**APPROVED**

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

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

**Wednesday, July 31, 2024 – 1:00 p.m.**

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

The following proxies were assigned:

* Nabaraj Pokharel to Eric Goff
* Chris Hendrix to Jennifer Schmitt

*Guests:*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Ainspan, Malcolm | NRG | | Via Teleconference | |
| Aksomitis, Kris | Power Advisors, LLC | | Via Teleconference | |
| Aldridge, Ryan | AB Power Advisors | | Via Teleconference | |
| Allen, Thresa | Avangrid Renewables | | Via Teleconference | |
| Anderson, Connor | AB Power Advisors | | Via Teleconference | |
| Anderson, Lyrae | Akuo Energy | | Via Teleconference | |
| Andrus, Sydney | PGR | | Via Teleconference | |
| Ashley, Kristy | Customized Energy Solutions (CES) | | Via Teleconference | |
| Azari, David | Invenergy | | Via Teleconference | |
| Beckman, Kara | NextEra Energy | | Via Teleconference | |
| Benson, Mariah | Texas Public Power Association (TPPA) | | Via Teleconference | |
| Bernier, Benjamin | Mercuria | | Via Teleconference | |
| Berry, Danny | LCRA | | Via Teleconference | |
| Bevill, Rob | TNMP | | Via Teleconference | |
| Binda Pereira, Mariana | GE | | Via Teleconference | |
| Bivens, Carrie | NextEra Energy | | Via Teleconference | |
| Blackburn, Don | Hunt Energy Network | | Via Teleconference | |
| Block, Laurie | L Block Consulting, LLC | | Via Teleconference | |
| Briggs, Lindsay | EPE Consulting | | Via Teleconference | |
| Brown, Chris | Public Utility Commission of Texas (PUCT) | | Via Teleconference | |
| Bulzak, Jacob | PUCT | | Via Teleconference | |
| Burkhead, Brett | Calpine | | Via Teleconference | |
| Cheng, Yong | LCRA | | Via Teleconference | |
| Chwialkowski, Todd | EDF Renewables | | Via Teleconference | |
| Clark, Jack | Spearmint Energy | | Via Teleconference | |
| Cockrell, Justin | DC Energy | | Via Teleconference | |
| Cochran, Seth | Vitol | | Via Teleconference | |
| Coleman, Diana | CPS Energy | |  | |
| Cortez, Sarai | Trailstone | | Via Teleconference | |
| Crist, Kelly | ENGIE | | Via Teleconference | |
| Deaville, Chris | Enchanted Rock | | Via Teleconference | |
| Dernulc, Lawrence | Invenergy | | Via Teleconference | |
| Detelich, David | CPS Energy | | Via Teleconference | |
| Dharme, Neeraja | EDFT | | Via Teleconference | |
| Dietert, Cole | EPE Consulting | | Via Teleconference | |
| Duensing, Allison | Sarac Energy | | Via Teleconference | |
| Fink, Regan | PG Renewables | | Via Teleconference | |
| Gant, Jim | Priority Power | | Via Teleconference | |
| Gauldin, Julie | PUCT | | Via Teleconference | |
| Ghavami, Mohsen |  | | Via Teleconference | |
| Gilman, Portia | Mercuria | | Via Teleconference | |
| Goff, Eric | Joint Commentors, NOGRR245 Only | |  | |
| Griffiths, Meghan |  | | Via Teleconference | |
| Hale, Josh | Southern Power | | Via Teleconference | |
| Hall, Matthew | Invenergy | | Via Teleconference | |
| Hamer, Neal | Invenergy | | Via Teleconference | |
| Headrick, Bridget | CES | |  | |
| Hennings, Peter |  | | Via Teleconference | |
| Henson, Martha | Oncor | | Via Teleconference | |
| Hernandez, Evelyn | Nordex | | Via Teleconference | |
| Hubbard, John Russ | Texas Industrial Energy Consumers (TIEC) | | Via Teleconference | |
| Huang, Mandy | Grid Beyond | | Via Teleconference | |
