**APPROVED**

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

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

**Wednesday, March 27, 2024 – 9:30 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( | | |  | | |
| Dreyfus, Mark | | City of Eastland | | | Via Teleconference | | |
| Franklin, Russell | | Garland Power and Light (GP&L) | | | Via Teleconference | | |
| Gaytan, Jose | | Denton Municipal Electric (DME) | | | Via Teleconference | | |
| Haley, Ian | | Morgan Stanley | | |  | | |
| Harpole, Jay | | AP Gas & Electric (APG&E) | | | Via Teleconference | | |
| Helton, Bob | | ENGIE North America (ENGIE) | | |  | | |
| Hendrix, Chris | | Demand Control 2 | | | Via Teleconference | | |
| Holt, Blake | | Lower Colorado River Authority (LCRA) | | |  | | |
| Kee, David | | CPS Energy | | | Via Teleconference | | |
| Kent, Garret | | CMC Steel Texas (CMC Steel) | | |  | | |
| Lee, Jim | | CenterPoint Energy (CNP) | | | Alt. Rep. for David Mercado | | |
| Loving, Alicia | | Austin Energy | | |  | | |
| Martin, Collin | | Oncor Electric Delivery (Oncor) | | |  | | |
| Nix, Keith | | Texas-New Mexico Power Company (TNMP) | | | Via Teleconference | | |
| Pokharel, Nabaraj | | Office of Public Utility Counsel (OPUC) | | |  | | |
| Ross, Richard | | AEP Service Corporation (AEPSC) | | |  | | |
| Sams, Bryan | | Calpine Corporation (Calpine) | | | Via Teleconference | | |
| Schmitt, Jennifer | | Rhythm Ops | | | Via Teleconference | | |
| Schubert, Eric | | Lyondell Chemical | | | Via Teleconference | | |
| Smith, Caitlin | | Jupiter Power | | |  | | |
| Turner, Lucas | | South Texas Electric Cooperative (STEC) | | | Alt. Rep. for John Packard Via Teleconference | | |
| Withrow, David | | AEPSC | | | Alt. Rep. for Richard Ross | | |
| Wise, Mike | | Golden Spread Electric Cooperative (GSEC) | | |  | | |
|  | | | |  | |  |
|  | | |  | | |  |

The following proxies were assigned:

* Eric Goff to Nabaraj Pokharel
* Nick Fehrenbach to Mark Dreyfus
* Mike Wise to Blake Holt
* Resmi Surendran to Ian Haley
* Seth Cochran to Ian Haley

