

2024 ITP Market Economic Model (MEM) - Pass 2 Update

- **Action Required**

SPP staff posted the updated Pass 2 MEMs for stakeholders' review and for the purpose of approval. SPP staff seeks ESWG's approval of these models for use in the 2024 Constraint Assessment.

The posted runs are constrained with the SPP Book of Flowgates constraints. Please note that the Book of Flowgates includes SPP's 2022 top 10 flowgates (temporary and permanent) and the persistent operational needs according to 2024 ITP study scope, Section 4.

SPP is **not** requesting changes to economic model input data.

- **Entities Required to Provide Feedback**

All interested stakeholders; primarily, ESWG members

- **Due Date and Method of Submittal**

SPP will seek ESWG's approval of these models for use in the 2024 Constraint Assessment after this posting. Please provide any necessary feedback **as soon as possible** but no later than **Monday, October 23, 2023** via the [SPP Request Management System \(RMS\)](#), using the "Submit Information" **Request Template**, "Integrated Transmission Planning (ITP)" **Subtype 1**, and "Data Submission" **Subtype 2**.

- **Changes from Last Pass**

- Modeling Updates

- Added new Delivery Points and updated load forecast for BEPC and SPS
- Changed must-run designations
 - Exceptions
- Included Other Entities (Battery)-in SPP area for battery testing
- Incorporate updated line ratings from Evergy, WAPA, and Winter Weather Event
- Modified ownership data for Green Country Energy
- Refined SPP BOF ratings
 - Updated SPSNMTies interface ratings
- Revised 2023 ITP draft portfolio (pending)
 - Remove Alliance – Victory Hill 115 kV project

- Additional Items

- SPP is still investigating the PROMOD V engine energy storage enhancements and hybrid functions. We will update ESWG on our findings at a later date.

- **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 VGA engine. SPP ran simulations using PROMOD IV 11.5 software.

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

These files can be found on [GlobalScape](#) under: *ITP → ITP → NCD (CEII, RSD) → License_NDA_JointSPPMISO → 2024 ITP → 2024_ITP_MEM_Pass_2_Update.zip*

File Name	Description
2024_ITP_MEM_Detail_Document_Pass_2_Update.docx	Posted Material Overview
2024_ITP_MEM_Scenarios_Pass_2_Update	Published PROMOD Scenarios
2024_ITP_MEM_Run_Files_Pass_2_Update	PROMOD Run Files
2024_ITP_MEM_Database_Extracted_Pass_2_Update	PROMOD Scenarios in Excel
2024_ITP_MEM_Outputs_Pass_2_Update	Output Reports

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

These files can be found on [GlobalScape](#) under: *ITP → ITP → NCD (CEII, RSD) → HITACHI_NDA_JointSPPMISO → 2024 ITP → 2024_ITP_MEM_Pass_2_Update.zip*

File Name	Description
2024_ITP_MEM_Detail_Document_Pass_2_Update.docx	Posted Material Overview
2024_ITP_MEM_Database_Extracted_Pass_2_Update	PROMOD Scenarios in Excel
2024_ITP_MEM_Outputs_Pass_2_Update	Output Reports

For users who have signed NCD NDA:

These files can be found on [GlobalScape](#) under: *ITP → ITP → NCD (CEII, RSD) → NDA → 2024 ITP → 2024_ITP_MEM_Input_Powerflows_Pass_2_Update.zip*

File Name	Description
2024_ITP_MEM_Input_Powerflows_Pass_2_Update	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](#).