This required form is located on the [SPP website](#)¹ and does not supplant the requirement to also complete the SPP confidentiality agreement if you have not already done so, as described below.

Powerflow Data

Additionally, the DC-AC converted powerflow models are ready for TWG approval. Staff did make one correction to the F3 models to allocate VARs for the rooftop solar units to the correct machine because of the lack of machine level mapping data in PROMOD output files that carries over into PAT. Correcting this issue resulted in a net loss of 29 MVAR across the entire SPP system.

The TWG will be solicited for a motion and second to vote on the final powerflow models using their Expedited TWG Email Voting Protocol no later than Tuesday, May 10th.

The AC converted 2017 ITP10 Powerflow models can be found on TrueShare under:

Trueshare >> Integrated Transmission Planning--Confidential and Protected Material and or Critical Energy Infrastructure Information-Do Not Release >> 2017 ITP10 >> 2017 ITP10 Powerflow Models

Files posted on TrueShare:

| Model Description | Model Name | Description |
|---------------------------|-------------------------|-----------------------------------------------------------------------------------|
| Future 1 2025 Summer Peak | 2017ITP10_F1_P3_25S.sav | 2025 Topology with Future 1 Resource Plan, Dispatched using PROMOD Summer Ratings |
| Future 1 2025 Off-Peak | 2017ITP10_F1_P3_25L.sav | 2025 Topology with Future 1 Resource Plan, Dispatched using PROMOD Winter Ratings |
| Future 2 2025 Summer Peak | 2017ITP10_F2_P3_25S.sav | 2025 Topology with Future 2 Resource Plan, Dispatched using PROMOD Summer Ratings |
| Future 2 2025 Off-Peak | 2017ITP10_F2_P3_25L.sav | 2025 Topology with Future 2 Resource Plan, Dispatched using PROMOD Winter Ratings |
| Future 3 2025 Summer Peak | 2017ITP10_F3_P3_25S.sav | 2025 Topology with Future 3 Resource Plan, Dispatched using PROMOD Summer Ratings |
| Future 3 2025 Off-Peak | 2017ITP10_F3_P3_25L.sav | 2025 Topology with Future 3 Resource Plan, Dispatched using PROMOD Winter Ratings |

Information for obtaining the 2017 ITP10 models

In order to obtain access to these documents in TrueShare, 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 TrueShare Access" Quick Pick. After the executed confidentiality agreement is received, an account will be created for the requester on TrueShare. An email with instructions for logging on will be sent to requester. For those that already have a TrueShare account, no additional action is necessary.

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

Helpful Links

- [Transmission Owner Selection Process \(formerly Order 1000\) home page](#)
 - [Order 1000 Documents](#)

¹ http://www.spp.org/documents/22878/miso-spp_joint_ceii_nda.pdf



- [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.
 - Choose Quick Pick “**Integrated Transmission Planning (ITP)**”
 - Choose Request Type “**ITP Submittals**”
 - Choose one of the following from the **Subtype 1** field:
 - **Project Inquiry**
 - **Modeling Inquiry**
 - **DPP Submittal**
 - “**Request TrueShare Access**” Quick Pick for access to TrueShare for models
- [SPP RMS](#) is the preferred method for receiving all inquiries and solution submittals.