

20-Year Assessment Market Economic Models (MEM)

- **Action Required**

SPP staff is requesting feedback on the **application** of the following economic modeling data inputs in the posted scenario:

- 2022 20-Year Assessment ITP Scope
- 20 Year Assessment Generator Data Review_20210428.xlsx
- 20 Year Assessment Economic Load Data Review_20210428.xlsx

SPP is **not** requesting changes to the following economic model input data and any changes submitted will be received for consideration under Section 10.3 of the ITP Manual.

SPP staff is requesting stakeholders provide feedback on the incorporation of approved data **by Thursday, September 22, 2022**. SPP staff will repost with any updates and a motion for approval will be requested from the ESWG upon Constraint Assessment posting and completion.

- **Entities Required to Provide Feedback**

All interested stakeholders; primarily, ESWG members

- **Due Date and Method of Submittal**

Please provide feedback on the incorporation of the economic modeling data **by Thursday, September 22, 2022** via the SPP Request Management System (**RMS**) using the “Submit Information” **Request Template**, “Integrated Transmission Planning (ITP)” **Subtype 1**, and “Data Submission” **Subtype 2**.

- **Notes**

- The model results are from an unconstrained simulation.
- Staff will continue to investigate and verify the LMP and APC results.
- Currently, there is dump energy in Manitoba Hydro and emergency energy within SPP across in the summer months. We will investigate and address these issues prior to Constraint Assessment and will post model updates for stakeholder review.
- To expedite the completion of the model build and constraint assessment, these models will not be approved until after the constraint assessment is completed.
- The database posted has both the Hybrid with a Y setting for charging from the resource and Hybrid with a N setting for charging from the resource. In both model sets, the Pump Dispatch Option set to M. We will make a determination of which model set operates most appropriately during the Constraint Assessment.

- **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 to receive the delivery number “Bmcd104358”.

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

These files can be found on GlobalScape under: *ITP → ITP → NCD (CEII, RSD) → License_NDA_JointSPPMISO → 2022 ITP → 2022 20-Year Assessment → 20YA_MEM_20220915.zip*

File/Folder Name	Description
20YA_MEM_Detail_Document_20220915.docx	Posted Material Overview
20YA_MEM_Scenario_20220915	Published PROMOD scenario
20YA_MEM_Run_Files_20220915	PROMOD run files
20YA_MEM_Outputs_20220915	Output reports
20YA_MEM_Database_Extracted_20220915	Excel version of PROMOD scenario

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

These files can be found on GlobalScape under: *ITP → ITP → NCD (CEII, RSD) → ABBNDA_NDA_JointSPPMISO → 2022 ITP → 2022 20-Year Assessment → 20YA_MEM_20220915.zip*

File/Folder Name	Description
20YA_MEM_Detail_Document_20220915.docx	Posted Material Overview
20YA_MEM_Outputs_20220915	Output reports
20YA_MEM_Database_Extracted_20220915	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 → 2022 20-Year Assessment → 20YA_MEM_20220915_Input_Powerflows.zip*

File/Folder Name	Description
20YA_MEM_Input_Powerflows_20220915	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 (Maps, Models, Cases, etc.) / SPPDocushare / Engineering / TCR Map / Models” **SubType1**. [GlobalScape](#) frequently asked questions can be found in [Knowledgebase Article 686](#). Other helpful links can be found on [SPP.org](#).