



2017 ITP 10-Year Assessment (ITP10) Data Update

Economic Data

Updated event (EVE) files for the 2017 ITP10 have been posted on TrueShare. SPP, with the help of ABB, has addressed issues in the EVE files causing PROMOD to violate some branch ratings:

- Duplicate contingency identifiers
- Text formatting, recommended changes as follows:
 - Six digit ratings for all events
 - Wild cards for Rate A under contingency
 - Single spacing between ratings

The following changes were also made to the EVE files:

- Removal of date blocks to follow the PROMOD standard seasons
- Removal of two (2) inconsequential external events containing generation outages

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
2017ITP10_2025_MASTER_EVE_20160427.EVE	Final 2025 Event File (All Futures)
2017ITP10_2020_F1_F3_MASTER_EVE_20160427.EVE	Final 2020 Event File (Futures 1 and 3 only)
2017ITP10_2020_F2_MASTER_EVE_20160427.EVE	Final 2020 Event File (Future 2 only)
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

Also, due to the event file updates SPP Staff renamed the approved PROMOD models scenarios. As a result, models are being reposted. Please note that no changes were made to the approved Powerbase database, only renaming of the scenarios occurred.

SPP Staff has included the final APC results for the 2020 and 2025 PROMOD scenarios runs.

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 >> Output Data

Files posted on TrueShare:



For users with access to the 2017 ITP10 TrueShare folder:

File Name	Description
ITP11725F1APR14BAGQ_APC.xlsx	2025 Future 1 APC Summary (Study Year)
ITP11725F2APR14BAGS_APC.xlsx	2025 Future 2 APC Summary (Study Year)
ITP11725F3APR14BAGU_APC.xlsx	2025 Future 3 APC Summary (Study Year)
ITP11720F1APR14BAGP_APC.xlsx	2020 Future 1 APC Summary (Study Year)
ITP11720F2APR14BAGR_APC.xlsx	2020 Future 2 APC Summary (Study Year)
ITP11720F3APR14BAGT_APC.xlsx	2020 Future 3 APC Summary (Study Year)

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 final review and TWG approval. The following changes were made to the model set:

- New dispatch based on corrected PROMOD IV event file
- Implementation of appropriate stakeholder feedback as deemed appropriate by SPP staff
 - *Included:* reactive device settings, voltage schedule settings, tap settings, etc.
 - *Not included:* topology changes, NTC removals
- Explicit DC tie modeling for reactive requirements
- Setting phase shifter angles to better align angle value in PROMOD IV, adjusted to remove loop flows causing AC solution issues
- Internal and External resource plan voltage schedule fixes (set to 1.02 p.u.)
- Corrected conflicting voltage set points
- Correction for seasonal off-peak ratings
- Corrected erroneous P/Q Min/Max values on generators inside/outside of SPP
- Turned off generators incorrectly acting as synchronous condensers in XEL (600) and Manitoba Hydro (667)

The TWG will vote on the final powerflow models using their Expedited TWG Email Voting Protocol no later than Tuesday, May 10th. Please review the changes applied as a result of stakeholder feedback on reactive device settings and ensure the reactive resources have been applied correctly. If you notice a requested change has been applied incorrectly, please notify staff through the SPP [Request Management System](#) (SPP RMS) by Friday, May 6th.

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



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_P2_25S.sav	2025 Topology with Future 1 Resource Plan, Dispatched using PROMOD Summer Ratings
Future 1 2025 Off-Peak	2017ITP10_F1_P2_25L.sav	2025 Topology with Future 1 Resource Plan, Dispatched using PROMOD Winter Ratings
Future 2 2025 Summer Peak	2017ITP10_F2_P2_25S.sav	2025 Topology with Future 2 Resource Plan, Dispatched using PROMOD Summer Ratings
Future 2 2025 Off-Peak	2017ITP10_F2_P2_25L.sav	2025 Topology with Future 2 Resource Plan, Dispatched using PROMOD Winter Ratings
Future 3 2025 Summer Peak	2017ITP10_F3_P2_25S.sav	2025 Topology with Future 3 Resource Plan, Dispatched using PROMOD Summer Ratings
Future 3 2025 Off-Peak	2017ITP10_F3_P2_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](#)
 - [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.