**DRAFT**

**Minutes of the Technical Advisory Committee (TAC) Meeting**

**ERCOT Austin – 8000 Metropolis Drive (Building E), Suite 100– Austin, Texas 78744**

**Thursday, September 19, 2024 – 9:00 a.m.**

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| *TAC Representatives:* |  | | |  | | | |
| Barnes, Bill | Reliant Energy Retail Services (Reliant) | | |  | | | |
| Blakey, Eric | Pedernales Electric Cooperative (PEC) | | |  | | | |
| Bonskowski, Ned | Luminant Generation (Luminant) | | |  | | | |
| Carpenter, Jeremy | Tenaska Power Services (Tenaska) | | | Via Teleconference | | | |
| Coleman, Diana | CPS Energy | | | Alt. Rep. for David Kee | | | |
| Dreyfus, Mark | City of Eastland | | |  | | | |
| Fehrenbach, Nick | City of Dallas | | | Via Teleconference | | | |
| Franklin, Russell | Garland Power and Light (GP&L) | | | Via Teleconference | | | |
| Gaytan, Jose | Denton Municipal Electric (DME) | | | Via Teleconference | | | |
| Goff, Eric | Residential Consumer | | |  | | | |
| Haley, Ian | Morgan Stanley | | |  | | | |
| Harpole, Jay | APG&E | | | Via Teleconference | | | |
| Helton, Bob | ENGIE North America (ENGIE) | | |  | | | |
| Holt, Blake | Lower Colorado River Authority (LCRA) | | |  | | | |
| Hendrix, Chris | Demand Control 2 | | | Via Teleconference | | | |
| John, Ebby | CenterPoint Energy (CNP) | | | Alt. Rep. for David Mercado | | | |
| Kee, David | CPS Energy | | |  | | | |
| Kent, Garret | CMC Steel Texas (CMC Steel) | | |  | | | |
| Martin, Collin | Oncor Electric Delivery (Oncor) | | |  | | | |
| Morais, Matt | National Grid Renewables (NG Renewables) | | | Via Teleconference | | | |
| Nix, Keith | Texas-New Mexico Power Company (TNMP) | | |  | | | |
| Packard, John | South Texas Electric Cooperative (STEC) | | |  | | | |
| Pokharel, Nabaraj | Office of Public Utility Counsel (OPUC) | | |  | | | |
| Ross, Richard | AEP Service Corporation (AEPSC) | | |  | | | |
| Sams, Bryan | Calpine Corporation (Calpine) | | |  | | | |
| Schmitt, Jennifer | Rhythm Ops | | |  | | | |
| Schubert, Eric | Lyondell Chemical | | |  | | | |
| Smith, Caitlin | Jupiter Power | | |  | | | |
| Thomas, Shane | Shell Energy North America (SENA) | | | Alt. Rep. for Resmi Surendran | | | |
| Whitehurst, Stacy | TNMP | | | Alt. Rep. for Keith Nix via Teleconference | | | |
| Wilson, Joe Dan | Golden Spread Electric Cooperative (GSEC) | | | Alt. Rep for Mike Wise | | | |
| Withrow, David | AEPSC | | | Alt. Rep. for Richard Ross | | | |
| Xie, Fei | Austin Energy | | | Alt. Rep. for Alicia Loving Via Teleconference | | | |
|  | | |  | |  | |
|  | |  | | |  | |

The following proxies were assigned:

* Eric Goff to Nabaraj Pokharel for NPRR1188 and OBDRR046 Only
* Caitlin Smith to Bob Helton
* Nabaraj Pokharel to Eric Goff