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *Guests:* |  | |  | |
| Ainspan, Malcom | NRG | | Via Teleconference | |
| Aldridge, Ryan | AB Power Advisors | | Via Teleconference | |
| Allen, Thresa | Avangrid Renewables | | Via Teleconference | |
| Almazan, Michelle | BP | | Via Teleconference | |
| Anderson, Connor | AB Power Advisors | | Via Teleconference | |
| Anderson, Kevin | Customized Energy Solutions (CES) | | Via Teleconference | |
| Anderson, Lyrae | Akuo Energy | | Via Teleconference | |
| Arnett, Rick |  | | Via Teleconference | |
| Ashley, Kristy | CES | | Via Teleconference | |
| Aus, Fred |  | | Via Teleconference | |
| Balli, Kelli |  | | Via Teleconference | |
| Bansal, Apoorva | NextEra Energy | | Via Teleconference | |
| Barati, Camron | Potomac Economics | | Via Teleconference | |
| Barry, Frank | Jupiter Power | |  | |
| Beckman, Kara | NextEra Energy | | Via Teleconference | |
| Benson, Mariah | Texas Public Power Association (TPPA) | | Via Teleconference | |
| Berry, Danny | LCRA | | Via Teleconference | |
| Bertin, Suzanne |  | | Via Teleconference | |
| Bezwada, Neelima | Potomac Economics | | Via Teleconference | |
| Binda Pereira, Mariana | GE | | Via Teleconference | |
| Bivens, Carrie | NextEra Energy | |  | |
| Blankenship, David | CNP | | Via Teleconference | |
| Block, Laurie | L Block Consulting, LLC | | Via Teleconference | |
| Boggs, Callie | Eric Winters Goff, LLC | | Via Teleconference | |
| Brown, Chris | PUCT | | Via Teleconference | |
| Bunch, Kevin | EDF Trading | | Via Teleconference | |
| Burkhead, Brett | Calpine | | Via Teleconference | |
| Carter, Cathey | GridAxon | | Via Teleconference | |
| Chen, Vanessa | Enel | | Via Teleconference | |
| Cheng, Yong | LCRA | | Via Teleconference | |
| Chmiel, Gary | GE | | Via Teleconference | |
| Coffee, Jennifer | Texas Pipelines | | Via Teleconference | |
| Coleman, Diana | CPS Energy | |  | |
| Cortez, Sarai | Trailstone | | Via Teleconference | |
| Cripe, Ramsey | SEnergy | | Via Teleconference | |
| Curtin, Jim |  | | Via Teleconference | |
| DeLeon, Seth | DME | | Via Teleconference | |
| Dennison, Michael | Redeux Energy | | Via Teleconference | |
| Dernulc, Lawrence | Invenergy | | Via Teleconference | |
| Detelich, David | CPS | | Via Teleconference | |
| Dietert, Cole | EPE Consulting | | Via Teleconference | |
| Donohoo, Ken | OwlERC | | Via Teleconference | |
| Easton, Angela | NextEra Energy | | Via Teleconference | |
| Embrey, Tammy | Invenergy | | Via Teleconference | |
| Escala Roque, Carlos | NextEra Energy | | Via Teleconference | |
| Feitshans, Charles | TC Energy | | Via Teleconference | |
| Fleming, Jacki | Talen Energy | | Via Teleconference | |
| Franchetti, Peter | Morgan Stanley | | Via Teleconference | |
| Ghoshal, Orijit | esVolta | | Via Teleconference | |
| Gietl, Tim |  | | Via Teleconference | |
| Gilman, Portia | Yes Energy | | Via Teleconference | |
| Goff, Eric | NextEra Energy Resources | |  | |
| Griffith, Scott | Deriva Energy | | Via Teleconference | |
| Gupta, Shaleen | Tomorrow Energy | | Via Teleconference | |
| Hale, Josh | Southern Power | | Via Teleconference | |
| Hall, Matthew | Invenergy | | Via Teleconference | |
| Hamer, Neal | Invenergy | | Via Teleconference | |
| Harvey, Julia | Texas Electric Cooperatives (TEC) | | Via Teleconference | |
