**DRAFT**

**Minutes of the Special Technical Advisory Committee (TAC) Meeting – Webex Only**

**Friday, May 31, 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) | | |  | | | |
| Campo, Curtis | Garland Power and Light (GP&L) | | | Alt. Rep. for Russell Franklin | | | |
| Carpenter, Jeremy | Tenaska Power Services (Tenaska) | | |  | | | |
| Coleman, Diana | CPS Energy | | | Alt. Rep. for David Kee | | | |
| Dreyfus, Mark | City of Eastland | | |  | | | |
| Gaytan, Jose | Denton Municipal Electric (DME) | | |  | | | |
| Goff, Eric | Residential Consumer | | |  | | | |
| Haley, Ian | Morgan Stanley | | |  | | | |
| Hanson, Kevin | National Grid (NG) Renewables | | |  | | | |
| Harpole, Jay | AP Gas & Electric (APG&E) | | |  | | | |
| Helton, Bob | ENGIE North America (ENGIE) | | |  | | | |
| Hendrix, Chris | Demand Control 2 | | |  | | | |
| Holt, Blake | Lower Colorado River Authority (LCRA) | | |  | | | |
| Kent, Garret | CMC Steel Texas (CMC Steel) | | |  | | | |
| Martin, Collin | Oncor Electric Delivery (Oncor) | | |  | | | |
| Mercado, David | CenterPoint (CNP) | | |  | | | |
| Nix, Keith | Texas-New Mexico Power Company (TNMP) | | |  | | | |
| Packard, John | South Texas Electric Cooperative (STEC) | | |  | | | |
| Ross, Richard | AEP Service Corporation (AEPSC) | | |  | | | |
| Sams, Bryan | Calpine Corporation (Calpine) | | |  | | | |
| Schubert, Eric | Lyondell Chemical | | |  | | | |
| Smith, Caitlin | Jupiter Power | | |  | | | |
| Surendran, Resmi | Shell Energy North America (SENA) | | |  | | | |
| Thomas, Shane | SENA | | | Alt. Rep. for Resmi Surendran | | | |
| Wise, Mike | Golden Spread Electric Cooperative (GSEC) | | |  | | | |
|  | | |  | |  | |
|  | |  | | |  | |

The following proxies were assigned:

* Nabaraj Pokharel to Eric Goff except for NOGRR245
* Nabaraj Pokharel to Mark Dreyfus for NOGRR245 Only
* Eric Goff to Mark Dreyfus for NOGRR245 Only
* Alicia Loving to Diana Coleman