| Huynh, Thuy | Potomac Economics | | Via Teleconference | |
| Jamar, Ben | ECI | | Via Teleconference | |
| Jewell, Michael | Jewell and Associates | |  | |
| Jha, Monica | Vistra | | Via Teleconference | |
| John, Ebby | CNP | | Via Teleconference | |
| Johnson, Natalie | Enel | | Via Teleconference | |
| Jones, Dan |  | | Via Teleconference | |
| Kaepplinger, Asheley | Enel | | Via Teleconference | |
| Kinser, Glenn | Total Energies | | Via Teleconference | |
| Korde, Kshitij | National Grid Renewables | | Via Teleconference | |
| Koz, Brian |  | | Via Teleconference | |
| Kremling, Barry | GVEC | | Via Teleconference | |
| Lee, Jim | CNP | |  | |
| Lin, Blake |  | | Via Teleconference | |
| Loew, Beverly | Eric Winters Goff, LLC | | Via Teleconference | |
| Lotter, Eric | GridMonitor | | Via Teleconference | |
| Mah, Marvin | Enbridge | | Via Teleconference | |
| Mahajan, Yogesh | Grid Storage | | Via Teleconference | |
| Mass, Annette | LCRA | | Via Teleconference | |
| Matos, Chris | Google | | Via Teleconference | |
| McClellan, Suzi | Good Company Associates | | Via Teleconference | |
| McDaniel Wyman, Constance |  | | Via Teleconference | |
| McDonald, Jeff | Potomac Economics | |  | |
| McKeever, Debbie | Oncor | | Via Teleconference | |
| McMurray, Creighton | Spencer Fane | |  | |
| Mechler, Robert | LS Power | | Via Teleconference | |
| Merschman, Tony | Enbridge | | Via Teleconference | |
| Miller, Alex | EDF Renewables | | Via Teleconference | |
| Mitasev, Alex | Avangrid | | Via Teleconference | |
| Morris, Sandy | WETT | | Via Teleconference | |
| Neville, Zach | CES | | Via Teleconference | |
| Nicholson, Tyler | PUCT | | Via Teleconference | |
| Nigro, Andrew | Invenergy | | Via Teleconference | |
| Nguyen, Andy | Constellation | | Via Teleconference | |
| Pearson, Kelsey | Longhorn Power | | Via Teleconference | |
| Pietrucha, Doug | AEE | | Via Teleconference | |
| Preston, Gene | IEEE | | Via Teleconference | |
| Price, Mark | DC Energy | | Via Teleconference | |
| Promubol, Jimmy | SENA | | Via Teleconference | |
| Pyka, Greg | SEnergy | | Via Teleconference | |
| Pyrek, Daniel | Energy Aspects | | Via Teleconference | |
| Quezada, Robert | AES | | Via Teleconference | |
| Ratliff, Shannon |  | | Via Teleconference | |
| Reedy, Steve | CIM View Consulting | |  | |
| Reimers, Andrew | Potomac Economics | | Via Teleconference | |
| Rich, Katie | Luminant | | Via Teleconference | |
| Ritch, John | Trafigura | | Via Teleconference | |
| Rochelle, Jenni | CES | | Via Teleconference | |
| Roth, Werner | PUCT | | Via Teleconference | |
| Rowe, Evan | Osprey Energy | | Via Teleconference | |
| Russell, Jason | Oxy | | Via Teleconference | |
| Safko, Trevor | LCRA | |  | |
| Sager, Brenden | Austin Energy | | Via Teleconference | |
| Saucedo, Jonathan | Riot Inc. | | Via Teleconference | |
| Sauers, Victor | TKO Energy | | Via Teleconference | |
| Schatz, John | Luminant Generation | | Via Teleconference | |
| Schwertner, Russ | Priority Power | | Via Teleconference | |
| Scott, Kathy | CNP | |  | |
| Sersen, Juliana | Baker Botts | |  | |
| Shumate, Walt |  | | Via Teleconference | |
| Siddiqi, Shams | Crescent Power Consulting | | Via Teleconference | |
| Sirhan, Andrew | OCI Solar Power | | Via Teleconference | |
| Smith, Chase | Southern Power | | Via Teleconference | |
| Snyder, Bill | AEP Texas | | Via Teleconference | |