| Heath, Mattie | Calpine | | Via Teleconference | |
| Hedrick, Bridget | CES | | Via Teleconference | |
| Henderson, Robert | Invenergy | | Via Teleconference | |
| Hernandez, Jessica | CNP | | Via Teleconference | |
| Hennings, Peter |  | | Via Teleconference | |
| Henson, Martha | Oncor | | Via Teleconference | |
| Hering, David | BTU | | Via Teleconference | |
| Hillenburg, Amy | Skyline Renewables | | Via Teleconference | |
| Hjaltman, Courtney | OPUC | | Via Teleconference | |
| Horstmyer, Reid | Altop Energy | | Via Teleconference | |
| Hubbard, John Russ | Texas Industrial Energy Consumers (TIEC) | |  | |
| Hughes, Lindsey |  | | Via Teleconference | |
| Ingraham, Deborah | Acciona | | Via Teleconference | |
| Jamar, Ben | ECI | | Via Teleconference | |
| Jha, Monica | Vistra | | Via Teleconference | |
| Jih, Sara | Skyline Renewables | | Via Teleconference | |
| Johnson, John | EDF Trading | |  | |
| Johnson, Shannon | PEC | | Via Teleconference | |
| Jones, Liz | Oncor | | Via Teleconference | |
| Jones, Randy | Mountaineer Market Advisors | | Via Teleconference | |
| Júlia, Ana |  | | Via Teleconference | |
| Leverett, Travis | WETT | | Via Teleconference | |
| Lin, Blake | Potomac Economics | | Via Teleconference | |
| Loarie Jessica | Invenergy | | Via Teleconference | |
| Love, Beverly | Eric Winters Goff, LLC | |  | |
| Luukkonen, Paul | Enbridge | | Via Teleconference | |
| Jewell, Michael | Jewell and Associates | | Via Teleconference | |
| Johnson, Shannon | PEC | | Via Teleconference | |
| Keller, Jenna | Potomac Economics | | Via Teleconference | |
| King, Tobert | Good Company Associates | | Via Teleconference | |
| Kilroy, Taylor | TPPA | | Via Teleconference | |
| Kimbrough, Mandy | NRG | | Via Teleconference | |
| Kimbrough, Todd |  | | Via Teleconference | |
| Koz, Brian |  | | Via Teleconference | |
| Kremling, Barry | GVEC | | Via Teleconference | |
| Kunkel, Dennis | AEP | | Via Teleconference | |
| Lasher, Warren | Lasher Consulting | | Via Teleconference | |
| Lin, Blake | Potomac Economics | | Via Teleconference | |
| Little, Catherine | Got Rhythm | | Via Teleconference | |
| Lotter, Eric | GridMonitor | | Via Teleconference | |
| Luckey, Nicole | Invenergy | | Via Teleconference | |
| Luukkonen, Paul | Enbridge | | Via Teleconference | |
| Macaraeg, Tad | Stem | |  | |
| Maxymillian, Kris | Morgan Lewis | | Via Teleconference | |
| McCamant, Frank | McCamant Consulting | |  | |
| McClellan, Suzi | Good Company Associates | | Via Teleconference | |
| McKeever, Debbie | Oncor | | Via Teleconference | |
| McMurray, Creighton |  | | Via Teleconference | |
| McWyman, Constance | AEP | | Via Teleconference | |
| Mclaurin, Zachary | NextEra Energy | | Via Teleconference | |
| Melaerts, Sebastien | 61 Commodities | | Via Teleconference | |
| Miller, Alex | EDF Renewables | | Via Teleconference | |
| Mitasev, Alex | Avangrid | | Via Teleconference | |
| Moore, Sylvain | Boralex, Inc. | | Via Teleconference | |
| Mulholland, Chad | NRG Energy | | Via Teleconference | |
| Muller, Hannah | Clearway Energy | | Via Teleconference | |
| Musher, Danny | Key Capture Energy | | Via Teleconference | |
| Nease, Nelson | Cross Oak Group | | Via Teleconference | |
| Nicholson, Tyler | PUCT | | Via Teleconference | |