*Guests:*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Allen, Thresa | Avangrid Renewables | |  | |
| Amirazodi, Roozbeh | Got Rhythm | |  | |
| Anderson, Connor | AB Power Advisors | |  | |
| Anderson, Lyrae | Akuo Energy | |  | |
| Andrus, Sydney | PGR | |  | |
| Archambault, Miah | Enel | |  | |
| Ashley, Kristy | CES | |  | |
| Azari, David | Invenergy | |  | |
| Beckman, Kara | NextEra Energy | |  | |
| Benson, Mariah | Texas Public Power Association (TPPA) | |  | |
| Berry, Danny | LCRA | |  | |
| Bertin, Suzanne |  | |  | |
| Bevill, Rob | TNMP | |  | |
| Bezwada, Neelima | Potomac Economics | |  | |
| Bisgard, Anders | Avangrid Renewables | |  | |
| Bivens, Carrie | NextEra Energy | |  | |
| Blackburn, Don | Hunt Energy Network | |  | |
| Bonner, Bob | Satoshi Energy | |  | |
| Brown, Chris | PUCT | |  | |
| Bunch, Kevin | EDF Trading | |  | |
| Callahan, Hunter | BOFA | |  | |
| Chwialkowski, Todd | EDF Renewables | |  | |
| Clark, Jack | Spearmint Energy | |  | |
| Cockrell, Justin | DC Energy | |  | |
| Cook, Kristin | Southern Power | |  | |
| Cortez, Sarai | Trailstone | |  | |
| Cox, Jason | EQ Energy Advisors | |  | |
| Davis, Derrick | Texas Reliability Entity (Texas RE) | |  | |
| Dernulc, Lawrence | Invenergy | |  | |
| Detelich, David | CPS Energy | |  | |
| Dharme, Neeraja | EDFT | |  | |
| Dietert, Cole | EPE Consulting | |  | |
| Donohoo, Ken | OwlERC | |  | |
| Downy, Marty | Luminant | |  | |
| Easton, Angela | NextEra Energy | |  | |
| Egunjobi, Ransome | Enel | |  | |
| Elnozahy, Mohamed | ISEO | |  | |
| George, Ian |  | |  | |
| Glenn, David | Avangrid Renewables | |  | |
| Goff, Eric | NextEra Energy Resources/Joint Commentors 2 NOGRR245 Discussion Only | |  | |
| Greaff, Venona | Occidental Chemical | |  | |
| Griffiths, Meghan | Jackson Walker | |  | |
| Guo, Chenyan | NextEra Energy | |  | |
| Hale, Josh | Southern Power | |  | |
| Hall, Matthew | Invenergy | |  | |
| Harvey, Julia | Texas Electric Cooperatives (TEC) | |  | |
| Hassan, Imran |  | |  | |
| Heck, Prudence | Spearmint Energy | |  | |
| Henderson, Robert | Invenergy | |  | |
| Henry, Mark | Texas RE | |  | |
| Henson, Martha | Oncor | |  | |
| Hjaltman, Courtney | Office of Public Utility Counsel (OPUC) | |  | |
| Hughes, Lindsey | ENGIE | |  | |
| Hunter, Don | MISO Energy | |  | |
| Huynh, Thuy | Potomac Economics | |  | |
| Ingraham, Deborah | Acciona Energy | |  | |
| Inman, Grant | BP | |  | |
| Jewell, Michael | Jewell and Associates | |  | |
| Johnson, Garrett | Avangrid Renewables | |  | |
| Johnson, Natalie | Enel | |  | |
| Kaepplinger, Ashley | Enel | |  | |
| Keefer, Andrew | DME | |  | |
| Keen, Chris | Granicus | |  | |
| Keller, Jenna | Potomac Economics | |  | |
| Kemper, Jason | EDFR | |  | |
| Khatib, Mohamed El | Invenergy | |  | |
| Kilroy, Taylor | TPPA | |  | |
| Kimbrough, Todd | Southern Power | |  | |
| Kleckner, Tom | RTO Insider | |  | |
| Kunkel, Dennis | AEP | |  | |
| Lauer, Hannah Simon | Avangrid Renewables | |  | |
| Lasher, Warren | Lasher Energy | |  | |
| Lee, Jim | CNP | |  | |
| Loarie, Jessica | Invenergy | |  | |
| Loew, Beverly | Goff Policy | |  | |
| Lotter, Eric | Grid Monitor | |  | |
| Luckey, Nicole | Invenergy | |  | |
| Lynn, William |  | |  | |
| Martino, Omar | Invenergy | |  | |
| McClellan, Suzi | Good Company Associates | |  | |
| McMurray, Creighton | Spencer Fane | |  | |
| Messer, Judd | Power Alliance | |  | |
| Mindham, David | EDP | |  | |
| Miremadi, Ali | CAISO | |  | |
| Mitasev, Alex | Avangrid Renewables | |  | |
| Mohammed, Tim |  | |  | |
| Moore, Sylvain | Boralex, Inc. | |  | |
| Muller, Hannah | Clearway Renew | |  | |
| Nigro, Andrew | Invenergy | |  | |
| Nguyen, Andy | Constellation Energy Generation | |  | |
| Oliver, Jon | PUCT | |  | |
| Orr, Rob | Lone Star Transmission | |  | |
| Palani, Ananth | GP&L | |  | |
| Patel, Shodhan | Constellation | |  | |
| Pawa, Aasawari | Ørsted | |  | |
| Pearson, Kelsey | Longhorn Power | |  | |
| Penney, David | Texas RE | |  | |
| Ramsey, Sam | Clean Power | |  | |
| Reasor, Deidra | GVEC | |  | |
| Reedy, Steve | CIM View Consulting | |  | |
| Rich, Katie | Luminant | |  | |
| Richmond, Michele | Texas Competitive Power Advocates (TCPA) | |  | |
| Rochelle, Jennifer | CES | |  | |
| Rogers, Donald | Avangrid | |  | |
| Rogers, Josh | Clean Power | |  | |
| Ryall, Jean |  | |  | |
| Safko, Trevor | LCRA | |  | |
| Scott, Kathy | CNP | |  | |
| Sersen, Juliana | Baker Botts | |  | |
| Shaffer, Jarred | Office of Texas Governor Greg Abbott | |  | |
| Sickafoose, Lauren | EDF Energy | |  | |
| Siddiqi, Shams | Crescent Power Consulting | |  | |
| Sirhan, Andre |  | |  | |
| Smith, Chase | Southern Power | |  | |
| Spencer, Mark | Linebacker Power | |  | |
| Stephenson, Zach | TEC | |  | |
| Tay, Sing | AES | |  | |
| Teng, Shuye | Constellation | |  | |
| Thompson, Marie | Southern Power | |  | |
| Turner, Lucas | STEC | |  | |
| Utomi, Samuel | Leeward Energy | |  | |
| Velasquez, Ivan | Oncor | |  | |
| Wagner, Julia | PUCT | |  | |
| Walker, Floyd | PUCT | |  | |
| Webking, Cathy | Spencer Fane | |  | |
| Weimer, Ben | Constellation | |  | |
| Williams, Wes | Bryan Texas Utilities | |  | |
| Wilson, Frank | NEC | |  | |
| Wittmeyer, Bob | Longhorn Power | |  | |
| Wright, Chris | Spearmint Energy | |  | |
| Yancy, Billy | EPE Consulting | |  | |
| Young, Charles |  | |  | |
| Younger, Joseph | Texas RE | |  | |
| Zang, Hailing | Potomac Economics | |  | |
| Zito, David | Gabel Associates | |  | |
|  | |  | |  |
| *ERCOT Staff:* | |  | |  |
| Albracht, Brittney | |  | |  |
| Anderson, Troy | |  | |  |
| Azeredo, Chris | |  | |  |
| Boren, Ann | |  | |  |
| Clifton, Suzy | |  | |  |
| Cyphers, Darrell | |  | |  |
| Dashnyam, Sanchir | |  | |  |
| Devadhas Mohanadha, Thinesh | |  | |  |
| Drake, Gordon | |  | |  |
| Dwyer, Davida | |  | |  |
| Garcia, Freddy | |  | |  |
| Hanson, Pamela | |  | |  |
| Hernandez, Jose | |  | |  |
| Herrera, Shane | |  | |  |
| King, Ryan | |  | |  |
| Levine, Jon | |  | |  |
| Maggio, Dave | |  | |  |
| Miller, Megan | |  | |  |
| Moore, Ava | |  | |  |
| Phillips, Cory | |  | |  |
| Rainwater, Kim | |  | |  |
| Rickerson, Woody | |  | |  |
| Rosel, Austin | |  | |  |
| Schmall, John | |  | |  |
| Schmidt, Matthew | |  | |  |
| Seely, Chad | |  | |  |
| Smith, Ira | |  | |  |
| Thompson, Chad | |  | |  |
| Troublefield, Jordan | |  | |  |
| Wasik-Gutierrez, Erin | |  | |  |
| Woodfin, Dan | |  | |  |

