



Reserve Certainty Sr. Task Force (RCSTF) Monthly Progress Report

07/17/2024

[Reserve Certainty and Resource Flexibility Incentives](#)

Issue Status

The Reserve Certainty and Resource Flexibility Incentives Issue Charge was approved by a simple majority vote with 2.95 in favor at the September 20, 2023 Markets and Reliability Committee meeting.

Target Completion

Target completion for this issue is expected to take place in October 2025.

Progress Update

The eleventh meeting of the RCSTF took place on June 12, 2024.

Emily Barrett, PJM, reviewed PJM's [Reserve Requirements proposal](#).

Danial Nazemi, PJM, reviewed [analysis](#) on the impacts of new secondary reserve requirements on Day-Ahead and Real-Time Market Clearing Prices.

Emily Barrett, PJM, reviewed draft manual language revisions to [Manual 11](#) and [Manual 13](#) to support the proposed reserve requirement changes.

Joel Romero Luna, IMM, provided [feedback](#) regarding PJM's 30 minute reserve requirement proposal.

Emily Barrett, PJM, reviewed PJM's [Reserve Deployment Proposal](#).

Emily Barrett, PJM, reviewed draft revisions to the [Operating Agreement](#), [Tariff](#) and [Manuals 11](#), [12](#) and [28](#) to support the reserve deployment proposal.

Amanda Egan, PJM, provided [information](#) on the package vote scheduled to take place after the June 12, 2024 RCSTF meeting.

Emily Barrett, PJM, reviewed a [comparison](#) of reserve practices across RTO's to support work on Key Work Activity 3: Reserve Offer Structure / Fuel Procurement Alignment.

The Reserve Requirements and Reserve Deployment proposals were [voted](#) on by the Task Force following the June 12, 2024 meeting. The Reserve Requirements package passed with 80% support. The Reserve Deployment package passed with 94% support.

The packages were presented at the June 27, 2024 MRC for a [first read](#).



The tenth meeting of the RCSTF took place on May 15, 2024.

Emily Barrett, PJM, provided a first read review of [PJM's Reserve Requirements proposal](#).

David Kimmel, PJM, reviewed [details](#) on the calculation of scheduling reserves.

Joey Tutino, PJM, provided a [historical lookback](#) at 30-minute reserve procurement and availability.

Emily Barrett reviewed draft manual language revisions to [Manual 11: Energy and Ancillary Services Market Operations](#) and [Manual 13: Emergency Operations](#).

Emily Barrett provided a first read of [PJM's Reserve Deployment Proposal](#).

Erkan Tuna, PJM, provided a [review](#) of the AGC implementation supporting the Reserve Deployment changes.

Emily Barrett reviewed draft language revisions to [Manual 12: Balancing Operations](#).

Lisa Morelli, PJM, reviewed [next steps](#) and an [annotated issue charge](#) with task force participants.

The ninth meeting of the RCSTF took place on April 17, 2024.

Kevin Hatch, PJM, provided [education](#) on how PJM dispatch would deploy less than 100% reserves during a synchronized reserve event.

Kevin Hatch and Emily Barrett, PJM, [presented](#) PJM's views on the operational need for reserve requirement changes and a proposed solution.

Emily Barrett, PJM, reviewed updates to the [PJM proposal](#) and subsequent updates to the RCSTF [matrix](#).

Joel Luna, Monitoring Analytics, provided a review of the [IMM Proposal](#) and subsequent updates to the matrix.

Lisa Morelli, PJM, led stakeholders in a discussion on further [solution package](#) development for the immediate-term Key Work Activities.

The eighth meeting of the RCSTF took place on March 13, 2024.

Joel Luna and Catherine Tyler, Monitoring Analytics, reviewed a [presentation](#) highlighting MA's perspective on key topics and preview a potential solution package for Key Work Activities 2, 3, and 4.

Emily Barrett, PJM, [presented](#) PJM's draft solution package for Key Work Activities 2, 3, and 4.

Emily Barrett, PJM, reviewed updates to [solution options](#) as incorporated in the RCTSF matrix.

Lisa Morelli, PJM, led stakeholders in a discussion to continue [package](#) development for the immediate-term Key Work Activities.



The seventh meeting of the RCSTF took place on February 14, 2024.

