



GENERAL SESSION MINUTES OF THE BOARD OF DIRECTORS MEETING OF ELECTRIC RELIABILITY COUNCIL OF TEXAS, INC.

8000 Metropolis Drive (Building E), Suite 100, Boardroom B
Austin, Texas 78744
December 3, 2024

Pursuant to notice duly given, the meeting of the Board of Directors (Board) of Electric Reliability Council of Texas, Inc. (ERCOT) convened on the above-referenced date.

Meeting Attendance:

Board Members:

Director	Affiliation/Role (if any)	Voting Category
Aguilar, Carlos	N/A	Voting
Barkley, Ben	Office of Public Utility Counsel, Chief Executive and Public Counsel	Voting
Capuano, Linda	N/A	Voting
Cobos, Lori	Public Utility Commission of Texas (PUCT, Commission), Commissioner	Non-Voting
England, Julie	N/A	Voting
Flores, Bill (Chair)	N/A	Voting
Gleeson, Thomas	PUCT Chair	Non-Voting
Heeg, Peggy (Vice Chair)	N/A	Voting
Swainson, John	N/A	Voting
Vegas, Pablo	ERCOT President and Chief Executive Officer (CEO)	Non-Voting

Officers and Guests:

Officer/Guest	Role
Bonser, Drew	ERCOT Director of Cyber Security
Boren, Ann	ERCOT Senior Manager of Market rules and Stakeholder Support
Coleman, Chris	ERCOT Supervisor of Operational Forecasting
Collins, Keith	ERCOT Vice President of Commercial Operations
Day, Betty	ERCOT Vice President of Security and Compliance and Chief Compliance Officer
Dwyer, Davida	ERCOT Senior Corporate Counsel
Hobbs, Kristi	ERCOT Vice President of System Planning and Weatherization



Hjaltman, Courtney	PUCT Commissioner
Jackson, Kathleen	PUCT Commissioner
Martinez, Adam	ERCOT Vice President of Enterprise Risk and Strategy
Parakkuth, Jayapal	ERCOT Senior Vice President and Chief Information Officer
Rainwater, Kim	ERCOT Senior Corporate Counsel
Rickerson, Woody	ERCOT Senior Vice President and Chief Operating Officer
Rychetsky, Penny	ERCOT Director of Internal Audit
Rydell, Brandt	ERCOT Assistant General Counsel
Scheel, Richard	ERCOT Senior Vice President, Chief Financial Officer, and Chief Risk Officer
Seely, Chad V.	ERCOT Senior Vice President, General Counsel, and Corporate Secretary
Smith, Caitlin	Jupiter Power LLC, Technical Advisory Committee (TAC) Chair
Spak, Mara	ERCOT Vice President of Human Resources
Woodfin, Dan	ERCOT Vice President of System Operations
Zerwas, Rebecca	ERCOT Director of State Policy and PUC Relations, Board Liaison

Call General Session to Order (Agenda Item 1)

Bill Flores, Board Chair, determined that a quorum was present and called the Board meeting to order at approximately 9:31 a.m. Chair Flores noted that the Board was without two voting Members, the vacant seat of Paul Foster since his resignation in June and the vacant seat of Bob Flexon since his recent resignation on December 1, 2024. Chair Flores announced the Governor had appointed Ben Barkley as the Chief Executive and Public Counsel of the Office of Public Utility Counsel (OPUC). Chair Flores welcomed Mr. Barkley, who was present.

Chair Flores recognized Thomas Gleeson, Chairman of the PUCT. Chair Gleeson called an Open Meeting of the Commission to order to consider matters that had been duly posted with the Texas Secretary of State for December 3, 2024.

Chair Flores highlighted the Antitrust Admonition and addressed the following Agenda Items in the order below.

Notice of Public Comment, if Any (Agenda Item 2)

Chair Flores announced that on the agenda for the meeting, which was posted publicly on November 22, 2024, ERCOT had provided instructions for members of the public who were interested in commenting in person and that to date no individuals had expressed interest in commenting, which Chad Seely confirmed.

Consent Agenda; Unopposed Revision Requests Recommended by TAC for Approval (Agenda Items 3 – 3.1.16)

Chair Flores removed from the Consent Agenda the following four Revision Requests:

- NPRR1246, Energy Storage Resource Terminology Alignment for the Single-Model Era;
- NOGRR268, Related to NPRR1246, Energy Storage Resource Terminology Alignment for the Single-Model Era;



- OBDRR052, Related to NPRR1246, Energy Storage Resource Terminology Alignment for the Single-Model Era; and
- PGRR118, Related to NPRR1246, Energy Storage Resource Terminology Alignment for the Single-Model Era.