| Nigro, Andrew | Invenergy | | Via Teleconference | |
| Nguyen, Andy | Constellation Energy Generation | | Via Teleconference | |
| Okoro, Ikenna |  | | Via Teleconference | |
| Oliver, Jon | PUCT | | Via Teleconference | |
| Orr, Matt | Oncor | | Via Teleconference | |
| Orr, Rob | Lone Star Transmission | | Via Teleconference | |
| Osborne, Kim | Avangrid | | Via Teleconference | |
| Pappu, Aja | Invenergy | | Via Teleconference | |
| Pearson, Kelsey | Longhorn Power | | Via Teleconference | |
| Petäjäsoja, Ida | Stem | | Via Teleconference | |
| Pfefferle, Ryan | Occidental Chemical | | Via Teleconference | |
| Plautz, Jason | E & E News | | Via Teleconference | |
| Pyka, Greg | SEnergy | | Via Teleconference | |
| Quint, Ryan | Elevate Energy | | Via Teleconference | |
| Quezada, Robert | ACES | | Via Teleconference | |
| Ramaswamy, Ramya | PUCT | | Via Teleconference | |
| Ratliff, Shannon |  | | Via Teleconference | |
| Reasor, Deidra | GVEC | |  | |
| Reed, Cyrus | Sierra Club | | Via Teleconference | |
| Reed, Ronald | CNP | | Via Teleconference | |
| Rich, Katie | Vistra | |  | |
| Richmond, Michele | Texas Competitive Power Advocates (TCPA) | | Via Teleconference | |
| Riley, Owen | Spearmint Energy | | Via Teleconference | |
| Ritch, John | Trafigura | | Via Teleconference | |
| Orchards, Pierre |  | | Via Teleconference | |
| Roth, Werner | PUCT | | Via Teleconference | |
| Sager, Brenden | Austin Energy | | Via Teleconference | |
| Salazar, Victor | Haynes Boone | | Via Teleconference | |
| Schatz, John | Luminant Generation | | Via Teleconference | |
| Schwarz, Brad | Sharyland | |  | |
| Scott, Kathy | CNP | |  | |
| Sersen, Juliana | Baker Botts | |  | |
| Shaffer, Jarred | Office of Texas Governor Greg Abbott | | Via Teleconference | |
| Sharma Frank, Arushi | Tesla | | Via Teleconference | |
| Sickafoose, Lauren | EDF Energy | | Via Teleconference | |
| Siddiqi, Shams | Crescent Power Consulting | | Via Teleconference | |
| Sisk, Linden | IEEE | | Via Teleconference | |
| Slaughter, Jeff | Just Energy | | Via Teleconference | |
| Smith, Chase | Southern Power | | Via Teleconference | |
| Smith, Mark | CMC Steel Mills | | Via Teleconference | |
| Smith, Stephanie | Eolian | | Via Teleconference | |
| Snyder, Bill | AEP Texas | | Via Teleconference | |
| Sobrino, Andres | Oxy | | Via Teleconference | |
| Spencer, Mark | LS Power | | Via Teleconference | |
| Stanfill, Susan | PGR | | Via Teleconference | |
| Stephenson, Zach | TEC | | Via Teleconference | |
| Tay, Sing | AES | | Via Teleconference | |
| Teng, Shuye | Constellation | | Via Teleconference | |
| Thompson, Jason |  | | Via Teleconference | |
| Thompson, Marie | Southern Power | | Via Teleconference | |
| Tomaino, Christian | Tenaska | | Via Teleconference | |
| Townsend, Paul | TCPA | | Via Teleconference | |
| True, Roy | ACES | | Via Teleconference | |
| Uy, Manny | Hunt Energy | | Via Teleconference | |
| Valencia, Stacey | Enervision | | Via Teleconference | |
| Van Winkle, Kim | PUCT | | Via Teleconference | |
| Velasquez, Ivan | Oncor | | Via Teleconference | |
| Vermillion, Brandt | Modo Energy | | Via Teleconference | |
| Walker, Floyd | PUCT | | Via Teleconference | |
| Wang, Shawn | Enel | | Via Teleconference | |
| Webking, Cathy |  | | Via Teleconference | |