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

Caitlin Smith called the May 31, 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.

Nodal Protocol Revision Request (NPRR) 1230, Methodology for Setting Transmission Shadow Price Caps for an IROL in SCED – URGENT (see Key Documents)[[1]](#footnote-2)

Dave Maggio reviewed the 5/29/24 ERCOT comments to NPRR1230, highlighting the changes proposed in those ERCOT comments based on Stakeholder feedback. Freddy Garcia reminded Market Participants of the purpose of NPRR1230 and ERCOTs’ desire to implement for Summer 2024, noting that in the alternative, ERCOT will continue to use High Dispatch Limit (HDL) overrides for Interconnection Reliability Operating Limits (IROLs) if needed. Some Market Participants expressed concern for cost impacts to Loads and requested additional analysis to support the methodology proposed. Mr. Garcia and Mr. Maggio responded to Market Participant questions and concerns, including stating that ERCOT will provide additional analysis in the future. Mr. Maggio noted this methodology, as a market-driven solution, is preferred, although it generally is higher cost than the current solution of using HDL overrides. Participants reviewed the Revision Request timeline, the proposed effective date, and requested additional time to review the issues. Ms. Smith noted this item would be considered at the June 24, 2024 TAC meeting.

Nodal Operating Guide Revision Request (NOGRR) 245, Inverter-Based Resource (IBR) Ride-Through Requirements (see Key Documents)

Ms. Smith reminded participants that the goal of the discussion on NOGRR245 was to continue efforts on developing draft concepts and potential areas of agreement to respond to the Board directives and have TAC consider NOGRR245 at the June 7, 2024 Special TAC meeting. Dan Woodfin highlighted the NOGRR245 discussion from the May 22, 2024 TAC meeting and presented updated ERCOT draft revisions to the proposed Operating Guide language in the 3/24/24 TAC Report. Eric Goff summarized the Joint Commenters 2 concepts related to units maximizing equipment capability. Participants debated maximizing equipment capability, the appropriate cost threshold or alternative mechanisms for considering ride-through exemptions, modeling issues, and effective dates, and discussed the idea of addressing the more contentious issues in a separate NOGRR. Participants expressed support for an approach that would have ERCOT draft and submit formal comments prior to the June 7, 2024 Special TAC meeting reflecting concepts generally agreed to. Mr. Goff noted that the Joint Commenters will likely submit comments after the ERCOT comments are submitted.

Other Business

There was no other business.

Ms. Smith adjourned the May 31, 2024 TAC meeting at 1:07 p.m.

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

   <https://www.ercot.com/calendar/05312024-Special-TAC-Meeting-_> [↑](#footnote-ref-2)