



## **Item 11.2: Report on Annual TAC and Subcommittee Structural/Procedural Review**

*Clif Lange*

2021 Technical Advisory Committee (TAC) Chair

Special Board of Directors Meeting

ERCOT Public

October 22, 2021

# 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 September 17, 2021 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
  - Frequency/Efficiency of Meetings
  - Future Revisions to TAC Goals
- The resulting recommendations were considered at the September 29, 2021 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 – 5%
- Enhance Operating Capabilities – 32%
- Advance Competitive Solutions – 60%
- Improve Information Exchange – 3%

# Additional 2021 TAC Endorsements/Approvals

- Endorsed Southern Cross Directive #8, Voltage Support Service
- Endorsed Southern Cross Transmission Directive #9, Determination Regarding Modifications to Ancillary Services Whitepaper
- Annual Review of Other Binding Document List
- Approved revisions to the Major Transmission Elements (MTE) List
- Approved changes to TAC Procedures
- Recommended Approval of the NRG Application for Permanent Site-Specific Exemption from Compliance with ERCOT Nodal Metering Protocols, Section 10.3.2.3(6)
- Endorsed the Port Lavaca Area Improvement RPG Project
- Annual TAC/TAC Subcommittee Procedural and Structural Review
- Recommended that the boundary threshold be increased to 7.5% for all Weather Zones

# 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 – Is the Scope still valid and is the subcommittee/working group/task force still performing these functions; Does the scope need to be revised?
- Review Open Action Items list – Is the subcommittee/working group/task force discussing open issues, ongoing issues, etc.
- How often does the subcommittee/working group/task force meet and how long are their meetings? Are meetings well attended?
- 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?
- If applicable, review subcommittee/working group/task force procedures. (voting, process, etc.)
- 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, open action items.
- The Real-Time Cooptimization Task force (RTCTF) and Battery Energy Storage Task Force (BESTF) fulfilled their scope of work and were retired in 2021.

# APPENDIX



# 2021 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. Maintain rules that support ERCOT system reliability, promote market solutions, and are consistent with PURA, PUC, and NERC Reliability Standards.
3. 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.
4. 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.
5. Collaborate with ERCOT Staff on current trends in fuel prices and installed resource costs through market changes.
6. Develop and implement needed market design corrections and improvements, which are cost effective and compatible with the Passport project.
7. Pursue policies and market rules that encourage the appropriate implementation of load participation.
8. Pursue policies and market rules that encourage the appropriate implementation of emerging technologies.
9. Implement Retail Market improvements and requirements.
10. 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.
11. Improve settlement processes to facilitate changes in the ERCOT market design.
12. Collaborate with ERCOT Staff on the review of ancillary service needs and implement changes as necessary.
13. Maintain market rules that support open access to the ERCOT markets and transmission network.
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 a Passport Implementation Working Group or Task Force to address supporting details and market participant needs related to Passport development and implementation (Real-Time Co-optimization, ECRS, BES Single Model, DGR, and EMS upgrade). Assign identified Passport policy and analysis items to the appropriate Subcommittee.
17. Develop, maintain, and facilitate changes and prioritization to the Emergency Conditions Issues List. Work with ERCOT, Stakeholders, Subcommittees and Working Groups to ensure that the items on the Emergency Conditions Issues List are addressed in a timely manner and that recommendations and Revision Requests that arise from those discussions are developed and provided to the Board.





# 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
NOGRR	1	7				5	2										3
NPRR	1	20	1	6	1	30	3	1		1		3	2	3	6		17
PGRR		4		1		3							2				
RMGRR						2			5								
SCR						2			1					1	1		
LPGRR						1			1	1							
VCMRR		1															
RRGRR						1											
SMOGR	1	1				1		1									
OBDRR						7	2					3					4
<b>Total</b>	<b>3</b>	<b>33</b>	<b>1</b>	<b>7</b>	<b>1</b>	<b>52</b>	<b>7</b>	<b>2</b>	<b>7</b>	<b>2</b>		<b>6</b>	<b>4</b>	<b>4</b>	<b>7</b>		<b>24</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 – 5%
- Enhance Operating Capabilities - 32%
- Advance Competitive Solutions – 60%
- Improve Information Exchange – 3%

Request Type	Strategic Pillar			
	Optimize use of ERCOT's resources	Enhance Operating Capabilities	Advance Competitive Solutions	Improve Information Exchange
NOGRR	1	2	2	0
NPRR	1	15	24	2
PGRR	0	1	3	0
RMGRR	0	0	2	0
SCR	0	0	1	0
LPGRR	0	0	1	0
VCMRR	0	0	0	0
COPMGRR	0	0	0	0
RRGRR	0	0	1	0
OBDRR	0	2	4	0
SMOGRR	1	1	1	0
<b>Totals</b>	<b>3</b>	<b>21</b>	<b>39</b>	<b>2</b>

