

ERCOT TECHNICAL ADVISORY COMMITTEE (TAC) MEETING – WEBEX ONLY
June 24, 2020 / 9:30 a.m. – 12:30 p.m.

<http://ercot.webex.com>

Meeting Number: 126 616 2564

Meeting Password: TAC

Audio Dial-In: 1-877-668-4493

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| 1. | Antitrust Admonition | B. Helton | 9:30 a.m. |
| 2. | Consent Agenda (Vote) | | 9:35 a.m. |
- January 29, 2020 TAC Meeting Minutes
 - Unopposed Revision Requests Recommended for Approval
 - NPRR903, Day-Ahead Market Timing Deviations
 - NPRR973, Add Definitions for Generator Step-Up and Main Power Transformer
 - NPRR983, Delete Remaining Grey-Boxed Language Associated with NPRR257, Synchronization with Nodal Operating Guide Section 9, Monitoring Programs and Changes to Posting Requirements of Documents Considered CEII
 - NPRR990, Relocation of Combined Cycle Train to Resource Attribute
 - NPRR992, Updated Day-Ahead Liability for NPRR863, Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve
 - NPRR993, Grey Box Resolution re NPRR902 and NPRR928
 - NOGRR196, Related to NPRR973, Add Definitions for Generator Step-Up and Main Power Transformer
 - NOGRR200, Delete Remaining Grey-Boxed Language Associated with NOGRR025, Monitoring Programs for QSEs, TSPs, and ERCOT
 - NOGRR202, Align Nodal Operating Guide with the Posting Timeline in Other Binding Document Procedure for Calculating Responsive Reserve (RRS) Limits for Individual Resources
 - NOGRR205, Clarification to Grey-boxed Language in Section 4.8.1
 - PGRR074, Related to NPRR973, Add Definitions for Generator Step-Up and Main Power Transformer
 - PGRR078, Market Data Transparency Update for Planning Postings
 - PGRR080, Updated Responsibilities for Performing GMD Vulnerability Assessments
 - RRGR022, Related to NPRR973, Add Definitions for Generator Step-Up and Main Power Transformer
 - SCR810, EMS System Change to Count DC Ties toward the 2% Constraint Activation Criterion
 - VCMRR027, Related to NPRR986, BESTF-2 Energy Storage Resource Energy Offer Curves, Pricing, Dispatch, and Mitigation
 - Revision Requests to be Tabled

<ul style="list-style-type: none"> ○ OBDRR018, Related to NPRR1003, Elimination of References to Resource Asset Registration Form – Procedure for Identifying Resource Nodes ○ OBDRR019, Related to NPRR1003, Elimination of References to Resource Asset Registration Form – Requirements for Aggregate Load Resource Participation in the ERCOT Markets ○ OBDRR020, RTC – Methodology for Setting Maximum Shadow Prices for Network and Power Balance Constraints ○ VCMRR029, Related to NPRR1003, Elimination of References to Resource Asset Registration Form • Approval of Request for Withdrawal <ul style="list-style-type: none"> ○ SCR808, Congestion Revenue Right Time Of Use Transaction Limits in Long-Term Auction Sequence Auctions • 2020 PRS Goals • 2020 RMS Goals 			
3.	2020 TAC Goals and Strategic Initiatives (Vote)	B. Helton	9:45 a.m.
4.	Other Binding Document Revision Requests <ul style="list-style-type: none"> • OBDRR021, Correction to Calculation in Procedure for Calculating Responsive Reserve (RRS) Limits for Individual Resources (Vote) 		10:00 a.m.
5.	Battery Energy Storage Task Force (BESTF) Update <ul style="list-style-type: none"> • Key Topic Concept (KTC) 15-2 Energy Storage Resources Market Suspension and Market Restart Settlement (Vote) 	K. Ragsdale	10:10 a.m.
6.	PRS Report	M. Henson	10:25 a.m.
7.	ROS Report	K. Bunch	10:40 a.m.
8.	WMS Report	D. Kee	10:55 a.m.
9.	RMS Report	E. Blakey	11:10 a.m.
10.	Real-Time Cooptimization Task Force (RTCTF) Update	M. Mereness	11:25 a.m.
11.	ERCOT Reports <ul style="list-style-type: none"> • CMM Software Issue • NPRR902 Implementation Update 	M. Ruane J. Levine	11:40 a.m.
12.	Other Business <ul style="list-style-type: none"> • Met Center: Lease Expiration and Replacement • Open Action Items and Summer Assessment Items Review 	B. Day B. Helton	12:00 p.m.
	Adjourn		12:30 p.m.

