Modeling Generation Senior Task Force Report
PJM Interconnection
Members Committee Webinar
February 20, 2018

In 2016, several PJM members formed the Combined Cycle Owners User Group to work in partnership with interested and similarly situated stakeholders to discuss the design and operation of combined cycle units and their integration into the market and real-time operations of PJM. Over the course of several meetings the user group evaluated the models different RTOs/ISOs are using to model combined cycle units. At the conclusion of the education phase of the user group's work, the group came to the conclusion that a more detailed model for combined cycle units might be equally applicable to other steam units. The focus of the Modeling Generation Senior Task Force (MGSTF) is to consider expanding the model that is used in PJM's systems to improve the ability to represent the various components of all generation.

At the February 16th meeting, stakeholders reviewed an education presentation, provided by Tom Hauske, regarding Parameters used in Combined Cycle Modeling. Joe Ciabattoni also revisited a presentation provided at the January meeting on Configuration Outage Reporting. Eric Endress provided members with a Settlement Transition Diagram, which led to a discussion on Unit Transitions. Todd Keech provided stakeholders with a summary of vendor discussions regarding the time line and implementation schedule of the Market Clearing Engine being developed for PJM systems. This development effort will include requirements for Combined Cycle Modeling including the options developed within the MGSTF solutions matrix. Stakeholders also participated in discussions with PJM on developing a single Solution Package, which will eventually be taken to the MRC for a vote.

The next meeting is scheduled for March 16th and will be devoted to further discussions on Parameters used in Combined Cycle Modeling and to develop the Solution Package.

Next Meetings: March 16, 2018, and April 20, 2018

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