



Modeling Generation Senior Task Force Report
PJM Interconnection
Members Committee Webinar
May 18, 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.

Stakeholders have met twice since the last report out at the MC Webinar in February. At the May 21 meeting of the MGSTF, Tom Hauske reviewed feedback provided by GE where GE compared PJM requested design components against the next Generation Electricity Markets (nGEM) Market Clearing Engine (MCE) product which includes the Enhance Combined Cycle model. As a part of this comparison, GE noted whether each design component was included in base scope, custom to PJM, or would cause significant performance issues. Following this discussion, Stan conducted a review of the design component and solution matrix.

At the June 06 meeting, Tom Hauske provided a brief update to the presentation he made on GE feedback on PJM requested design components at the previous meeting of the MGSTF. Troy Cawley reviewed examples of unit configuration feedback over ICCP and DNP to enhance stakeholder understanding of this process. Troy also reviewed an example of a transition matrix.

The next meeting is scheduled for July 10th and will be devoted to discussions on a timeline for implementation and a formal review of options to create a finalized solution package.

Next Meetings: July 10, 2018, and August 20, 2018

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