

## 2022 ITP – Updated Economic Generation Review – Pass 1 Trial 1

- **Action Required**

The Pass 1 Trial 1 Integrated Transmission Planning Assessment (ITP) Generation review workbook has been updated and posted to GlobalScape. In the previously posted Pass 1 Trial 1 generation review workbook, the Max Capacity (MW) field in the *Economic Model Gen* tab had incorrect formulas. The values populated were inadvertently being pulled into several other tabs. The formulas have been updated.

The curtailment tab was also adjusted for inflation and reflects the IRS published Production Tax Credit value and the federal corporate income tax rate.

SPP Staff is requesting review of generation parameters and load data utilized in the 2022 ITP market models and the 20-Year Assessment market models. Please submit all changes by **Friday, October 16, 2020** through the SPP Request Management System ([RMS](#)) using the ‘Integrated Transmission Planning (ITP)’ Quick Pick and ‘Data Submission’ Subtype.

This is the first of three (3) passes for review of the datasets. The projected generation and load review schedule is:

**Pass 1 – Trial 1:** October 2 – October 16, 2020

**Pass 1 – Trial 2:** November 20 – December 11, 2020

**Pass 2:** January 22 – February 5, 2021

**Reviewers should read the [Instructions] tabs in each workbook for background data, source information, and instructions on updating data.**

*Note: Powerflow information for Pass 1 – Trial 1 of the generation and load review originates from Pass 1 – Trial 1 of the 2022 ITP Base Reliability Powerflow models.*

- **Entities Required to Provide Feedback:**

All interested stakeholders, primarily TWG, ESWG, and MDWG stakeholders

- **Due Date and Method of Submittal**

Please provide updates by **Friday, October 16, 2020** through [RMS](#) under the “ITP-Data Submissions” Quick Pick.

- **Changes from Last Cycle**

- Economic Maximum Capacities will be surveyed in the Generation Review.
  - The data populated for economic maximum capacity originated from the ABB Simulation Ready Data Fall 2019 Reference Case, which is driven by ABB benchmarking efforts, statistical analysis and proprietary data review from actual market data, and CEMS data. The economic

maximum capacity represents the normal maximum operational capacity of a thermal unit. For transactions, the economic maximum capacity is used as an additional clipping value of the hourly shape.

- A Repowering field was added to the Economic Model Gen tab in the Generation Review.
  - If a unit has been repowered or plans to be repowered then indicate the year of which it will take place. SPP Planning staff will verify with SPP Generator Interconnection staff that the Interconnection Agreement has been updated.
- SPP has consolidated redundant tabs and columns, but the workbook contains the same data parameters.
- Ensure data is reviewed through year 2042, as this information will also be utilized for the 20-Year Assessment.

• **Material Disclaimer**

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

• **File location on [GlobalScape](#)**

For users who have signed an SPP non-competitive duty NDA, ABB NDA, and license ABB nodal simulation ready software:

These files can be found on [GlobalScape](#) under: *ITP → ITP → NCD (CEII, RSD) → License\_NDA → 2022 ITP*

File Name	Description
2022 ITP Economic Generation Data Review_20201009.xlsx	Generation Data – Pass 1 Trial 1
2022 ITP Economic Load Data Review_20201002.xlsx	Load Data – Pass 1 Trial 1

For users who have signed an SPP non-competitive duty NDA and ABB NDA:

These files can be found on [GlobalScape](#) under: *ITP → ITP → NCD (CEII, RSD) → ABBNDA\_NDA → 2022 ITP*

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2022 ITP Economic Load Data Review_20201002.xlsx	Load Data – Pass 1 Trial 1

**Note: The final 2021 ITP Generation and Load Reviews are located in similar locations on GlobalScape in the 2021 ITP folders (e.g. : ITP → ITP → NCD (CEII, RSD) → NDA → 2021 ITP).**

- **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 “GlobalScape Access Request” Quick Pick. Other helpful links can be found on [SPP.org](#).