Mr. Seely discussed that ERCOT staff recommended remanding the Revision Requests to the Technical Advisory Committee (TAC) to clean up baseline language impacted by implementation of NPRR1188, Implement Nodal Dispatch and Energy Settlement for Controllable Load Resources, which the Board approved in November 2024.

John Swainson moved to remand to TAC NPRR1246, NOGRR268, OBDRR052, and PGRR118. Julie England seconded the motion. The motion passed by unanimous voice vote with no abstentions.

Chair Flores took up the Consent Agenda, including unopposed Revision Requests recommended by the Technical Advisory Committee (TAC) for approval:

- NPRR1180, Inclusion of Forecasted Load in Planning Analyses;
- NPRR1239, Access to Market Information;
- NPRR1240, Access to Transmission Planning Information;
- NPRR1245, Additional Clarifying Revisions to Real-Time Co-Optimization;
- NPRR1248, Correction to NPRR1197, Optional Exclusion of Load from Netting at EPS Metering Facilities which Include Resources;
- NPRR1249, Publication of Shift Factors for All Active Transmission Constraints in the RTM;
- NPRR1254, Modeling Deadline for Initial Submission of Resource Registration Data;
- NOGRR266, Related to NPRR1239, Access to Market Information;
- NOGRR267, Related to NPRR1240, Access to Transmission Planning Information;
- OBDRR053, Alignment with NPRR1131, Controllable Load Resource Participation in Non-Spin, and Minor Clean-Ups;
- PGRR107, Related to NPRR1180, Inclusion of Forecasted Load in Planning Analyses; and
- PGRR116, Related to NPRR1240, Access to Transmission Planning Information

Mr. Seely reviewed the cost impacts of the Revision Requests on the Consent Agenda, including NPRR1180, Inclusion of Forecasted Load in Planning Analyses. Mr. Seely reported requirements from Tex. H.B. 5066, 88 Leg., R.S. (2023) require the changes in NPRR1188, and ERCOT estimates the annual cost for approximately 12 full-time employees will range from \$2 million (M) to \$2.4M, which would be included in the proposal for the 2026 / 2027 ERCOT Budget. Chair Flores entertained a motion to recommend approval of the Consent Agenda as presented.

Carlos Aguilar moved to recommend approval of the Consent Agenda. Peggy Heeg seconded the motion. The motion passed by unanimous voice vote with no abstentions.



October 10, 2024 General Session Meeting Minutes (Agenda Item 4)

Chair Flores entertained a motion to approve the October 10, 2024 General Session Meeting Minutes (Minutes).

Ms. England moved to approve the Minutes as presented. Ms. Heeg seconded the motion. The motion passed by unanimous voice vote with no abstentions.

CEO Update (Agenda Item 5)

Pablo Vegas presented the CEO Update. Board members, Mr. Vegas, and Kristi Hobbs discussed the process to calculate and update capacity percentages by Generation type to compare contributions to the grid in the winter. Mr. Vegas discussed key focus areas, including ongoing ERCOT staff work for Inverter-Based Resources (IBRs), Reliability Must-Run, and the Performance Credit Mechanism (PCM); development for 2025 of Real-Time Co-optimization plus Batteries (RTC+B) including Ancillary Services Demand Curves, followed by Dispatchable Reliability Reserve Service (DRRS); and ongoing Reliability Standard analysis and reports to be released this month: the 2024 Regional Transmission Plan, Extra-High Voltage (EHV) Regional Transmission Plan, Grid Reliability and Resiliency Assessment, Existing and Potential Electric System Constraints and Needs Report, and the Long-Term System Assessment.

2024-2025 Winter Weather Update (Agenda Item 6)

Chris Coleman presented the 2024-2025 Winter Weather Update. Mr. Coleman stated that it is not unusual for a period of extreme cold to occur in an otherwise mild-to-warm winter. Board members and Dan Woodfin discussed how warm shoulder months impact ability of Generators to perform maintenance.

Confirmation of 2025 TAC Representatives (Agenda Item 7)

Chair Flores presented the 2025 TAC Representatives and entertained a motion for their confirmation.

Mr. Swainson moved to confirm the 2025 TAC Representatives as presented. Ms. England seconded the motion. The motion passed by unanimous voice vote with no abstentions.

