Item 7: TAC Report

Bob Helton
2019 Technical Advisory Committee (TAC) Chair

Board of Directors Meeting

ERCOT Public
August 13, 2019

Summary of TAC Update

Revision Requests Recommended for Approval by TAC – Unopposed:

- NPRR823, Amend the Definition of an Affiliate
- NPRR904, Revisions to Real-Time On-Line Reliability Deployment Price Adder for ERCOT-Directed Actions Related to DC Ties and to Correct Design Flaws
- NPRR931, As Built Hub Average Calculation
- NPRR932, Addition of Load to Existing Load Zone
- NPRR935, Post All Wind and Solar Forecasts
- NPRR942, Clarification of Revised Transaction Limit Posting
- NPRR943, Holiday Schedule Update
- NPRR944, As Built Day-Ahead Market Energy Bid Curve Submission Validation
- NPRR949, January 1, 2023 Changes to EPS Meter Communications Path
- NOGRR187, Related to NPRR863, Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve
- OBDRR009, ORDC OBD Revisions for ERCOT-Directed Actions Related to DC Ties
- SCR801, 867_03 Final(s) Global Process ID Correction Request for IDR ESI ID(s) Posted to the 867 Activity Report
- SCR802, Enhance Communications of System Inertia

Summary of TAC Update

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

- NPRR917, Nodal Pricing for Settlement Only Distribution Generators (SODGs) and Settlement Only Transmission Generators (SOTGs)

July TAC Highlights

- Election of TAC Vice-Chair
- Real-Time Co-optimization Task Force (RTCTF) Key Principles
- Discussions on Outages related to CREZ lines

Revision Requests with Opposing Votes (Vote)

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NPRR917, Nodal Pricing for Settlement Only Distribution Generators (SODGs) and Settlement Only Transmission Generators (SOTGs)

Purpose (ERCOT)	This NPRR implements nodal energy pricing, instead of the current Load Zone energy pricing, for SODGs and SOTGs. For an SODG, the energy price used as the basis for the 15-minute Real-Time price calculation is the time-weighted price at the Electrical Bus associated with the mapped Load of the SODG in the Network Operations Model. For an SOTG, the energy price used as the basis for the 15-minute Real-Time price calculation is the time-weighted price at the Electrical Bus as determined by ERCOT in review of the meter location of the SOTG in the Network Operations Model. This NPRR also allows existing SODGs and SOTGs to apply to ERCOT to continue to receive Load Zone energy pricing until such time as they proactively opt in for nodal pricing, or January 1, 2030, whichever is earlier.
TAC Vote	On 7/24/19, TAC voted via roll call vote to recommend approval of NPRR917 as recommended by PRS in the 5/9/19 PRS Report as amended by the 7/17/19 LCRA comments as revised by TAC. There were five opposing votes from the Cooperative, Independent Generator (2), and IPM (2); one abstention from IREP.
ERCOT Opinion	ERCOT supports approval of NPRR917.
Effective Date/Priority	Upon system implementation – priority 2019; rank 2700
ERCOT Impact	Between $300k and $400k; impacts to S&B, Integration, MMS, DAIP, NMMS, CMM, REG, Data Access & Transparency, External Public, and BI & Data Analytics; ERCOT business processes and grid operations and practices will be updated.
Business Case Highlights	This NPRR improves upon the current ERCOT market design by implementing the use of a nodal energy price in the Settlement of SODGs and SOTGs. Nodal energy prices would increase economic efficiency.

July TAC Highlights

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Election of TAC Vice-Chair. On 7/24/19, TAC confirmed by acclamation, Clif Lange (STEC), as 2019 TAC Vice-Chair

Real-Time Co-optimization Task Force (RTCTF) Key Principles. On 7/24/19, TAC endorsed the following key principles as presented by RTCTF.
- Key Principle 1.4 Subsection 1: System Inputs into RTC
- Key Principle 1.5 Subsections 1-6: Process for Deploying Ancillary Services (Alternative 1)
- Key Principle 1.6 Subsections 1-4: AS Imbalance Settlement with RTC
- Key Principle 3 Subsections 1-9: Reliability Unit Commitment
- Key Principle 4 Supplemental Ancillary Service Market

Discussions on Outages related to CREZ lines
- Updates and Q&A at both CMWG & WMS
- Outages in Outage Scheduler are worst case and updated regularly
- Notices to be sent to CMWG listserv