*Guests:*

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| --- | --- | --- | --- | --- |
| Ainspan, Malcolm | NRG | | Via Teleconference | |
| Aldridge, Ryan | AB Power Advisors | | Via Teleconference | |
| Allen, Thresa | Avangrid Renewables | | Via Teleconference | |
| Alsup, Barry | Citadel | | Via Teleconference | |
| Anderson, Connor | AB Power Advisors | | Via Teleconference | |
| Anderson, Kevin | Customized Energy Solutions (CES) | | Via Teleconference | |
| Ashley, Kristy | CES | | Via Teleconference | |
| Barati, Camron | Potomac Economics | | Via Teleconference | |
| Beckman, Kara | NextEra Energy | | Via Teleconference | |
| Benson, Mariah | Texas Public Power Association (TPPA) | |  | |
| Berg, Justin | Equilibrium Energy | | Via Teleconference | |
| Bernier, Benjamin | Mercuria | | Via Teleconference | |
| Bevill, Rob | TNMP | | Via Teleconference | |
| Bezwada, Neelima | Potomac Economics | | Via Teleconference | |
| Bivens, Carrie | NextEra Energy | | Via Teleconference | |
| Blackburn, Don | Hunt Energy Network | | Via Teleconference | |
| Brasel, Kade | CPS Energy | |  | |
| Brown, Chris | Public Utility Commission of Texas (PUCT) | | Via Teleconference | |
| Bulzak, Jacob | PUCT | | Via Teleconference | |
| Bunyan, Michael | ENGIE | | Via Teleconference | |
| Burkhead, Brett | Calpine | | Via Teleconference | |
| Campo, Curtis | Garland Power & Light | | Via Teleconference | |
| Carpenter, Jeremy | Tenaska | | Via Teleconference | |
| Chan, Vanessa | Enel | | Via Teleconference | |
| Cheng, Yong |  | | Via Teleconference | |
| Chwialkowski, Todd | EDFR | | Via Teleconference | |
| Clark, Jack | Spearmint Energy | | Via Teleconference | |
| Cochran, Seth | Vitol | |  | |
| Cockrell, Justin | DC Energy | | Via Teleconference | |
| Cook, Kristin | Southern Power | | Via Teleconference | |
| Cortez, Sarai | Trailstone | | Via Teleconference | |
| Cripe, Ramsey | SEnergy | | Via Teleconference | |
| Detelich, David | CPS Energy | | Via Teleconference | |
| Dharme, Neeraja | EDFT | | Via Teleconference | |
| Dollar, Zachary | PUCT | | Via Teleconference | |
| English, Barksdale | PUCT | |  | |
| Fareedi, Ayesha | Sunraycer | | Via Teleconference | |
| Frazier, Amanda | Treaty Oak Clean Energy | | Via Teleconference | |
| Gant, Jim | Priority Power | |  | |
| Garza, Beth |  | | Via Teleconference | |
| Goff, Eric | Lancium for NPRR1188 and OBDRR046 | |  | |
| Greer, Clayton | Cholla, Inc. | | Via Teleconference | |
| Grutter, Aaron | Calpine | | Via Teleconference | |
| Guo, Chenyan | NextEra Energy | | Via Teleconference | |
| Hale, Josh | Southern Power | | Via Teleconference | |
| Hall, Matthew | Invenergy | | Via Teleconference | |
| Halland, Jessica | AES | | Via Teleconference | |
| Headrick, Bridget | CES | |  | |
| Heinrich, Holly | Husch Blackwell | | Via Teleconference | |
| Heith, Mattie | Calpine | | Via Teleconference | |
| Henson, Martha | Oncor | | Via Teleconference | |
| Huang, Mandy | Grid Beyond | | Via Teleconference | |
| Hubbard, John Russ | Texas Industrial Energy Consumers (TIEC) | |  | |
| Jha, Monica | Vistra | | Via Teleconference | |
| Kaepplinger, Ashley | Enel | | Via Teleconference | |
| Kasali, Tosin | Hecate Grid | | Via Teleconference | |