| Stice, Clayton |  | | Via Teleconference | |
| Teng, Shuye | Constellation | | Via Teleconference | |
| Tierney-Lloyd, Mona | Enel | | Via Teleconference | |
| Trefny, Floyd | ERCOT Steel Mills | | Via Teleconference | |
| Trevino, Melissa | Occidental Chemical | | Via Teleconference | |
| True, Roy | ACES | | Via Teleconference | |
| Turner, Lucas | STEC | | Via Teleconference | |
| Valentine, Bobby |  | | Via Teleconference | |
| Van Winkle, Kim | PUCT | | Via Teleconference | |
| Velasquez, Ivan | Oncor | | Via Teleconference | |
| Voisishchuk, Arthur | Enbridge | | Via Teleconference | |
| Watson, Markham |  | | Via Teleconference | |
| Williamson, Collin | GSEC | | Via Teleconference | |
| Wilson, Frank | NEC | | Via Teleconference | |
| Withrow, David | AEP | |  | |
| Wittmeyer, Bob | Longhorn Power | |  | |
| Xie, Fei | Austin Energy | | Via Teleconference | |
| Yu, Alex | Enbridge | | Via Teleconference | |
| Zang, Hailing | TC Energy | | Via Teleconference | |
| Zhang, Mandy | GEUS | | Via Teleconference | |
|  | |  | |  |
| *ERCOT Staff:* | |  | |  |
| Albracht, Brittney | |  | |  |
| Anderson, Troy | |  | |  |
| Azeredo, Chris | |  | | Via Teleconference |
| Badri, Sreenivas | |  | | Via Teleconference |
| Billo, Jeff | |  | |  |
| Blevins, Bill | |  | | Via Teleconference |
| Boren, Ann | |  | |  |
| Carswell, Cory | |  | | Via Teleconference |
| Chen, Jian | |  | | Via Teleconference |
| Clifton, Suzy | |  | |  |
| Collins, Keith | |  | |  |
| Cyphers, Darrell | |  | | Via Teleconference |
| Dashnyam, Sanchir | |  | | Via Teleconference |
| Day, Betty | |  | | Via Teleconference |
| Drake, Gordon | |  | |  |
| Dwyer, Davida | |  | | Via Teleconference |
| Fabricant, Samuel | |  | | Via Teleconference |
| Gallo, Andrew | |  | |  |
| Garcia, Freddy | |  | |  |
| Gnanam, Prabhu | |  | |  |
| Golen, Robert | |  | | Via Teleconference |
| González, Ino | |  | |  |
| Gross, Katherine | |  | | Via Teleconference |
| Hailu, Ted | |  | | Via Teleconference |
| Hanson, Pamela | |  | |  |
| Hartmann, Jimmy | |  | | Via Teleconference |
| Hinojosa, Luis | |  | | Via Teleconference |
| Khodabakhsh, Fred | |  | | Via Teleconference |
| King, Ryan | |  | | Via Teleconference |
| Krishna, Ashwini | |  | | Via Teleconference |
| Krosby, Bjorn | |  | | Via Teleconference |
| Madam, Vamsi | |  | | Via Teleconference |
| Magarinos, Marcelo | |  | | Via Teleconference |
| Maggio, Dave | |  | | Via Teleconference |
| Mago, Nitika | |  | |  |
| Mantena, Dan | |  | | Via Teleconference |
| McGuire, Josh | |  | | Via Teleconference |
| Mereness, Matt | |  | |  |
| Moreno, Alfredo | |  | | Via Teleconference |
| Opheim, Calvin | |  | | Via Teleconference |
| Patterson, Mark | |  | | Via Teleconference |
| Phillips, Cory | |  | |  |
| Rainwater, Kim | |  | | Via Teleconference |
| Roberts, Randy | |  | |  |
| Rosel, Austin | |  | | Via Teleconference |
| Schmall, John | |  | | Via Teleconference |
| Schmidt, Matt | |  | |  |
| Shanks, Magie | |  | | Via Teleconference |
| Smith, Ira | |  | | Via Teleconference |
| Troublefield, Jordan | |  | | Via Teleconference |
| Warnken, Pete | |  | |  |
| Wasik-Gutierrez, Erin | |  | | Via Teleconference |
| Woodfin, Dan | |  | | Via Teleconference |
| Zapanta, Zaldy | |  | | Via Teleconference |
| Zhang, Bryan | |  | | Via Teleconference |
| Zhang, Qian | |  | | Via Teleconference |

