



## **Item 5: Report on Annual Technical Advisory Committee (TAC) and Subcommittee Structural/Procedural Review**

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2023 Technical Advisory Committee (TAC) Chair

Reliability and Markets Committee

ERCOT Public

December 18-19, 2023

# Overview

- **Purpose**

Summary of TAC/TAC Subcommittee Structural and Procedural Review

- **Key Takeaways**

- The current structure of TAC and subcommittees was deemed necessary and effective
- Of the Revision Requests approved to date, they have the following alignment with ERCOT Strategic Plan Objectives:
  - Optimize use of ERCOT, Inc.'s Resources – 7%
  - Enhance Operating Capabilities – 40%
  - Advance Competitive Solutions – 48%
  - Improve Information Exchange – 5%

# Summary of TAC Review – Annual Process

- In an effort to improve TAC's existing processes and organizational structure for the purpose of enhancing efficiency, effectiveness, and aligning its structure to meet goals and the ERCOT Board's objectives, TAC annually reviews its existing structure and procedures.
- TAC leadership hosted a meeting on October 13, 2023 to initiate the annual review and solicit input from stakeholders on the following items:
  - Alignment of TAC Goals and Approved Revision Requests with ERCOT Strategic Plan Objectives
  - Subcommittee/Working Group/Task Force Assessment
  - Meeting Efficiency
- The resulting recommendations were considered and endorsed at the October 24, 2023 TAC meeting.

## Alignment of TAC Goals with ERCOT Strategic Plan Objectives

Of the Revision Requests approved to date, they have the following alignment with ERCOT Strategic Plan Objectives:

- Optimize use of ERCOT, Inc.'s Resources – 7%
- Enhance Operating Capabilities – 40%
- Advance Competitive Solutions – 48%
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# Additional 2023 TAC Endorsements/Approvals

- Formed the Credit Finance Sub Group (CFSG)
- Endorse the ERCOT-proposed ORDC enhancement as a bridging solution
- Approved the suspension of the 2024 Business and Residential Annual Validation, to accommodate resource constraints and reduce costs
- Endorsed the CPS San Antonio South Reliability RPG Project, Option 5
- Reviewed and approved changes to the Other Binding Documents List
- Formed the Real-Time Co-optimization plus Batteries (RTC+B) Task Force
- Approved revisions to the Major Transmission Elements (MTE) List
- Endorsed the 2024 Ancillary Services Methodology on the commitment from ERCOT to bring the methodology back up for TAC review by April 30, 2024
- Endorsed the West Texas Synchronous Condenser RPG Project
- Endorsed the TNMP – Silverleaf and Cowpen 345/138-kV Stations RPG Project – Option 1

# Subcommittee/Working Group/Task Force Assessments

Subcommittees, Working Groups and Task Forces completed self-assessments to determine necessity and efficiency using the following criteria:

- **Review of Scope/Procedures**
  - Is the Scope still valid and is the subcommittee/working group/task force still performing these functions – are any revisions necessary?
  - Does the subcommittee/working group/task force have a similar scope with another subcommittee/working group/task force – if so, can the groups be consolidated?
- **Review Open Action Items list**
  - Is the subcommittee/working group/task force discussing open issues, ongoing issues, etc.
- **Subcommittee/Working Group/Task Force Meetings**
  - How often does the subcommittee/working group/task force meet and how long are their meetings?
  - Are meetings well attended?
  - What impediments exist to facilitating an effective and productive subcommittee/working group/task force meeting, including notice or posting requirements?
  - What changes should be made to improve meeting effectiveness?
- **Is the working group/task force aligned with the appropriate subcommittee?**
- **Is the subcommittee/working group/task force still necessary?**

# Conclusions

- The current structure of TAC and subcommittees was deemed necessary and effective.
- Subcommittee/Working Groups/Task Forces were encouraged to continue to review scopes and open action items.