| Keefer, Andrew | City of Denton | | Via Teleconference | |
| Keller, Jenna | PUCT | | Via Teleconference | |
| Khayat, Maribel | CNP | | Via Teleconference | |
| Kilroy, Taylor | TPPA | | Via Teleconference | |
| Kirby, Brandon | GEUS | | Via Teleconference | |
| Koz, Brian |  | | Via Teleconference | |
| Lasher, Warren | Lasher Energy Consulting | | Via Teleconference | |
| Lee, Jim | CNP | |  | |
| Leverett, Travis | WETT, LLC | | Via Teleconference | |
| Levine, Jon | Baker Botts | | Via Teleconference | |
| Loew, Beverly | Eric Winters Goff, LLC | | Via Teleconference | |
| Lotter, Eric | GridMonitor | | Via Teleconference | |
| Macaraeg, Tad | Stem | | Via Teleconference | |
| Mahajan, Yogesh |  | | Via Teleconference | |
| Martin, Loretto | NRG | | Via Teleconference | |
| McClellan, Suzi | Good Company Associates | | Via Teleconference | |
| McDonald, Jeff | Potomac Economics | |  | |
| McKeever, Debbie | Oncor | | Via Teleconference | |
| McMurray, Creighton | Spencer Fane | |  | |
| Melaerts, Sebastien | 61Commodities | | Via Teleconference | |
| Midkiff-Prologis, Justin | Prologis Energy | | Via Teleconference | |
| Miller, Alex | EDF Renewables | | Via Teleconference | |
| Morris, Sandy | WETT | | Via Teleconference | |
| Nicholson, Tyler | PUCT | | Via Teleconference | |
| Nguyen, Andy | Constellation | |  | |
| Pearson, Arthur | Blueprint Power | | Via Teleconference | |
| Petajasoja, Ida | Stem Energy | | Via Teleconference | |
| Pietrucha, Doug | AEE | | Via Teleconference | |
| Preston, Gene | IEEE | | Via Teleconference | |
| Price, Mark | DC Energy | | Via Teleconference | |
| Puram, Rakesh |  | | Via Teleconference | |
| Pyrek, Daniel | Energy Aspects | | Via Teleconference | |
| Reasor, Deidra | GVEC | | Via Teleconference | |
| Reimers, Andrew | Potomac Economics | | Via Teleconference | |
| Rich, Katie | Luminant | | Via Teleconference | |
| Richmond, Michele | Texas Competitive Power Advocates (TCPA) | | Via Teleconference | |
| Rose, Tom | Geometric Strategies | | Via Teleconference | |
| Sablosky, Maximillian |  | | Via Teleconference | |
| Sager, Brenden | Austin Energy | | Via Teleconference | |
| Scott, Kathy | CNP | | Via Teleconference | |
| Sersen, Juliana | Baker Botts | | Via Teleconference | |
| Siddiqi, Shams | Crescent Power Consulting | | Via Teleconference | |
| Sims, Chris | Lubbock Power & Light | | Via Teleconference | |
| Smith, Chase | Southern Power | | Via Teleconference | |
| Smith, Mark |  | | Via Teleconference | |
| Stephenson, Zach | Texas Electric Cooperatives (TEC) | | Via Teleconference | |
| Thompson, Brett | CMC | | Via Teleconference | |
| Townsend, Paul | TCPA | |  | |
| Trefny, Floyd | ERCOT Steel Mills | | Via Teleconference | |
| Trevino, Melissa | Occidental Chemical | | Via Teleconference | |
| True, Roy | ACES | | Via Teleconference | |
| Uy, Manny | Hunt Energy | | Via Teleconference | |
| Van Ness, Zach | Matrix Renewables | | Via Teleconference | |
| Van Winkle, Kim | PUCT | | Via Teleconference | |
| Velasquez, Ivan | Oncor | | Via Teleconference | |
| Wagner, Julie | PUCT | | Via Teleconference | |
| Walke, Pranil | Calpine | | Via Teleconference | |
| Walker, Floyd | PUCT | |  | |
