



Item 7: TAC Report

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2019 Technical Advisory Committee (TAC) Chair

Board of Directors Meeting

ERCOT Public

April 9, 2019

Summary of TAC Update

Revision Requests Recommended for Approval by TAC – Unopposed:

- NPRR891, Removal of NOIE Capacity Reporting Threshold for the Unregistered Distributed Generation Report
- NPRR900, Clean-up Items Applicable to the State of Texas REC Trading Program
- NPRR906, Clarifying the Decision Making Entity Process
- NPRR908, Revisions to Mass Transition Processes
- NPRR912, Settlement of Switchable Generation Resources (SWGRs) Instructed to Switch to ERCOT
- NPRR914, Addition of Controllable Load Resources to 60-Day Reports
- NPRR916, Mitigated Offer Floor Revisions
- NPRR920, Change to Ramp Rate Calculation in Resource Limit Calculator
- NPRR922, Modifications to DC Tie Import Forecast Method
- NPRR925, Increasing Minimum Quantity for PTP Obligation Bids - URGENT
- RMGRR159, Related to NPRR908, Revisions to Mass Transition Processes
- SCR798, PTP Obligation Bid ID Limit

Summary of TAC Update

Revision Request Recommended for Approval by TAC – With Opposing Votes (Vote):

- NPRR909, Address Unavailability Gap for ERS and Other Minor Clarifications

March TAC Highlights

- 2019 TAC Goals and Strategic Initiatives
- 2019 Subcommittee Goals
- Confirmation of RMS Leadership
- Real-Time Co-optimization Task Force (RTCTF)
- ERCOT Nodal ICCP Communication Handbook
- Southern Cross Directive #5: Determination of Planning Model Assumptions and Considerations
- March 5, 2019 Cold Weather Event

Guide Revisions Approved by TAC

- RMGRR158, Revisions to Emergency Operating Procedures for Extended Unplanned System Outages
- RRGRR020, Clarify Planning Model Requirements



Revision Request with Opposing Votes (Vote)

NPRR909, Address Unavailability Gap for ERS and Other Minor Clarifications

Purpose (ERCOT)	This NPRR resolves a gap in the Protocols that did not address scheduled unavailability of an Emergency Response Service (ERS) Resource that was either not timely provided (a least 3 calendar days) or properly noticed unavailability above the allowable 2% threshold, along with other clarifications.
TAC Vote	On 3/27/19, TAC voted to recommended approval of NPRR909 as recommended by PRS in the 2/14/19 PRS Report. There was one opposing vote from the Independent Power Marketer (IPM) (Morgan Stanley) Market Segment.
ERCOT Opinion	ERCOT supports approval of NPRR909.
Effective Date/Priority	Upon system implementation.
ERCOT Impact	Less than \$5k (O&M); impacts to BI & Data Analytics; ERCOT business processes will be updated.
Business Case Highlights	Following Hurricane Harvey, ERCOT identified a gap in the Protocols that did not address scheduled unavailability of an ERS Resource that was either not timely provided (a least 3 calendar days) or properly noticed unavailability above the allowable 2% threshold. This NPRR resolves both of these issues as well as other minor edits.

March TAC Highlights

March TAC Highlights

TAC Goals and Strategic Initiatives. On 3/27/19, TAC unanimously approved the 2019 TAC Goals and Strategic Initiatives.

2019 TAC Goals:

- 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.
- Maintain rules that support ERCOT system reliability, promote market solutions, and are consistent with PURA, PUC, and NERC Reliability Standards.
- 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.
- Monitor resource adequacy and make improvements as necessary.
- Collaborate with ERCOT Staff on current trends in fuel prices and installed resource costs through market changes.
- Develop and implement needed market design corrections and improvements which are cost effective.
- Pursue the appropriate implementation of load participation.

March TAC Highlights

2019 TAC Goals (continued):

- Pursue the appropriate implementation of emerging technologies.
- Implement Retail Market improvements and requirements.
- 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.
- Improve settlement processes to facilitate changes in the ERCOT market design.
- Collaborate with ERCOT Staff on the review of ancillary service needs and implement changes as necessary.
- Maintain market rules that support open access to the ERCOT markets and transmission network.
- Work with ERCOT Staff to develop Protocols and market improvements that support increased data transparency and data availability to the market.
- Work with ERCOT Staff to ensure appropriate credit and collateral rules exist or are created to facilitate market changes.
- Establish a Task Force to develop market rules for the implementation of Real-Time Co-optimization (RTC).
- Review and take actions necessary stemming from the March 5, 2019 OCN event.
- Review ERCOT market, identify barriers to entry and integration of energy storage.



March TAC Highlights

2019 TAC Strategic Initiatives

- Load participation in price formation – WMS/RMS
- Switchable Generation – WMS
- Distributed Energy Resources – RMS/ROS/WMS
- Real-Time Co-optimization – TAC
- 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
- Energy Storage – TAC
- March 5, 2019 OCN event – TAC

March TAC Highlights

Subcommittee Goals. On 3/27/19, TAC unanimously voted to approve the 2019 Subcommittee Goals for PRS, WMS, ROS and RMS.

Confirmation of 2019 RMS Leadership. On 3/27/19, TAC unanimously voted to confirm the 2019 RMS Leadership.

Chair: Jim Lee, AEP
Vice Chair: Eric Blakey, Just Energy

Real-Time Co-optimization Task Force (RTCTF). On 3/27/19, the RTCTF was formed. TAC unanimously voted to approve the RTCTF Charter and elect the following RTCTF Leadership:

Chair: Matt Mereness, ERCOT
Vice Chair: Bryan Sams, Lone Star Transmission

ERCOT Nodal ICCP Communication Handbook. On 3/27/19, TAC unanimously voted to approve the ERCOT Nodal ICCP Communication Handbook as recommended by ROS.

March TAC Highlights

Southern Cross Directive #5: Determination of Planning Model Assumptions and Considerations. On 3/27/19, TAC unanimously voted to endorse Southern Cross Directive #5 as revised by TAC.

March 5, 2019 Cold Weather Event. On 3/27/19, ERCOT provided a summary of the March 5, 2019 Cold Weather Event and TAC discussed surrounding issues. A subgroup has been formed to further address issues such as Resource Outage practices, communication processes, governing Protocol language, etc.

Notice of Guide Revisions Approved by TAC

RMGRR158, Revisions to Emergency Operating Procedures for Extended Unplanned System Outages. This Retail Market Guide Revision Request (RMGRR) codifies Competitive Retailer (CR) responsibilities during an extended unplanned system outage.

RRGRR020, Clarify Planning Model Requirements. This Resource Registration Glossary Revision Request (RRGRR) corrects certain submittal requirement fields inadvertently left blank during the implementation of RRGRR007, Adding Solar Resource Registration Inputs, by replicating the requirements from the Full Interconnect Study (FIS) column to the Planning Model column for the affected rows. This RRGRR does not add any new data requirements to the Resource Registration Glossary.