<u>Open Action Items from Previous Meeting(s)</u>	<u>Responsible Party</u>
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<ul style="list-style-type: none"> 1/26/17 – Resource Definition Task Force (RTF) – Accomplish objectives as stated in the RTF Scope 	PRS/RTF
<ul style="list-style-type: none"> 3/23/17 – Transmission Loss Factors – inclusion of Transmission Losses in Real-Time Settlement and in transmission planning criteria 	WMS/ROS
<ul style="list-style-type: none"> 11/30/17 – Review submission of TDSP read meter data for Loads with Interval Data Recorder (IDR) Meters and Non-Modeled Distributed Generators with Interval Data Recorders prior to Initial settlement of an Operating Day (Settlement – WMS) 	WMS
<ul style="list-style-type: none"> 5/24/18 – ERCOT to report on DC Tie curtailments under NPRR818 	WMS/ERCOT
<ul style="list-style-type: none"> 1/30/19 – Address battery energy storage integration issues 	TAC/BESTF
<ul style="list-style-type: none"> 3/27/19 – Real-Time Co-optimization Task Force (RTCTF) – Accomplish objectives as stated in the RTCTF Charter 	TAC/RTCTF
<ul style="list-style-type: none"> 5/22/19 – Review DC Tie Treatment in Relation to Load (i.e. being treated as firm Load) 	WMS
<ul style="list-style-type: none"> 5/22/19 – Methodology used to determine Peaker Net Margin 	WMS
<ul style="list-style-type: none"> 5/22/19 – Review of Protocols in relation to use of “Emergency Condition” 	WMS/ROS

<u>Summer Assessment Open Action Items (Assigned 11/20/19)</u>	<u>Responsible Party</u>
<ul style="list-style-type: none"> Switchable Generation Resources (SWGRs): <ul style="list-style-type: none"> Make sure settlement, operator interaction and offers align with the intent of the Protocols and intended market design. If necessary, propose changes to the Protocols Exelon Items 	ROS/WMS
<ul style="list-style-type: none"> Emergency Response Service (ERS): <ul style="list-style-type: none"> Reliability deployment price adder ramp. Crossover between procurement time periods and calculation of the adder. Self-deployment of ERS. Communicating ERS Deployment 	ROS/WMS
<ul style="list-style-type: none"> Credit/Collateral for QSE representing Resource only. <ul style="list-style-type: none"> The potential default of a QSE representing a Resource instead of a trader only or Customer Load has raised some potential gaps/policy considerations for improvement. (e.g. should a generator be taken out of markets during tight conditions?) 	CWG/MCWG
<ul style="list-style-type: none"> Revert to previous usage of Operating Condition Notices (OCNs) for projected reserve capacity shortage being issued when there is a projected shortage of available capacity, rather than committed capacity, for a future hour. <ul style="list-style-type: none"> An NPRR is not needed, although this change is addressed in NPRR974, as endorsed by PRS. 	ROS/WMS
<ul style="list-style-type: none"> Continue improvement on gas pipeline/gas generator coordination. <ul style="list-style-type: none"> Draft NPRR in development to document good faith coordination for Summer preparedness. 	GEWG
<ul style="list-style-type: none"> Evaluate current TCEQ enforcement discretion process and look for improvements with managing potential emission limitation issues. 	WMS
<ul style="list-style-type: none"> Process for Summer demand response study. <ul style="list-style-type: none"> Continue work with stakeholders to get the best available information to the PUCT in a more timely manner as part of the Summer assessment. Currently the timing of data limits the October analysis to an approximation based on the preceding year. 	RMS/ROS/WMS
<ul style="list-style-type: none"> Non-Frequency Responsive Capacity (NFRS) versus Physical Responsive Capability (PRC) reserves when Gen RRS is released. 	ROS

○ Accessing capacity by system-value has had some challenges relative to the current market design.	
• Review of Resource Adequacy forecasts and development of a Net Load forecast.	WMS