| Watson, Markham |  | | Via Teleconference | |
| White, Jennifer | PUCT | | Via Teleconference | |
| Whitehurst, Stacy | TNMP | | Via Teleconference | |
| Williams, Wes | BTU | |  | |
| Wilson, Frank | NEC Co-op Energy | | Via Teleconference | |
| Withrow, David | AEP | |  | |
| Wittmeyer, Bob | Longhorn Power | |  | |
| Woods, Brad | Texas Reliability Entity, Inc. (Texas RE) | | Via Teleconference | |
| Xiao, Hong | Energy Exemplar | | Via Teleconference | |
| Zhang, Mandy | GEUS | | Via Teleconference | |
|  | |  | |  |
| *ERCOT Staff:* | |  | |  |
| Albracht, Brittney | |  | |  |
| Allen, James | |  | | Via Teleconference |
| Anderson, Troy | |  | |  |
| Arth, Matt | |  | | Via Teleconference |
| Azeredo, Chris | |  | | Via Teleconference |
| Berry, DJ | |  | | Via Teleconference |
| Billo, Jeff | |  | |  |
| Blevins, Bill | |  | |  |
| Boren, Ann | |  | |  |
| Carswell, Cory | |  | | Via Teleconference |
| Chen, Steven | |  | | Via Teleconference |
| Collins, Keith | |  | |  |
| Dashnyam, Sanchir | |  | | Via Teleconference |
| Devadhas Mohanadha, Thinesh | |  | | Via Teleconference |
| Day, Betty | |  | | Via Teleconference |
| Dovalina, Julio | |  | | Via Teleconference |
| Drake, Gordon | |  | |  |
| Duus, Tim | |  | | Via Teleconference |
| Dwyer, Davida | |  | |  |
| Fabricant, Samuel | |  | | Via Teleconference |
| Findley, Samantha | |  | | Via Teleconference |
| Finke, Sidne | |  | | Via Teleconference |
| Frosch, Colleen | |  | | Via Teleconference |
| Garcia, Freddy | |  | | Via Teleconference |
| Garza, Christian | |  | | Via Teleconference |
| González, Ino | |  | | Via Teleconference |
| Gross, Katherine | |  | | Via Teleconference |
| Guiyab, Rochie | |  | | Via Teleconference |
| Hailu, Ted | |  | | Via Teleconference |
| Hanson, Pamela | |  | |  |
| Hernandez-Garcia, Jessica | |  | | Via Teleconference |
| Hinojosa, Luis | |  | |  |
| Lightner, Debbie | |  | | Via Teleconference |
| Lofton, Amy | |  | | Via Teleconference |
| Magarinos, Marcelo | |  | | Via Teleconference |
| Maggio, Dave | |  | | Via Teleconference |
| Mago, Nitika | |  | |  |
| McGuire, Josh | |  | | Via Teleconference |
| Meier, Kennedy | |  | | Via Teleconference |
| Mereness, Matt | |  | |  |
| Moorty, Sai | |  | | Via Teleconference |
| Moreno, Alfredo | |  | |  |
| Morris, Sam | |  | | Via Teleconference |
| Parthasarathy, Priyanka | |  | | Via Teleconference |
| Pedigo, Jake | |  | | Via Teleconference |
| Phillips, Cory | |  | |  |
| Ramirez-Burgueno, Daniel | |  | | Via Teleconference |
| Roberts, Randy | |  | | Via Teleconference |
| Rosel, Austin | |  | | Via Teleconference |
| Rossero, Nicole | |  | | Via Teleconference |
| Schmidt, Matthew | |  | | Via Teleconference |
| Scott, Vicki | |  | | Via Teleconference |
| Seely, Chad | |  | |  |
| Shanks, Magie | |  | | Via Teleconference |
| Sheets, Jarod | |  | | Via Teleconference |
| Thompson, Chad | |  | | Via Teleconference |
| Troublefield, Jordan | |  | |  |
| Wang, Lei | |  | | Via Teleconference |
| Wang, Tingting | |  | | Via Teleconference |
| Wasik-Gutierrez, Erin | |  | |  |
| Young, Matt | |  | |  |
| Zhang, Bryan | |  | | Via Teleconference |
| Zhang, Jimmy | |  | | Via Teleconference |