| White, Lauri | AEP Texas | | Via Teleconference | |
| Williams, Mark |  | | Via Teleconference | |
| Williams, Rhiannon | GVEC | | Via Teleconference | |
| Williams, Wes | Bryan Texas Utilities | | Via Teleconference | |
| Wittmeyer, Bob | Longhorn Power | |  | |
| Wu, Tiffany | TEPRI | | Via Teleconference | |
| Xiao, Hong | Energy Exemplar | | Via Teleconference | |
| Xie, Fei | Austin Energy | | Via Teleconference | |
| Younger, Joseph | Texas Reliability Entity (Texas RE) | | Via Teleconference | |
| Zachary, Brad | Got Rhythm | | Via Teleconference | |
| Zambrano, Tadeo | SEnergy | | Via Teleconference | |
| Zang, Bryan | Potomac Economics | | Via Teleconference | |
| Zang, Hailing | TC Energy | | Via Teleconference | |
| Zito, David | Gabel Associates | | Via Teleconference | |
|  | |  | |  |
| *ERCOT Staff:* | |  | |  |
| Abbott, Kristin | |  | | Via Teleconference |
| Albracht, Brittney | |  | |  |
| Anderson, Troy | |  | |  |
| Arth, Matt | |  | | Via Teleconference |
| Azeredo, Chris | |  | | Via Teleconference |
| Badri, Sreenivas | |  | | Via Teleconference |
| Benavides, Marcos | |  | | Via Teleconference |
| Bigbee, Nathan | |  | | Via Teleconference |
| Billo, Jeff | |  | |  |
| Boren, Ann | |  | |  |
| Carswell, Cory | |  | | Via Teleconference |
| Castillo, Leo | |  | | Via Teleconference |
| Clifton, Suzy | |  | |  |
| Cyphers, Darrell | |  | | Via Teleconference |
| Dashnyam, Sanchir | |  | | Via Teleconference |
| Davis, Samara | |  | | Via Teleconference |
| Day, Betty | |  | | Via Teleconference |
| Du, Pengwei | |  | | Via Teleconference |
| Gallo, Andrew | |  | |  |
| Garcia, Freddy | |  | | Via Teleconference |
| Gravois, Patrick | |  | | Via Teleconference |
| Guiyab, Rochie | |  | | Via Teleconference |
| Hanson, Pamela | |  | |  |
| Heinrich, Holly | |  | | Via Teleconference |
| Herrera, Shane | |  | | Via Teleconference |
| Hinojosa, Luis | |  | | Via Teleconference |
| Hobbs, Kristi | |  | | Via Teleconference |
| Huang, Fred | |  | | Via Teleconference |
| Jenkins, Darrell | |  | | Via Teleconference |
| Khodabakhsh, Fred | |  | | Via Teleconference |
| King, Ryan | |  | |  |
| Lee, Raymund | |  | | Via Teleconference |
| Levine, Jonathan | |  | |  |
| Luker, Bryan | |  | | Via Teleconference |
| Madam, Vamsi | |  | | Via Teleconference |
| Maggio, Dave | |  | | Via Teleconference |
| Mago, Nitika | |  | | Via Teleconference |
| Matlock, Robert | |  | | Via Teleconference |
| McGuire, Joshua | |  | | Via Teleconference |
| Mereness, Matt | |  | |  |
| Michelsen, Dave | |  | | Via Teleconference |
| Miller, Megan | |  | | Via Teleconference |
| Moreno, Alfredo | |  | | Via Teleconference |
| Ögelman, Kenan | |  | |  |
| Penders, Christy | |  | | Via Teleconference |
| Phillips, Cory | |  | |  |
| Rainwater, Kim | |  | |  |
| Ramthun, Eli | |  | | Via Teleconference |
| Rosel, Austin | |  | |  |
| Sanchez, Daniel | |  | | Via Teleconference |
| Schmidt, Matthew | |  | | Via Teleconference |
| Shanks, Magie | |  | | Via Teleconference |
| Smith, Ira | |  | | Via Teleconference |
| Solis, Stephen | |  | |  |
| Thompson, Chad | |  | | Via Teleconference |
| Wasik-Gutierrez, Erin | |  | |  |
| Woodfin, Dan | |  | |  |
| Young, Matt | |  | |  |
| Zerwas, Rebecca | |  | |  |
| Zhou, Emily | |  | | Via Teleconference |