Michael Olaleye, PJM, will provided follow up [education](#) on synchronized reserve performance evaluation.

Dustin Grethen, MISO, provided [education](#) on MISO's efforts to understand risks to fuel assurance and to incentivize availability during times of scarcity or high uncertainty.

Emily Barrett, PJM, reviewed a [presentation](#) highlighting different solution options to foster discussion on potential solution packages for Key Work Activities 2, 3, and 4.

Lisa Morelli, PJM, led stakeholders in a discussion to continue [solution option development and begin package development](#) for the immediate-term Key Work Activities.

The sixth meeting of the RCSTF took place on January 17, 2024.

Emily Barrett, PJM, reviewed [ISO/RTO practices](#) for handling resource transition points in real-time dispatch.

Vijay Shah, PJM, provided [education](#) on data flow through real-time dispatch applications during spin events.

Catherine Tyler, Monitoring Analytics, provided [education](#) on outage and derate reporting.

Brian Fitzpatrick, PJM, provided a [review](#) of Winter Storm Elliott reserve and natural gas procurement observations, as well as applicable work of the Electric Gas Coordination Sr. Task Force.

Lisa Morelli, PJM, led stakeholders in a discussion to continue [design component development and solution option](#) development for immediate-term Key Work Activities.

The fifth meeting of the RCSTF took place on December 12, 2023.

Joel Luna, Monitoring Analytics, provided [education](#) on reserve clearing and ramping capability.

Emily Barrett, PJM, provided a [comparison](#) of reserve practices across RTO's.

Lisa Morelli, PJM, led a discussion with task force participants to gather [interests and design components](#) for Key Work Activities (KWA) 2, 3 and 4, including revisiting the Design Criteria from KWA 1 which was previously presented at the October 10 RCSTF meeting.

The fourth meeting of the RCSTF took place on November 27, 2023.

Vijay Shah, PJM, reviewed previous [Synchronous Reserve Development Task Force work](#) , PJM's Intelligent Reserve Deployment (IRD) FERC filing, and FERC's order on the IRD filing.

Michael Olaleye and Damon Fereshetian, PJM, provided [education](#) on the current offer structure and pricing outcomes for Reserves, implemented in October 2022 with Reserve Price Formation.



The [IMM education](#) on reserve clearing and ramping capability was deferred until the December 12, 2023 RCSTF meeting due to time constraints.

The discussion with task force participants to begin gathering [interests and design components](#) for Key Work Activities 2 and 4 (Reserve Resource Performance & Penalty Structure / Reserve Deployment) was deferred to the December 12, 2023 RCSTF meeting due to time constraints.

The third meeting of the RCSTF took place on October 26, 2023 with a focus on continued education.

David Kimmel, PJM, provided additional [metrics](#) on reserve event performance measurement.

Donnie Bielak, PJM, provided [education](#) on the status-quo process for synchronized and nonsynchronized reserve deployment, including technology, timing, and generators' use of communication tools.

Joel Luna, Monitoring Analytics, provided [education](#) on communications for reserves.

Catherine Tyler, Monitoring Analytics, provided [education](#) on spin event definitions, performance, and penalties.

Vijay Shah, PJM, was scheduled to review the [work](#) of the Synchronous Reserve Deployment Sr. Task Force, but due to time constraints this item was deferred until the November RCSTF meeting.

The second meeting of the RCSTF took place on October 13, 2023 with a focus on continued education.

David Kimmel, PJM, provided [education](#) on reserve event performance measurement and penalty rules.

Kevin Hatch, PJM, reviewed PJM's [perspective](#) on the operational importance of synchronized reserves.

Melissa Pulong, PJM, provided [information](#) on the synchronized reserve outreach efforts focused on understanding the drivers behind recent event performance level.

The [Reserve Certainty Sr. Task Force](#) held its first meeting on October 10, 2023.

Rebecca Carroll, PJM, reviewed the [Problem Statement](#) and approved [Issue Charge](#).

Lisa Morelli, PJM, reviewed a draft, high-level [work plan](#) with task force participants and solicited feedback from the group.

Rebecca Carroll reviewed an initial set of [design criteria](#) for Key Work Activity 1.



Brian Chmielewski and Michael Olaleye, PJM, provided [education](#) on current rules, requirements and responsibilities for each of the existing reserve products.