*Unless otherwise indicated, all Market Segments participated in the votes.*

Caitlin Smith called the September 19, 2024 meeting to order at 9:00 a.m.

Antitrust Admonition

Ms. Smith directed attention to the displayed Antitrust Admonition and noted that the Antitrust Guidelines are available for review on the ERCOT website.

Discussion of Stakeholder Process and Communications (see Key Documents)[[1]](#footnote-2)

Ms. Smith reminded participants of the stakeholder process discussions at the July 25 and August 29, 2024 Public Utility Commission of Texas (PUCT) Open meetings and August 20, 2024 ERCOT Board of Directors (Board) meeting, reiterated the goals of developing potential changes in the stakeholder process that would improve transparent communications to the Board and PUCT to enable them to better understand the issues and possible outcomes related to different segments, and getting information out earlier for contentious issues.

*Review of Current Stakeholder Process*

Ann Boren presented a high level overview of the current stakeholder process and summarized the Revision Request process.

*Possible Process Improvements*

*Stakeholder/TAC Communications to Board*

Ms. Smith reviewed potential process improvements, including modifying the subcommittee voting threshold and setting a minimum-time requirement for Revision Requests advancing from the Protocol Revision Subcommittee (PRS) to TAC. Cory Phillips highlighted potential impacts of a 2/3 subcommittee voting threshold on Revision Requests over a two-year look-back period. Ms. Boren noted that although not a requirement, interested parties are encouraged to file formal comments to provide a clear, documented summary of the issues and impacts for stakeholder review earlier in the process. Participants discussed the consensus-building process among stakeholders and elected segment representatives at the subcommittee and TAC levels. In response to participant questions and concerns, Ms. Boren reviewed the process to appeal certain TAC actions and noted there is also opportunity for stakeholders to provide comments to the Board opposing a TAC recommendation of approval.

Some participants expressed concerns about unintended consequences of potential changes to the voting threshold and required timelines between PRS and TAC, including not exploring alternate solutions and creating unnecessary delays in the process. Some opposing participants highlighted the informal appeal process to the PUCT of a Board decision as a significant issue. Barksdale English stated that the PUCT is aware of a need for a formal appeal process and anticipates taking up that process in a future rulemaking, and offered PUCT Staff improvements, including attending TAC meetings and communicating concerns on issues earlier in the stakeholder process. Participants debated various potential process improvement solutions and roles of TAC members, the Board, and PUCT Staff.

*Comments to the Board on Revision Requests*

Keith Collins reminded participants of the discussion at the August 28, 2024 TAC meeting regarding non-unanimous Revision Requests and that they are considered at the Reliability and Markets Committee before advancing to the Board. Mr. Collins stated that that the Board may request ERCOT file comments on Revision Requests to provide additional information when necessary. In response to participant questions and concerns, Chad Seely stated that if requested by the Board, ERCOT Staff will provide supplemental information so that the Board can make their recommendations to the PUCT. Ms. Smith noted that TAC leadership will summarize potential solutions and bring forward this topic for further discussion at the October 30, 2024 TAC meeting.

Approval of TAC Meeting Minutes (see Key Documents)

*August 28, 2024*

Market Participants expressed support for the proposed clarifications Ned Bonskowski offered to the August 28, 2024 TAC Meeting minutes. Collin Martin noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

Meeting Updates

*August and September 2024 PUCT Meetings*

Mr. Martin reviewed the disposition of items considered at the August 29 and September 12, 2024 PUCT Open meetings.

Review of Revision Request Summary/ERCOT Market Impact Statement/Opinions (See Key Documents)

Ms. Boren presented a Revision Request Summary, including the ERCOT Market Impact Statements, ERCOT Opinions, Credit Finance Subgroup (CFSG) Review, budgetary impacts, and reasons for revisions for Revision Requests to be considered by TAC. Ms. Boren noted the Independent Market Monitor (IMM) opinions for Revision Requests to be considered by TAC.

PRS Report (see Key Documents)

Diana Coleman reviewed PRS activities and presented Revision Requests for TAC consideration. In response to Mr. English's question regarding the status of Nodal Protocol Revision Request (NPRR) 1247, Incorporation of Congestion Cost Savings Test in Economic Evaluation of Transmission Projects, Ms. Coleman stated that it remains tabled at PRS, highlighted ongoing NPRR1247 discussion at the Planning Working Group (PLWG), and noted the concerns expressed by stakeholders with regard for the request for Urgent status and the need to review the ERCOT white paper, Congestion Cost Savings Test Evaluation Guideline, before PRS consideration. John Russ Hubbard highlighted the 9/11/24 TIEC comments to NPRR1247. Matt Arth reviewed the Revision Request timeline, noted the ERCOT desire to ultimately move NPRR1247 forward with Urgent status, and confirmed that although the white paper provides additional clarity on how the congestion cost savings test is calculated, it would not impact the concepts in NPRR1247.