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

Caitlin Smith called the March 27, 2024 meeting to order at 9:30 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.

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

*February 14, 2024*

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

Meeting Updates

*February 26, 2024 Committee Meetings*

*February 27, 2024 ERCOT Board (Board) Meeting*

Ms. Smith presented highlights of the February 26, 2024 ERCOT Board (Board) Committee meetings and February 27, 2024 Board meeting.

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, IMM Opinions, Credit Finance Subgroup (CFSG) Review, budgetary impacts, and reasons for revisions 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.

*Nodal Protocol Revision Request (NPRR) 1197, Optional Exclusion of Load from Netting at ERCOT-Polled Settlement (EPS) Metering Facilities which Include Resources*

Market Participants reviewed NPRR1197. Lucas Turner reiterated South Texas Electric Cooperative’s (STEC’s) concern that NPRR1197 codifies into the Protocols the metering situation they’d attempted to prohibit in the recently rejected NPRR1194, Wholesale Storage Load Auxiliary Netting.

**Richard Ross moved to recommend approval of NPRR1197 as recommended by PRS in the 3/20/24 PRS Report. Jennifer Schmitt seconded the motion. The motion carried with one abstention from the Cooperative (STEC) Market Segment.** *(Please see ballot posted with Key Documents.)*

*NPRR1205, Revisions to Credit Qualification Requirements of Banks and Insurance Companies*

Market Participants reviewed the 3/27/24 Revised Impact Analysis and the Justification of Reason for Revision and Market Impacts for NPRR1205. Ms. Smith noted this item could be considered in the [Combined Ballot](#Combined_Ballot).

Revision Requests Tabled at TAC (See Key Documents)

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

*OBDRR051, Related to NPRR1216, Implementation of Emergency Pricing Program*

*Planning Guide Revision Request (PGRR) 105, Deliverability Criteria for DC Tie Imports*

TAC took no action on these items.

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

Ms. Smith summarized NOGRR245 discussion at the February 14, 2024 TAC meeting. Stephen Solis reviewed NOGRR245 and the 3/20/24 ERCOT comments, summarized the updated timeline and next steps, responded to Market Participant questions and concerns, and presented the ERCOT recommendation for TAC consideration. Eric Goff, Chase Smith, and Juliana Sersen summarized the 3/22/24 Joint Commenters 2 comments and responded to Market Participant questions and concerns. Market Participants debated the merits of the 3/20/24 ERCOT comments versus the 3/22/24 Joint Commenters 2 comments. Proponents of the 3/20/24 ERCOT comments reiterated concerns that the 3/22/24 Joint Commenters 2 comments fall short of addressing the reliability risk associated with IBRs failing to ride through system disturbances and highlighted potential consequences including uncontrolled Outages up to potential system-wide Blackouts and increased costs to Customers. Proponents of the 3/22/24 Joint Commenters 2 comments expressed concern that the 3/20/24 ERCOT comments would negatively affect investor confidence in the ERCOT Region and emphasized that the 3/22/24 Joint Commenters 2 comments provide a more balanced approach and promote investor confidence while protecting reliability.

**Mr. Ross moved to recommend approval of NOGRR245 as recommended by ROS in the 9/14/23 ROS Report as amended by the 3/20/24 ERCOT comments. Jim Lee seconded the motion.**

**Bob Helton moved to amend the main motion to recommend approval of NOGRR245 as recommended by ROS in the 9/14/23 ROS Report as amended by the 3/22/24 Joint Commenters 2 comments. Chris Hendrix seconded the motion. The motion to amend the main motion failed with 11 objections from the Cooperative (4) (GSEC, LCRA, PEC, STEC), Independent Retail Electric Provider (IREP) (3) (Reliant, Rhythm Ops, APG&E), and Investor Owned Utility (IOU) (4) (TNMP, CNP, Oncor, AEPSC) Market Segments, and three abstentions from the Consumer (2) (OPUC, Residential) and Municipal (GP&L) Market Segments.** *(Please see ballot posted with Key Documents.)*

