

2024 ITP Market Economic Model (MEM) - Pass 1 Update 2

- **Action Required**

SPP staff is seeking approval for the 2024 ITP Year 2 MEM for the 2024 ITP MEM Benchmarking milestone.

SPP is **not** requesting changes to the 2024 ITP Year 2 MEM input data. Any submitted changes will be received for consideration under Section 10.3 of the ITP Manual.

Please note that SPP plans to incorporate SPS's recently approved 10.3 updates during the MEM Benchmarking milestone.

- **Entities Required to Provide Feedback**

All interested stakeholders; primarily, ESWG members.

- **Due Date and Method of Submittal**

A motion for approval will be requested from the ESWG via email to begin the voting process on **Friday, July 7, 2023** to use the Year 2 MEM in the Benchmarking milestone.

- **Changes from Last Posting**

- Added ARP SO2 effluent
 - Missing from F21 simulated ready database
- Adjusted the following items:
 - Max Capacity
 - Battery Storage
 - Retirement Dates
 - Evergy
 - Annual Profiles
 - Fixed O&M
 - Variable O&M
- Included Empire and WAPA – Upper Great Plains 10.3 requests
 - SPP evaluated and approved as no impact changes
 - Will present at next TWG and ESWG meetings as informational only
- Increased solar capacity factor by 10%
 - Based on ITP Wind & Solar Capacity Factor Benchmarking presentation
 - August 2022 ESWG meeting
- Set load hourly shape adjustment to neutral bias
 - Based on 2024 ITP Electric Vehicles and Energy Demand presentation
 - February 2023 ESWG meeting

SPP will create the Year 2 MISO RDT implementation case for the MEM Benchmarking milestone.

- **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, HITACHI NDA, MISO-SPP Joint NDA, and license Hitachi 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_1_Update_2.zip*

File/Folder Name	Description
2024_ITP_MEM_Detail_Document_Pass_1_Update_2.docx	Posted Material Overview
2024_ITP_MEM_Scenario_Pass_1_Update_2	Published PROMOD scenario
2024_ITP_MEM_Run_Files_Pass_1_Update_2	PROMOD run files
2024_ITP_MEM_Outputs_Pass_1_Update_2	Output reports
2024_ITP_MEM_Database_Extracted_Pass_1_Update_2	Excel version of PROMOD scenario

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_1_Update_2.zip*

File/Folder Name	Description
2024_ITP_MEM_Detail_Document_Pass_1_Update_2.docx	Posted Material Overview
2024_ITP_MEM_Outputs_Pass_1_Update_2	Output reports
2024_ITP_MEM_Database_Extracted_Pass_1_Update_2	Excel version of PROMOD scenario

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_Powerflow_Pass_1_Update_2.zip*

File/Folder Name	Description
2024_ITP_MEM_Input_Powerflow_Pass_1_Update_2	Input powerflow 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](#).