*NPRR1188, Implement Nodal Dispatch and Energy Settlement for Controllable Load Resources*

Market Participants reviewed the 6/27/24 Impact Analysis and Justification of Reason for Revision and

Market Impacts for NPRR1188, and Other Binding Document Revision Request (OBDRR) 046, Related to NPRR1188, Implement Nodal Dispatch and Energy Settlement for Controllable Load Resources.

**Ian Haley moved to approve the NPRR1188/OBDRR046 Combined Ballot as follows:**

* **To recommend approval of NPRR1188 as recommended by PRS in the 9/12/24 PRS Report**
* **To recommend approval of OBDRR046 as submitted and the 6/27/23 Impact Analysis**

**Jennifer Schmidt seconded the motion.** **The motion carried unanimously.** *(Please see ballot posted with Key Documents.)*

*NPRR1237, Retail Market Qualification Testing Requirements*

Mr. Martin noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

*NPRR1244, Clarification of Controllable Load Resource Primary Frequency Response Responsibilities*

Troy Anderson presented the 9/13/24 Revised Impact Analysis to NPRR1244. Market Participants discussed the appropriate priority and rank for NPRR1244, reprioritizing implementation to occur after the Real-Time Co-Optimization (RTC) project is completed. Mr. Martin noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

Revision Requests Tabled at TAC (See Key Documents)

*OBDRR046*

This item was considered above with NPRR1188.

*OBDRR052, Related to NPRR1246, Energy Storage Resource Terminology Alignment for the Single-Model* TAC took no action on this item.

*NPRR1215, Clarifications to the Day-Ahead Market (DAM) Energy-Only Offer Calculation*

Alfredo Moreno reviewed the 8/1/24 ERCOT comments to NPRR1215 and highlighted informal stakeholder discussions on the issues following the August 28, 2024 TAC meeting. Ms. Boren offered desk top edits to clarify verbiage within paragraph (6)(e) of Section 4.4.10, Credit Requirement for DAM Bids and Offers. Mr. Martin noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

Retail Market Subcommittee (RMS) Report

Debbie McKeever reviewed RMS activities, including MarkeTrak training sessions on retail projects and Texas SET V5.0 flight testing.

Reliability and Operations Subcommittee (ROS) Report (see Key Documents)

Katie Rich reviewed ROS activities, including the ROS recommendation for the 2025 Ancillary Services Methodology and presented Revision Requests for TAC consideration.

*Nodal Operating Guide Revision Request (NOGRR) 263, Related to NPRR1244, Clarification of Controllable Load Resource Primary Frequency Response Responsibilities*

Market Participants reviewed the 9/13/24 Revised Impact Analysis to NOGRR263. Mr. Martin noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

*NOGRR264, Related to NPRR1235, Dispatchable Reliability Reserve Service as a Stand-Alone Ancillary Service*

Market Participants noted the related NPRR1235 is still under consideration by PRS and requested tabling of NOGRR264. Mr. Martin noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

*Major Transmission Elements (MTE) List*

Ms. Rich presented the MTE List for TAC consideration. Mr. Martin noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

Wholesale Market Subcommittee (WMS) Report (see Key Documents)

Eric Blakey reviewed WMS activities, including the WMS recommendation for the 2025 Ancillary Services Methodology and the Large Load Interconnection Status update.

Proposed Changes to Ancillary Service Methodology for 2025 (see Key Documents)

Luis Hinojosa reviewed the ongoing Ancillary Services initiatives, highlighted the timeline and stakeholder review of the Ancillary Service Methodology at various working groups and subcommittees, presented additional analyses on the Ancillary Services quantities, and summarized the ERCOT recommendation for the 2025 Ancillary Service Methodology. Some Market Participants expressed concern for the proposed recommendations, including increased risk and operational concerns for changes to procurement of Regulation Service quantities, reduced procurement of ERCOT Contingency Reserve Service (ECRS) quantities, potential Reliability Unit Commitment (RUC) impacts, and impacts on investment signals for new generation development. Nitika Mago and Jeff Billo responded to participants questions and concerns on the proposed changes and potential impacts after RTC project implementation.