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

Caitlin Smith called the July 31, 2024 meeting to order at 1:00 p.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.

Approval of TAC Meeting Minutes (see Key Documents)[[1]](#footnote-2)

*May 31, 2024*

*June 7, 2024*

*June 24, 2024*

Ms. Smith noted these items could be considered in the [Combined Ballot](#Combined_Ballot).

Meeting Updates

*July 25, 2024 Public Utility Commission of Texas (PUCT) Meeting*

Ms. Smith reviewed the disposition of items considered at the July 25, 2024 PUCT meeting, including that the PUCT rejected Nodal Protocol Revision Request (NPRR) 1224, ECRS Manual Deployment Triggers. Jeff Billo stated that although it was rejected, ERCOT will be using its discretion to implement the ERCOT Contingency Reserve Service (ECRS) trigger described in NPRR1224 in its operational procedures effective on Operating Day August 1, 2024. Mr. Billo further stated that ERCOT will be withdrawing NPRR1232, Standing Deployment of ECRS in the Operating Hour for a Portion of ECRS that is Provided from SCED-Dispatchable Resources.

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

Ann 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. Jeff McDonald reviewed the Independent Market Monitor (IMM) opinions for Revision Requests to be considered by TAC.

Protocol Revision Subcommittee (PRS) Report (see Key Documents)

Diana Coleman reviewed PRS activities and presented Revision Requests for TAC consideration.

*NPRR1217, Remove VDI Requirement for Deployment and Recall of Load Resources and ERS Resources*

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

*NPRR1219, Methodology Revisions and New Definitions for the Report on Capacity, Demand and Reserves in the ERCOT Region (CDR) – URGENT*

Pete Warnken reviewed NPRR1219, the 7/29/24 ERCOT comments, the 7/30/24 Revised Impact Analysis, the Revision Request timeline, and ERCOT Staff-proposed desktop edits.

Market Participants debated whether NPRR1219 should be tabled to await the PUCT’s pending reliability standard, and whether the CDR and pending reliability standard are independent of each other. **Eric Goff moved to table NPRR1219. The motion was not considered due to lack of second.** Proponents of NPRR1219noted that it provides valuable incremental improvements to the CDR and should be implemented timely for the December CDR report, that provisions were discussed extensively at the Supply Analysis Working Group (SAWG), and that no Market Participants had filed comments to NPRR1219 expressing concerns with the methodology or otherwise.

**Ned Bonskowski moved to recommend approval of NPRR1219 as recommended by PRS in the 7/18/24 PRS Report as amended by the 7/29/24 ERCOT comments as revised by TAC; and the 7/30/24 Revised Impact Analysis; with a recommended effective date of no earlier than January 1, 2025 for the gray-boxed language and the first of the month following PUCT approval for all remaining language. Bill Barnes seconded the motion.** Some Market Participants requested further review of the issues given the complexity of the Effective Load Carrying Capability (ELCC) analysis for renewable generation and the importance of the CDR in policy reviews at the PUCT and Texas Legislature. **Eric Schubert moved to table NPRR1219. The motion was not considered due to lack of second.**

**The motion to recommend approval of NPRR1219 as recommended by PRS in the 7/18/24 PRS Report as amended by the 7/29/24 ERCOT comments as revised by TAC; and the 7/30/24 Revised Impact Analysis; with a recommended effective date of no earlier than January 1, 2025 for the gray-boxed language and the first of the month following PUCT approval for all remaining language carried with two objections from the Consumer (CMC Steel, Lyondell Chemical) Market Segment, and four abstentions from the Consumer (2) (Residential, OPUC), Independent Generator (ENGIE), and Independent Power Marketer (IPM) (SENA) Market Segments.** *(Please see ballot posted with Key Documents.)*

*NPRR1227, Related to RMGRR181, Alignment of Defined Term Usage and Resolution of Inconsistencies*

Ms. Smith stated that Retail Market Guide Revision Request (RMGRR) 181 is tabled at the Retail Market Subcommittee (RMS) and this item could be considered in the [Combined Ballot](#Combined_Ballot).

*NPRR1231, FFSS Program Communication Improvements and Additional Clarifications*

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

*NPRR1233, Modification of Weatherization Inspection Fees on the ERCOT Fee Schedule*

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

Revision Requests Tabled at TAC (See Key Documents)

*NPRR1230, Methodology for Setting Transmission Shadow Price Caps for an IROL in SCED – URGENT*

Gordon Drake and Matt Schmidt presented a requested analysis of 2023 data based on NPRR1230 mechanics and responded to participant questions and concerns. Market Participants reviewed the 5/29/24 ERCOT comments to NPRR1230 and proposed desktop edits to update the proposed effective date of gray-boxed language. Proponents of NPRR1230 opined that the market based approach is the most efficient way to manage the issues NPRR1230 intended to address. Opponents urged continued use of manual intervention steps as a less costly solution rather than the systematic solution proposed in NPRR1230.

