

2023 ITP Market Economic Model (MEM) - Pass 2 Update 2

- **No Action Required**

SPP staff posted the updated 2023 ITP MEMs that will be used for the 2023 ITP Constraint Assessment.

SPP is **not** requesting changes to economic model input data. Any changes submitted will be considered under Section 10.3 of the ITP Manual.

- **Interested Entities**

All interested stakeholders; primarily, ESWG members

- **Due Date and Method of Submittal**

None

- **Changes from Last Pass**

- Modeling Updates

- Refined SPP Book of Flowgate event files
 - Coal Creek nomogram
 - SPP – SaskPower interface definition
 - Revert back to Kerr – Maid 161 kV circuit 2 original line ratings
 - Catoosa to Catoosa (GRDA) 138 kV Z1 line ratings
- Removed two (2) projects from the 2022 ITP portfolio case in PROMOD
 - Kerr – Maid 161 kV double circuit rebuild
 - Westmoore – Westmoore Tap 138 kV circuit 1 rebuild
- Updated MEM input powerflow models
 - Crossroads – Hobbs – Road Runner 345 kV double circuit
 - 2022 ITP portfolio projects
 - Utica Junction 115 kV
 - Siloam Springs and Siloam Springs City 161 kV terminal equipment
 - 36th & Lewis – 52nd & Delaware Tap 138 kV rebuild
 - Eagle – J1 Center 69 kV rebuild
 - Fargo 230 kV terminal equipment
 - SaskPower Boundary Dam projects
 - Boundary Dam – Tande 230 kV new line (BEPC)
 - Boundary Dam – Wheelock 230 kV new line (BEPC)
 - SE Williston 115 kV 12 MVAR capacity
 - AEP’s updated line ratings
 - Boundary Dam PSTs
 - Voltage-Regulating PST
 - In-service
 - Power-Seeking PST
 - Vmax (MW) and Vmin (MW)
 - Lower and upper angle limits

SPP plans to purchase the latest Wood Mackenzie Henry Hub fuel forecast that is due to release this month. We will incorporate the average fuel forecasts data into the MEMs as soon as possible.

- **Material Disclaimer**

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

- **File location on GlobalScape**

In order to obtain access to SPP’s current PROMOD version, please email pb_support.pges@hitachi-powergrids.com and request PROMOD version 11.5.0 (Spp104389 engine).

For users who have signed an NCD NDA, ABB NDA, MISO-SPP Joint NDA, and license ABB PROMOD nodal simulation ready software:

These files can be found on GlobalScape under: *ITP → ITP → NCD (CEII, RSD) → License_NDA_JointSPPMISO → 2023 ITP → 2023_ITP_MEM_Pass_2_Update_2.zip*

File Name	Description
2023_ITP_MEM_Detail_Document_Pass_2_Update_2.docx	Posted Material Overview
2023_ITP_MEM_Scenario_Pass_2_Update_2	Published PROMOD Scenarios
2023_ITP_MEM_Run_Files_Pass_2_Update_2	PROMOD Run Files
2023_ITP_MEM_Database_Extracted_Pass_2_Update_2	PROMOD Scenario in Excel
2023_ITP_MEM_Outputs_Pass_2_Update_2	Output reports

For users who have signed a NCD NDA, ABB NDA, and MISO-SPP Joint NDA:

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File Name	Description
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For users who have signed NCD NDA:

These files can be found on GlobalScape under: *ITP → ITP → NCD (CEII, RSD) → NDA → 2023 ITP → 2023_ITP_MEM_Input_Powerflow_Pass_2_Update_2.zip*

File Name	Description
2023_ITP_MEM_Input_Powerflow_Pass_2_Update_2	Input powerflows for MEM

- **Helpful Links and Access**

- If you do not already have access to these documents in [GlobalScape](#), see the instructions for [confidentiality agreements](#) and submit the appropriate form via [RMS](#) using the “Initiate a System Access Action” **Request Template**, “Access” **Request Type**, and “Globalscape File Sharing” **SubType 1** “Add User” **SubType 2** “SPPDocushare / Engineering / TCR Models” **SubType 3**. [GlobalScape](#) frequently asked questions can be found in [Knowledgebase Article 686](#). Other helpful links can be found on [SPP.org](#).