In response to participant questions on IMM concerns on the 2025 Ancillary Service Methodology, Jeff McDonald highlighted discussions with ERCOT and PUCT Staff on the Ancillary Services Study; noted the limited time to incorporate concepts into the 2025 Ancillary Service Methodology; stated that the IMM is happy to see the proposed changes provide a more targeted procurement, resulting in reductions in ECRS and Non-Spinning Reserve Service procurements; and concluded that the IMM will provide recommendations for future Ancillary Service Methodology processes.

**Blake Holt moved to endorse the 2025 Ancillary Service Methodology as presented by ERCOT. Bill Barnes seconded the motion. The motion carried with one objection from the Independent Generator (Calpine) Market Segment and two abstentions from the Independent Generator (Jupiter Power) and from the Independent Power Marketer (IPM) (Morgan Stanley) Market Segment.** *(Please see ballot posted with Key Documents.)*

Large Flexible Load Task Force (LFLTF) Report

Bill Blevins reviewed LFLTF activities, noted that the task force developed policy recommendations for TAC consideration relating to the integration of large flexible loads in the ERCOT system, and stated that the task force does not anticipate future meetings, but will not yet be disbanded, awaiting any potential additional legislative direction that may impact the current rules. Mr. Blevins noted that ERCOT is developing a large load landing page on the ERCOT website and requested TAC feedback on meeting efficiencies for reviewing the Large Load Interconnection Queue Status report. Participants discussed potential subcommittees and working groups to consider the issues and, ultimately, requested Mr. Blevins continue to provide the report to TAC meetings. Davida Dwyer acknowledged the request for increased granularity and transparency of information regarding large loads, however, reminded participants of statutory and customer-protection regulations that limit the level of granularity regarding customer information that may be included in ERCOT reports.

CFSG Report (See Key Documents)

Loretto Martin reviewed CFSG activities, including summarizing discussion on the proposal to review

lookback and forward adjustment factors that drive changes to collateral requirements, and encouraged participants to attend the October 23, 2024 CFSG meeting to further discuss the issues.

Real-Time Co-optimization plus Batteries Task Force (RTCBTF) (see Key Documents)

Matt Mereness reviewed RTCBTF activities; noted the Real-Time Co-optimization plus Batteries (RTC+B) go-live target date of December 5, 2025, as described in the September 13, 2024 Market Notice M-A091324-01 and press release; and reviewed the new streamlined RTCBTF Issue list. Mr. Mereness emphasized the timeline for the items on the issues list to be discussed at specific future RTCBTF meetings and policy issues to be resolved by April 2025. Mr. Mereness presented the RTC+B Ancillary Service Demand Curve (ASDC) Issue white paper, reviewed the historical perspective and policy issues settled in 2019 used in developing the ASDC, and summarized current changes leading to two Operating Reserve Demand Curve (ORDC) / ASDC issues that were discussed at the September 13, 2024 RTCBTF meeting. Mr. Mereness stated that ERCOT is currently analyzing and preparing the ORDC biennial study to file with the PUCT by November 1, 2024, highlighted participant concerns and issues on preserving the existing Market Equilibrium Reserve Margin (MERM), reviewed next steps, and responded to participant questions and concerns. Mr. Collins encouraged participants to attend the October 22, 2024 RTCBTF meeting to further review the issues. Mr. McDonald stated that the IMM is continuing to develop their analysis and will work with ERCOT Staff to get feedback on the analysis and recommendations and anticipates bringing forward such recommendations in the near future.

ERCOT Reports (see Key Documents)

*Potential Price Corrections*

*August 9 through August 10, 2024 – Incorrect Resource Data Impacting the Real-Time Market (RTM)*

Matt Young summarized the erroneous update to a single Resource's registration status that impacted the RTM; noted that ERCOT issued Market Notices M-A082024-01 on September 20, 2024 and M-A082024-02 on September 17, 2024; presented the analysis of price and Settlement impacts; and stated that potential price corrections will be considered at the Reliability and Market Committee meeting on October 9, 2024, and the Board meeting on October 10, 2024.

