



2017 ITP 10-Year Assessment (ITP10) “Side Bar” Economic and Powerflow Models Posted

The 2017 ITP10 “Side Bar” economic and powerflow models have been posted to Trueshare. The economic models posted are representative of all three (3) Futures in 2025. The powerflow models have incorporated coincident peak loads using PROMOD for SPP and First-Tier regions. The dispatch for each reliability hour for Futures 1, 2 and 3 has been incorporated into the 2017 ITP10 “Side Bar” Futures 1, 2 and 3 models, respectively. The event file (EVE) is reflective of the constraints identified in the constraint assessment process during the “Side Bar” analysis, and includes thermal violations identified after the completion of the 2017 ITP10 Needs Assessment. SPP Staff is utilizing PROMOD IV 11.1.7 and PSSE v32 for the 2017 ITP10 “Side Bar.”

Special Notice Regarding New 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.

The updates made to the economic models since the approved economic models posted on March 31st are:

- Model corrections received during the DPP window for submitting projects for the 2017 ITP10 Needs Assessment.
- Wind profiles for existing and resource plan wind resources were updated based on the correct time zone.
- The removal or inclusion of projects with a Notice to Construct (NTC) as necessary.
- Removal of external transactions to non-translated areas.
- Removal of hydro generation transactions and remodeled as percent ownership of units.
- Updated Manitoba Hydro DC line limits to allow consistent parallel line operation.

The PROMOD 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

Folder or File Name	Description
ITP11725F1NOV07BNQX	2025 Future 1 PROMOD “Side Bar” Database (Study Year)
ITP11725F2NOV07BNQZ	2025 Future 2 PROMOD “Side Bar” Database (Study Year)
ITP11725F3NOV07BNRB	2025 Future 3 PROMOD “Side Bar” Database (Study Year)
2017ITP10 F1 2025 Forced Outages.LIB	Forced Outage File for 2025 Future 1 Model
2017ITP10 F2 2025 Forced Outages.LIB	Forced Outage File for 2025 Future 2 Model
2017ITP10 F3 2025 Forced Outages.LIB	Forced Outage File for 2025 Future 3 Model

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



Folder or File Name	Description
2017ITP10_Sidebar_2025_Master_EVE.EVE	2025 "Side Bar" Event File (compatible with all 2025 models)

The powerflow 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 >> 2017 ITP10 Powerflow Models

Folder or File Name	Description
2017ITP10_25L1_CBA_Dec01.sav	2025 "Side Bar" F1 Light Load case
2017ITP10_25L2_CBA_Dec01.sav	2025 "Side Bar" F2 Light Load case
2017ITP10_25L3_CBA_Dec01.sav	2025 "Side Bar" F3 Light Load case
2017ITP10_25S1_CBA_Dec01.sav	2025 "Side Bar" F1 Summer Peak case
2017ITP10_25S2_CBA_Dec01.sav	2025 "Side Bar" F2 Summer Peak case
2017ITP10_25S3_CBA_Dec01.sav	2025 "Side Bar" F3 Summer Peak case

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](#)
 - 2016 ITPNT updated schedule dates are included [here](#)
 - 2017 ITP10 schedule dates are [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:
 - "ITP-DPP Submittal" Quick Pick for DPP submissions
 - "Request TrueShare Access" Quick Pick for access to TrueShare for models
 - "ITP – Modeling" Quick Pick for input regarding modeling
 - "ITP – Project Inquiry" Quick Pick for questions/comments regarding projects
- [SPP RMS](#) is the preferred method for receiving all inquiries and solution submittals.