



Item 9: TAC Report

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2023 Technical Advisory Committee (TAC) Chair

Board of Directors Meeting

ERCOT Public

October 17, 2023

Overview

- **Purpose**

Summary of TAC Update and September TAC Highlights

- **Voting Items / Requests**

- NPRR1184, Update to Procedures for Managing Interest on Cash Collateral
- NPRR1186, Improvements Prior to the RTC+B Project for Better ESR State of Charge Awareness, Accounting, and Monitoring – URGENT
- SCR824, Increase File Size and Quantity Limits for RIOO Attachments

- **Key Takeaways**

- TAC recommended approval of 3 Revision Requests; 1 Revision Request had opposing votes

Summary of TAC Update

Revision Requests Recommended for Approval by TAC – Unopposed:

- NPRR1184, Update to Procedures for Managing Interest on Cash Collateral
- SCR824, Increase File Size and Quantity Limits for RIOO Attachments

Revision Requests Recommended for Approval by TAC – Non- Unanimous (Vote)

- NPRR1186, Improvements Prior to the RTC+B Project for Better ESR State of Charge Awareness, Accounting, and Monitoring – URGENT

September TAC Highlights

- Major Transmission Elements (MTE) List
- Annual TAC/TAC Subcommittee Structural and Procedural Review

NPRR1186, Improvements Prior to the RTC+B Project for Better ESR State of Charge Awareness, Accounting, and Monitoring – URGENT

Purpose (ERCOT)	This NPRR is the first of two NPRRs that ERCOT has prepared to improve the awareness, accounting, and monitoring of the State of Charge (SOC) for an ESR. This particular NPRR is for the interim period which is described as the time period before the RTC+B project goes live. The target go-live date for the RTC+B project is expected to be several years away and the language and changes in this first NPRR are aimed to strategically improve SOC awareness, accounting, and monitoring with minimal system changes so that the improvements can be in place while the RTC+B project is completed.
TAC Vote	On 9/26/23, TAC voted to recommend approval of NPRR1186 as recommended by TAC in the 8/22/23 TAC Report as amended by the 9/19/23 ERCOT comments. There was one opposing vote from the Independent Retail Electric Provider (IREP) (APG&E) Market Segment.
ERCOT Market Impact Statement	ERCOT Staff has reviewed NPRR1186 and believes the market impact for NPRR1186 provides a necessary, cost-effective, interim solution to improve the awareness, accounting, and monitoring of SOC for the growing number of ESRs on the system until the implementation of the RTC+B project.
Effective Date/Priority	Upon system implementation – Priority 2023; Rank 3595, for all sections except the grey-boxed paragraph (4) of Section 8.1, which will be effective no earlier than three months after system implementation of NPRR1186
ERCOT Impact	Between \$500K and \$700K; impacts to Market Operation Systems, Data Management & Analytic Systems, Energy Management Systems, Integration Systems, Grid Modeling Systems, Grid Decision Support Systems; ERCOT business processes will be updated;
Business Case Highlights	As of June 1, 2023 there were approximately 3,300 MW of batteries energized on the ERCOT System. Assuming all of the projects in the queue that have an “IA signed and Financial Security Posted” progress as indicated; the total is estimated to be 9,500 MW of batteries by October 2024. This NPRR strategically provides improvements on the awareness, accounting, and monitoring of SOC for ESRs while the RTC+B project is being implemented. The NPRR also provides information and guidelines to the QSEs representing the ESRs so that they can more accurately inform ERCOT of the capability of each ESR. The implementation of this NPRR will allow ERCOT to confidently evaluate the capability of these ESRs for the key hours in which the need for dispatchable generation is needed. Much of the work done to implement this NPRR is carried over to the RTC+B project.

September TAC Highlights

Major Transmission Elements (MTE) List. On 9/26/23, TAC approved the Major Transmission Elements (MTE) List as endorsed by ROS.

Annual TAC/TAC Subcommittee Structural and Procedural Review. TAC and its subcommittees are currently conducting the annual structural and procedural review by completing self-assessments. The meeting will be held on October 13, 2023 to discuss results. TAC will report its findings at the December R&M Committee meeting.