*August 20, 2024 – Incorrect Recall of ECRS*

Mr. Young reviewed the software defect in the ERCOT Energy Management System (EMS) resulting in the incorrect recall of ECRS that impacted RTM and noted that ERCOT issued Market Notices M-A082824-01 on August 28, 2024 and M-A082824-02 on September 17, 2024. Mr. Young presented the analysis of price and Settlement impacts and stated that potential price corrections will be considered at the Reliability and Market Committee meeting on October 9, 2024, and Board meeting on October 10, 2024.

*Congestion Revenue Right (CRR) Performance Issue Update*

Mr. Moreno summarized bid transaction scenarios impacting performance in the long-term sequence CRR auctions, highlighted discussion at the September 11, 2024 WMS meeting, presented the results of recent performance studies, noted that hardware and software options have been optimized as much as possible, and reviewed short-term mitigation solutions for the risk of over-subscription in the current Seq6 auction. Mr. Mereness stated that potential mid-term to long term solutions will be discussed at the Congestion Management Working Group (CMWG) and WMS, and that updates on the issues will be provided at future TAC meetings.

*ERCOT 2025 Membership Application and Agreement Follow-Up*

Katherine Gross provided updates to the membership application and agreement process, noted that the 2025 Membership process will commence on September 20, 2024, stated that ERCOT would distribute a market notice, and reviewed potential issues and resolutions regarding participants accessing the ERCOT public portal. Ms. Gross stated that per the Amended and Restated Bylaws of Electric Reliability Council of Texas, Inc., effective December 20, 2022, ERCOT has determined that Data and Cryptocurrency Centers fit best in the Industrial Consumer Segment for the 2025 Membership and Elections, and that ERCOT Staff support a broader long-term discussion of segment composition in the future. Participants debated the appropriateness of inclusion in the Industrial Consumer Segment, potential changes in membership and/or segment voting, and timelines for discussion of the issues in consideration of bylaw changes. Ms. Gross offered to provide an update at the October 20, 2024 TAC meeting, responded to participants questions and concerns, and presented contact links for questions and concerns on the ERCOT portal, membership, and fees.

*2024 Annual Under-Frequency Load Shed (UFLS) Survey Results*

Jake Pedigo presented findings of the 2024 UFLS Survey.

Other Business (see Key Documents)

*Mobile App*

Priyanka Parthasarathy presented enhancements to the ERCOT mobile app and noted the changes will be effective September 30, 2024. Ms. Parthasarathy encouraged participants to review a video of the mobile app enhancements at <https://youtu.be/qPycHRnKra0>.

Combined Ballot

**Mr. Bonskowski moved to approve the Combined Ballot as follows:**

* **To approve the August 28, 2024 TAC meeting minutes as revised by TAC**
* **To recommend approval of NPRR1237 as recommended by PRS in the 9/12/24 PRS Report**
* **To recommend approval of NPRR1244 as recommended by PRS in the 9/12/24 PRS Report; and the 9/13/24 Revised Impact Analysis; with a recommended priority of 2026 and rank of 4710**
* **To recommend approval of NPRR1215 as recommended by TAC in the 6/24/24 TAC Report as amended by the 8/1/24 ERCOT comments as revised by TAC**
* **To recommend approval of NOGRR263 as recommended by ROS in the 9/9/24 ROS Report; and the 9/13/24 Revised Impact Analysis**
* **To table NOGRR264**
* **To approve the Major Transmission Elements (MTE) List as presented**

**Bob Helton seconded the motion.** **The motion carried** **unanimously.** *(Please see ballot posted with Key Documents.)*

Mr. Martin adjourned the September 19, 2024 TAC meeting at 3:32 p.m.

1. Key Documents referenced in these minutes may be accessed on the ERCOT website at:

   <https://www.ercot.com/calendar/09192024-TAC-Meeting> [↑](#footnote-ref-2)