**The original motion to recommend approval of NOGRR245 as recommended by ROS in the 9/14/23 ROS Report as amended by the 3/20/24 ERCOT comments failed with 15 objections from the Consumer (4) (CMC Steel, Lyondell Chemical, City of Eastland, City of Dallas), Independent Generator (3) (Jupiter Power, ENGIE, Luminant), Independent Power Marketer (IPM) (4) (DC Energy, Tenaska, Morgan Stanley, SENA), IREP (Demand Control 2), and Municipal (3) (DME, CPS Energy, Austin Energy) Market Segments, and three abstentions from the Consumer (2) (OPUC, Residential) and Municipal (GP&L) Market Segments.** *(Please see ballot posted with Key Documents.)*

**Mr. Helton moved to recommend approval of NOGRR245 as recommended by ROS in the 9/14/23 ROS Report as amended by the 3/22/24 Joint Commentors 2 comments. David Kee seconded the motion. The motion failed with 8 objections from the Cooperative (4) (GSEC, LCRA, PEC, STEC), and IOU (4) (TNMP, CNP, Oncor, AEPSC) Market Segments and six abstentions from the Consumer (2) (OPUC, Residential), IREP (3) (Reliant, Rhythm Ops, APG&E), and Municipal (GP&L) Market Segments.** *(Please see ballot posted with Key Documents.)*

After discussion to address additional concerns, clarifications were incorporated revising Section 2.14, Actions Following an Apparent Failure to Ride-through, in the 3/22/24 Joint Commenters 2 comments that would require ERCOT approval as a condition for allowing existing IBR, Type 1 and Type 2 Wind-powered Generation Resource (WGR) replacements and modifications that would reduce capability, or reductions in capability without a documented, limited exemption to the applicable requirements.

**Mr. Helton moved to recommend approval of NOGRR245 as recommended by ROS in the 9/14/23 ROS Report as amended by the 3/22/24 Joint Commentors 2 comments as revised by TAC. Mr. Kee seconded the motion. The motion carried with 8 objections from the Cooperative (4) (GSEC, LCRA, PEC, STEC) and IOU (4) (TNMP, CNP, Oncor, AEPSC) Market Segments and 3 abstentions from the Consumer (2) (OPUC, Residential) and Independent Generator (Calpine) Market Segments.** *(Please see ballot posted with Key Documents.)*

Retail Market Subcommittee (RMS) Report (See Key Documents)

*RMS Goals*

John Schatz reviewed RMS activities and presented a Revision Request and 2024 RMS Goals for TAC consideration.

*Retail Market Guide Revision Request (RMGRR) 177, Switch Hold Removal Clarification*

**Mr. Lee moved to recommend approval of RMGRR177 as recommended by RMS in the 3/5/24 RMS Report. Bill Barnes seconded the motion. The motion carried with two abstentions from the Consumer (2) (OPUC, Residential) Market Segment.** *(Please see ballot posted with Key Documents.)*

*RMS Goals*

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

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

Katie Rich reviewed ROS activities and presented a Revision Request and 2024 ROS Goals for TAC consideration.

*NOGRR255, High Resolution Data Requirements*

Ned Bonskowski reviewed the 3/22/24 Luminant comments to NOGRR255. Mr. Solis reviewed the 3/26/24 ERCOT comment to NOGRR255.

**Mr. Bonskowski moved to recommend approval of NOGRR255 as recommended by ROS in the 3/7/24 ROS report as amended by the 3/22/24 Luminant comments. Mr. Barnes seconded the motion.** Some participants expressed concern that language bifurcating IBR and non-IBR requirements should be further clarified and requested TAC table NOGRR255 for additional comments. **Mr. Bonskowski withdrew his motion.** Ms. Smith noted that the motion to table NOGRR2255 could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

*ROS Goals*

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

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

*WMS Goals*

Eric Blakey reviewed WMS activities and presented 2024 WMS Goals for TAC consideration. Ms. Smith noted this item could be considered for inclusion in the [Combined Ballot](#Combined_Ballot).