# APPENDIX



# 2023 TAC Goals

1. Align TAC and Subcommittee Goals with the ERCOT Board of Director's strategic vision to work with ERCOT Staff to achieve the Board's vision for ERCOT.
2. Develop and implement market design changes and other reliability enhancements that are promulgated by the PUCT in the furtherance of statutory changes originating from the latest session of the Texas Legislature.
3. Maintain rules that support ERCOT system reliability, promote market solutions, support open access to the ERCOT markets and transmission network, and are consistent with PURA, PUCT Substantive Rules, and NERC Reliability Standards.
4. Pursue clarifications to market rules and guides, which enhance the transparency of resource registration and requirements and clarify the entry process for new resources, with the explicit understanding that no changes will be made that discriminately affects the rights and obligations of resources currently participating in the wholesale and ancillary services markets.
5. Improve the monitoring of resource adequacy by ensuring that studies and reports provide a representative view of evolving risks to resource adequacy as a fundamental element of system reliability and resiliency. Recommend market improvements to support resource adequacy, including the recognition of limitations due to GTCs and the reactive needs of the system.
6. Collaborate with ERCOT Staff on current trends in fuel prices and installed resource costs through market changes.
7. Develop and implement needed market design corrections and improvements, which are cost effective.
8. Pursue policies and market rules that encourage the appropriate implementation of load participation.
9. Pursue policies and market rules that encourage the appropriate integration of emerging technologies.
10. Implement Retail Market improvements and requirements.
11. Facilitate market improvements necessary to leverage the capabilities of Advanced Metering Systems (AMS) in the retail market and improve the integrity and availability of AMS data to Market Participants.
12. Improve settlement processes to facilitate changes in the ERCOT market design.
13. Collaborate with ERCOT Staff on the review of ancillary service needs and implement changes as necessary.
14. Work with ERCOT Staff to develop Protocols and market improvements that support increased data transparency and data availability to the market.
15. Work with ERCOT Staff to ensure appropriate credit and collateral rules exist or are created to facilitate market participation. Review available means to eliminate or substantially mitigate default uplift.
16. Develop analysis and implement reporting on the measures of the costs and benefits of changes in reliability requirements and actions, to include but not be limited to RUC impacts, changes in Ancillary Service quantities, and actions during emergency conditions.
17. Review integration and optimization of limited-duration Resources in the energy and Ancillary Service markets.
18. Review market design changes and reliability enhancements implemented following Winter Storm Uri and the subsequent legislative and regulatory requirements to ensure consistency of holistic market design. At each meeting of the TAC in 2023, review and discuss one adopted element, including items such as FFS, NPRR1105, NPRR1108, ERS, ORDC, etc.
19. Support ERCOT in the identification, development, and implementation of bridging solutions in advance of longer term market design modifications.

# Alignment of TAC Goals and Revision Requests with ERCOT Strategic Plan Objectives

Request Type	Goal 1	Goal 2	Goal 3	Goal 4	Goal 5	Goal 6	Goal 7	Goal 8	Goal 9	Goal 10	Goal 11	Goal 12	Goal 13	Goal 14	Goal 15	Goal 16	Goal 17	Goal 18	Goal 19
NOGRR		2	11	2	5		7	1	1				1				1		
NPRR	4	8	13	5	14	3	44	1	4	4	1	8	7	2	4	1	4	1	
PGRR		1	6	2	7		8	1	1					1				1	
RMGRR		1	1							4									
SCR							3							3					
LPGRR		1	1				2			2	1								
VCMRR		1	1			2													
COPMGRR		1	1																
RRGRR		2	3	2	3		3	1	2				1				1		
SMOGR		1	1																
OBDRR	1	4	1		1		6			1		3	2						
<b>Grand Total</b>	<b>5</b>	<b>22</b>	<b>39</b>	<b>11</b>	<b>30</b>	<b>5</b>	<b>73</b>	<b>4</b>	<b>8</b>	<b>11</b>	<b>2</b>	<b>11</b>	<b>11</b>	<b>6</b>	<b>4</b>	<b>1</b>	<b>6</b>	<b>2</b>	

- Optimize use of ERCOT, Inc.'s Resources
- Advance Competitive Solutions

- Enhance Operating Capabilities
- Improve Information Exchange



# Approved Revision Requests Mapped to ERCOT Strategic Plan Objectives

Revision Requests approved to date and alignment with ERCOT Strategic Plan Objectives:

- Optimize use of ERCOT, Inc.'s Resources – 7%
- Enhance Operating Capabilities - 40%
- Advance Competitive Solutions – 48%
- Improve Information Exchange – 5%

Request Type	Strategic Pillar			
	Optimize use of ERCOT's resources	Enhance Operating Capabilities	Advance Competitive Solutions	Improve Information Exchange
NOGRR	0	4	2	0
NPRR	4	16	23	1
PGRR	0	7	5	0
RMGRR	0	0	1	0
SCR	0	0	2	3
LPGRR	0	0	0	0
VCMRR	0	0	0	0
COPMGRR	0	0	0	0
RRGRR	0	1	1	0
OBDRR	1	3	3	0
SMOGRR	0	0	0	0
<b>Totals</b>	<b>5</b>	<b>31</b>	<b>37</b>	<b>4</b>