**Mr. Bonskowski moved to recommend approval of NPRR1230 as recommended by PRS in the 5/9/24 PRS Report as amended by the 5/29/24 ERCOT comments as revised by TAC. Jose Gaytan seconded the motion. The motion carried with two objections from the Cooperative (LCRA) and Municipal (Austin Energy) Market Segments and four abstentions from the Cooperative (3) (GSEC, PEC, STEC) and Independent Retail Electric Provider (IREP) (APG&E) Market Segments.** *(Please see ballot posted with Key Documents.)*

Market Participants requested review of the effectiveness/performance of the methodology. Ms. Smith requested that the Wholesale Market Subcommittee (WMS) review the issues.

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

TAC took no action on this item.

OBDRR051, Related to NPRR1216, Implementation of Emergency Pricing Program – Impact Analysis (see Key Documents)

Market Participants reviewed the 1/23/24 Impact Analysis for OBDRR051. Ms. Smith noted that this item could be considered in the [Combined Ballot](#Combined_Ballot).

RMS Report

John Schatz provided an update on the Texas SET V5.0 project implementation and noted that every Load Serving Entity (LSE) serving customers has registered for Flight 0924.

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

Katie Rich reviewed ROS activities.

WMS Report (see Key Documents)

*Verifiable Cost Manual Revision Request (VCMRR) 040, Methodology for Calculating Fuel Adders for Coal-Fired Resources*

Eric Blakey reviewed WMS activities and presented VCMRR040 for TAC consideration. Ms. Smith noted that this item could be considered in the [Combined Ballot](#Combined_Ballot).

CFSG Report (See Key Documents)

Brenden Sager reviewed CFSG activities.

Large Flexible Load Task Force (LFLTF) Report

Bill Blevins noted that although the August 5, 2024 LFLTF meeting was cancelled, LFLTF issues and related Revision Requests were discussed at various subcommittee working group meetings. Mr. Blevins encouraged participants to attend the September 6, 2024 LFLTF meeting to discuss Large Load issues and potential consideration of hibernating or disbanding the LFLTF and resolving issues through the stakeholder process. Participants highlighted the importance of the Large Load Interconnection Status Update report provided at LFLTF meetings and requested if/when the LFLTF is disbanded that ERCOT provide the report at WMS. Ms. Smith directed WMS to take up the report at regular monthly meetings.

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

Matt Mereness reviewed RTCBTF activities, including the timeline for ERCOT to release the Real-Time Co-optimization plus Batteries (RTC+B) go-live schedule and presented Revision Request next steps. Mr. Mereness reviewed the draft Market Trials Planning Document and proposed sequence and potential market trial dates, encouraged participants to provide feedback on the plan and specific ERCOT questions by August 9, 2024, and stated that the issues will be discussed at the August 14, 2024 RTCBTF meeting.

ERCOT Reports (see Key Documents)

*Firm Fuel Supply Service (FFSS) Settlement Report*

Magie Shanks presented the Annual Settlement Report regarding the total FFSS Hourly Standby Fee payments, fuel replacement costs, and clawback of the FFSS program during the November 15, 2023 through March 15, 2024 obligation period.

*4-Coincident Peak (4-CP) Update*

Randy Roberts presented the June 2024 Peak Analysis and Settlement calculations, including highlighting the calculations over two intervals and noting that the Real-Time operational Load includes Wholesale Storage Load (WSL) while it is excluded from the Settlement 4-CP peak determination calculation; summarized discussion at the July 22, 2024 Demand Side Working Group (DSWG) meeting; and responded to participant questions and concerns. Ms. Smith requested that the issues continue to be discussed at DSWG meetings, and that ERCOT Staff provide an updated analysis to include Summer 2024, at a future TAC meeting.

*Oncor Temple Area Project*

Prabhu Gnanam presented the ERCOT independent review of the Oncor Temple Area Tier 1 Regional Planning Group (RPG) Project and recommendation of Option 5A to address the reliability needs in the Bell County area, and responded to Market Participant questions and concerns. Ms. Smith noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

*2025 Ancillary Services Methodology Timeline*

Nitika Mago reminded participants of the 2025 Ancillary Services Methodology timeline presented at the June 24, 2024 TAC meeting and stated that ERCOT is targeting consideration of the methodology at the September 19, 2024 TAC meeting and the October 10, 2024 ERCOT Board (Board) meeting to allow adequate time for PUCT consideration. Ms. Mago stated that ERCOT Staff reviewed the proposed timeline with PUCT Staff and will coordinate with them to alleviate any concerns on the issues. Ms. Mago noted that if consideration of the 2025 Ancillary Services Methodology is delayed beyond December 2024, ERCOT will continue to procure Ancillary Services under the 2024 Ancillary Services Methodology.

