

Combined Cycles and Specialized Boilers Heat Input Guidelines

Problem / Opportunity Statement

Combined cycles with 2x1 configuration or higher and steam turbines with multiple boilers can reflect their heat input curves in cost-based offers using multiple methods. The methods can be: 1) heat input curve using entire operating history, regardless of configuration, 2) individual heat input curves per configuration and 3) pseudo heat input curve for combined cycles that choose to be modeled using the combined cycle pseudo model.

These methods are currently not specified in the Cost Development Guidelines (Manual 15). Manual 15 allows for the use of methods not specified in the Manual under Section 1.8. These methods are well known and commonly used. Including these methods in Manual 15 will be beneficial to all parties for transparency and better understanding of the modeling options available.

Issue Source

The PJM Independent Market Monitor.

Issue Content

The work is intended to include in Manual 15 the different methods available by combined cycles and specialized boilers to reflect their heat input.

Key Work Activities and Scope Content

1. Review the current methods combined cycles and specialized boilers can use to reflect their heat input.
2. Explore additional methods not currently used.
3. Document methods in Manual 15.

Expected Deliverables

Manual 15 Revisions.

Decision-Making Method

Tier 1, consensus (unanimity) on a single proposal.

Stakeholder Group Assignment

This item will be discussed at the Cost Development Subcommittee (CDS) with the expected Manual 15 forwarded to the Market Implementation Committee (MIC) for endorsement.

Expected Duration of Work Timeline

This item can be immediately discussed at the CDS. The expected timeline to complete this task is estimated to be 3 months.

Start Date	Priority Level	Timing	Meeting Frequency
	<input type="checkbox"/> High	<input checked="" type="checkbox"/> Immediate	<input type="checkbox"/> Weekly
	<input type="checkbox"/> Medium	<input type="checkbox"/> Near Term	<input checked="" type="checkbox"/> Monthly
	<input checked="" type="checkbox"/> Low	<input type="checkbox"/> Far Term	<input type="checkbox"/> Quarterly

Charter

(Check one Box)

<input type="checkbox"/>	This document will serve as the Charter for a new group created by its approval.
<input checked="" type="checkbox"/>	This work will be handled in an existing group with its own Charter (and applicable amendments).