CFSG Report (see Key Documents)

Brenden Sager reviewed CFSG activities.

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

Matt Mereness reviewed RTCBTF activities, including current issues and next steps. Mr. Mereness encouraged Market Participants to attend the April 10, 2024 RTCBTF meeting to further discuss the issues.

ERCOT Reports (see Key Documents)

*Potential Price Corrections*

*Jan. ‘24 - Incorrect Ratings Impacting the Real-Time and Day-Ahead Markets*

Matt Young summarized the defect in the ERCOT Energy Management System (EMS) that impacted both the Real-Time Market (RTM) and Day-Ahead Market (DAM); stated that on January 30, 2024, ERCOT implemented a fix to ensure correct static ratings in EMS; and noted that ERCOT issued Market Notices. Mr. Young presented the analysis of price and Settlement impacts. Mr. Young stated that potential price corrections will be considered at the Reliability and Market Committee meeting on April 22, 2024, and the Board meeting on April 23, 2024.

*Feb. 28 ’24 – Incorrect GTC Shift Factors Impacting the Real-Time Market*

Mr. Young summarized the GTC issue in EMS that impacted the RTM, noted that ERCOT issued an

Operations Notice on March 1, 2024 and Market Notice on March 18, 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 April 22, 2024, and the Board meeting on April 23, 2024.

*Update on 2023 Maximum Daily Resource Planned Outage Capacity (MDRPOC) Performance and Methodology Review Timeline*

Ms. Smith noted the presentation was posted and stated that this item is deferred to the April 15, 2024 TAC meeting.

Other Business (see Key Documents)

*ERCOT Board/Stakeholder Engagement Update*

Rebecca Zerwas provided an update on the February 27, 2024 ERCOT Board and TAC representatives engagement sessions and encouraged interested parties to respond to the participation surveys by March 29, 2024.

*Proposed revisions to Board Policies and Procedures*

Ms. Smith encouraged Market Participants to review the posted proposed revisions to the Board Policies and Procedures and forward any questions or concerns to Kim Rainwater, ERCOT Legal, prior to the April 15, 2024 TAC meeting.

*Timely Submission of Materials for Stakeholder Review*

Ms. Smith encouraged TAC subcommittees, task forces and subgroup, and ERCOT staff and commenters to provide timely submission of materials for stakeholder review seven days in advance of the TAC meetings.

*Notification of Suspension of Operations (NSO) and Reliability Must-Run (RMR) Process*

Kenan Ögelman reviewed the process for ERCOT to consider if an RMR or Must-Run Alternative (MRA) is needed after an NSO is received, noted the requirements are codified in the Protocols, highlighted next steps, and responded to Market Participants questions and concerns.

*NPRR1224, ECRS Manual Deployment Triggers*

Jeff Billo announced NPRR1224, noted concepts were discussed at the 2024 Ancillary Services Methodology – Review on ERCOT Contingency Reserve Service (ECRS) Minimum Quantity Determination and Deployment Workshop on March 19, 2024, reviewed the Revision Request timeline, stated that ERCOT would be requesting Urgent status for potential implementation by summer 2024, and encouraged Market Participants to attend the April 3, 2024 WMS meeting, April 4, 2024 ROS meeting and April 5, 2024 PRS meeting to further discuss the issues.

Combined Ballot

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

* **To approve the February 14, 2024 meeting minutes as presented**
* **To recommend approval of NPRR1205 as recommended by PRS in the 3/20/24 PRS Report; and the 3/26/24 Revised Impact Analysis**
* **To approve the 2024 RMS Goals as presented**
* **To table NOGRR255**
* **To approve the 2024 ROS Goals as presented**
* **To approve the 2024 WMS Goals as presented**

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

Ms. Smith adjourned the March 27, 2024 TAC meeting at 2:50 p.m.

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

   <https://www.ercot.com/calendar/03272024-TAC-Meeting> [↑](#footnote-ref-2)