*Post-NPRR1186 Implementation Update on State of Charge (SOC) Monitoring*

Ms. Mago highlighted ERCOT efforts to document the sufficiency of SOC for Energy Storage Resources (ESRs) that have been designated to carry an Ancillary Service responsibility as requested by the PUCT and TAC following implementation of NPRR1186, Improvements Prior to the RTC+B Project for Better ESR State of Charge Awareness, Accounting, and Monitoring. Ms. Mago noted that discussions on the proposed template took place at WMS and the Wholesale Market Working Group (WMWG) meetings, highlighted the additional analysis requested at the February 26, 2023 Reliability and Markets Committee meeting, presented the proposed template, and responded to participant questions and concerns. Participants discussed aggregate SOC reporting, improved tools to visualize situational awareness related to battery SOC, and the need for transparency of the data.

Other Business (see Key Documents)

*TAC Representatives at Annual Membership Meeting*

Market Participants discussed the proposed process for determining TAC Representatives at the December 2, 2024 ERCOT Annual Membership meeting and confirmed Collin Martin as the designated TAC Representative.

*Stakeholder Process Improvements Discussion*

Market Participants discussed comments from the July 25, 2024 PUCT Open Meeting regarding the stakeholder process. Ms. Smith offered to work with ERCOT Staff to coordinate a date in September for a TAC workshop to discuss stakeholder process improvements.

*Nodal Operating Guide Revision Request (NOGRR) 245, Inverter-Based Resource (IBR) Ride-Through Requirements Update*

Andrew Gallo highlighted NOGRR245 updates, including revisions developed with Joint Commenters to retain near-term benefits of the TAC-approved version and bifurcate for the exemption process, in addition to administrative clarifications. Mr. Gallo stated that ERCOT is developing formal comments for the changes in advance of NOGRR245 consideration at the August 19, 2024 Reliability and Markets Committee meeting and the August 20, 2024 Board meeting, and would be requesting the subsequent NOGRR be filed as a Board Priority Revision Request.

*Proposed Changes to the Net Dependable Capability and Reactive Capability (NDCRC) Project*

In response to participants’ requests and concerns, Sreenivas Badri highlighted the NDCRC project discussion from the July 25, 2024 Technology Working Group (TWG) meeting, reviewed the project timeline and go-live date of October 1, 2024, and noted that ERCOT would issue a market notice to communicate to Qualified Scheduling Entities (QSEs). Market Participants expressed appreciation for ERCOT Staff extending the deadline and openness to stakeholder feedback in the test phase of the project, noting concerns with the user interface.

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

Austin Rosel stated that following TAC’s recommendation at the June 24, 2024 TAC meeting that NPRR1215 be approved, ERCOT Staff identified a formula error and the need for an administrative clarification. Mr. Rosel requested TAC direction on the ERCOT plan to address the issues by submitting formal comments to the Board to remand NPRR1215 back to TAC for review of the issues. Market Participants expressed support for the ERCOT-proposed process.

Combined Ballot

**David Kee moved to approve the Combined Ballot as follows:**

* **To approve the May 31, June 7, and June 24, 2024 Meeting Minutes as presented**
* **To recommend approval of NPRR1217 as recommended by PRS in the 7/18/24 PRS Report**
* **To table NPRR1227**
* **To recommend approval of NPRR1231 as recommended by PRS in the 7/18/24 PRS Report**
* **To recommend approval of NPRR1233 as recommended by PRS in the 7/18/24 PRS Report**
* **To recommend approval of the 6/24/24 TAC Report and 01/23/24 Impact Analysis for OBDRR051**
* **To recommend approval of VCMRR040 as recommended by WMS in the 7/10/24 WMS Report**
* **To endorse the Oncor Temple Area Regional Planning Group Project as recommended by ERCOT (Option 5A)**

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

Ms. Smith adjourned the July 31, 2024 TAC meeting at 5:32 p.m.

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

   <https://www.ercot.com/calendar/07312024-TAC-Meeting> [↑](#footnote-ref-2)