



Item 6: Report on Annual Technical Advisory Committee and Subcommittee Structural/Procedural Review

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2017 Technical Advisory Committee (TAC) Vice
Chair

Human Resources and Governance Committee
Meeting

ERCOT Public
October 16, 2017

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 July 27, 2017 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 Pillars
 - TAC Strategic Initiatives
 - Working Group and Task Force Review
- The resulting recommendations were considered and approved at the September 28, 2017 TAC meeting.

Alignment of TAC Goals and Approved Revision Requests with ERCOT Strategic Pillars

1. Align TAC and Subcommittee Goals with the ERCOT Board of Directors' 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 affect the rights and obligations of resources currently participating in the wholesale and ancillary services markets.
4. Monitor resource adequacy and make improvements as necessary.
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.
7. Pursue the appropriate implementation of load participation.
8. Pursue 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 changes.



Alignment of TAC Goals and Approved Revision Requests with ERCOT Strategic Pillars

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
NOGRR		1				1									
NPRR		4		1		15					3		2	5	2
PGRR		4		1		3							1	1	
RMGRR									2						
LPGRR						1									
COPMGRR															
RRGRR															
SMOGRR															
Grand Total		9		2		20			2		3		3	6	2

- Committee Strategic Alignment
- Operational Reliability
- Flexible Market Design
- Data Transparency and Access



Approved Revision Requests Mapped to ERCOT Strategic Pillars

Revision Requests approved to date and alignment with ERCOT Strategic Pillars:

- **Committee Strategic Alignment** – 0%
- **Operational Reliability** – 26%
- **Flexible Market Design** – 57%
- **Data Transparency and Access** – 17%

Request Type	Strategic Pillar			
	Committee Strategic Alignment	Operational Reliability	Flexible Market Design	Data Transparency and Access
NOGRR	0	1	1	0
NPRR	0	5	17	5
PGRR	0	5	3	1
RMGRR	0	0	2	0
SCR	0	0	0	1
LPGRR	0	0	1	0
VCMRR	0	0	0	0
COPMGRR	0	0	0	0
RRGRR	0	0	0	0
SMOGRR	0	0	0	0
Totals	0	11	24	7



Additional 2017 TAC Endorsements/Approvals

- **Endorsed Other Binding Document - Setting the Shadow Price Caps and Power Balance Penalties in Security Constrained Economic Dispatch**
- **Annual Review of Other Binding Document List**
- **Endorsed the Multi-Interval Real-Time Market Feasibility Study**
- **Approved CRR Activity Calendar Updates**
- **Endorsed Option 2 of Far West Texas RPG Project**
- **Annual TAC/TAC Subcommittee Procedural and Structural Review**
- **Approved the High Impact Transmission Elements List**
- **Approved the methodology for “Generating and Maintaining the Load Distribution Factor Library”**
- **Approved the Boundary Threshold for ERCOT Load Review**

TAC Strategic Initiatives

- Load participation in price formation – WMS/RMS
- Outage Coordination Improvements – ROS
- Switchable Generation – WMS
- Distributed Energy Resources – RMS/ROS/WMS
- Real-Time Co-optimization – WMS
- Scope of Smart Meter Texas – RMS
- DC Tie Considerations- ROS/WMS
- Review of Planning Processes – ROS
- Resource Definitions - PRS
- Process for Integrating or Transitioning Load in ERCOT - RMS/WMS
- Market Continuity- RMS/WMS
- Improve Utilization of the Stakeholder Process - PRS



Other Items

- The current structure of TAC and subcommittees was deemed necessary and effective.
- Working groups and task forces were reviewed to determine necessity.
- Meeting frequency and efficiency were reviewed. Subcommittee/Working Groups/Task Forces were encouraged to continue to review meeting agendas and determine necessity for monthly meetings; as well as consolidate multiple meetings onto one day if possible.