TAC Report; Non-Unanimous and Other Selected Revision Requests Recommended by TAC for Approval; NPRR1247, Incorporation of Congestion Cost Savings Test in Economic Evaluation of Transmission Projects – URGENT; Reliability and Markets (R&M) Committee Recommendations on Non-Unanimous and Other Selected Revision Requests (Agenda Items 8 – 8.1.2)

Caitlin Smith, TAC Chair presented the TAC Report, including TAC's recommendation regarding NPRR1247. Julie England, R&M Committee Chair, commented on the R&M Committee's recommendation regarding NPRR1247, Incorporation of Congestion Cost Savings Test in Economic Evaluation of Transmission Projects – URGENT.

Ms. England moved to recommend approval of NPRR1247 as recommended by TAC. Mr. Aguilar seconded the motion. The motion passed by unanimous voice vote with no abstentions.



ERCOT Staff Recommendation regarding Board Approval of Reliability Must-Run (RMR) and Must-Run Alternative (MRA) Agreements related to CPS Energy Braunig Resources (Agenda Item 9)

Mr. Seely introduced the ERCOT Staff Recommendation regarding Board Approval of Reliability Must-Run (RMR) and Must-Run Alternative (MRA) Agreements related to CPS Energy Braunig Resources. ERCOT staff recommended that the Board vote to approve ERCOT entering into a Reliability Must-Run (RMR) Agreement with CPS Energy for the provision of RMR Service from V.H. Braunig Unit 3 from March 3, 2025 through March 2, 2027. ERCOT recommended that the Board defer deciding whether to approve RMR Agreements regarding Braunig Units 1 and 2 until ERCOT staff further explores the use of CenterPoint Energy (CenterPoint) mobile generation in lieu of RMR Service from these units.

Davida Dwyer walked the Board through the presentation that accompanied the staff recommendation. Board members, Ms. Dwyer, Mr. Rickerson, and Mr. Seely discussed the bases for ERCOT outage assumptions; calculation of the Value of Lost Load in the RMR analysis; maintenance of market pricing outcomes during use of Braunig Unit 3; and future discussion of exit solutions. Discussion also included the 400 MW capacity of CenterPoint mobile generation that is similar to the capacity of Braunig Units 1 and 2, locating the mobile generation on distribution sites in San Antonio, and the timeline for making available the mobile generation. PUC Chair Thomas Gleeson supported deferring Board consideration of Braunig Units 1 and 2 to consider the mobile generation solution in place of those units.

Chair Flores entertained a motion that the Board approve the ERCOT Staff Recommendation regarding ERCOT Board Approval of Reliability Must-Run (RMR) Agreement for Unit 3 related to CPS Energy Braunig Resources.

Mr. Swainson moved that the Board approve the ERCOT Staff Recommendation regarding ERCOT Board Approval of Reliability Must-Run (RMR) Agreement for Unit 3 related to CPS Energy Braunig Resources. Mr. Aguilar seconded the motion. The motion passed by unanimous voice vote with no abstentions.

Committee Reports; Finance and Audit (F&A) Committee Report; Acceptance of 2024 System and Organization Control Audit Report (Agenda Items 10 – 10.1.1)

Chair Flores, who is also F&A Committee Chair, reported that the F&A Committee met the prior day and highlighted items discussed at the F&A Committee meeting. Chair Flores presented the F&A Committee's recommendation regarding the Acceptance of 2024 System and Organization Control Audit Report and reported that the result of the audit was an unmodified "clean" opinion and included information about enhancements from automation of the Treasury Management System.

Chair Flores moved to accept the 2024 System and Organization Control Audit Report as recommended by the F&A Committee. Ms. Heeg seconded the motion. The motion passed by unanimous voice vote with no abstentions.



Human Resources and Governance (HR&G) Committee Report (Agenda Item 10.2)

Vice Chair Peggy Heeg, HR&G Committee Chair, reported the HR&G Committee met the prior day and highlighted items discussed at the HR&G Committee meeting, including that 130 employees have been onboarded in 2024 through October and staff is 57 head count below budget. Ms. Heeg discussed trends in departures and recruitment steps, the ERCOT governing documents, and Communications activities.

Reliability and Markets (R&M) Committee Report; AEPSC Brownsville Area Improvements Transmission Project; Oncor Delaware Basin Stages 3 and 4 Project; Real-Time Market Price Correction – Incomplete Weekly Database Load (Agenda Items 10.3 – 10.3.3)

Ms. England, Chair of the R&M Committee, reported that, in addition to standing Briefs, the Committee considered three Board voting items. As recommended by the R&M Committee, Ms. England made the following motions:

Ms. England moved the Board to endorse the need for the Tier 1 American Electric Power Service Corporation (AEPSC) Brownsville Area Improvements Transmission Regional Planning Group Project (Option 2A), which ERCOT staff has independently reviewed and which the Technical Advisory Committee has voted to endorse based on NERC and ERCOT reliability planning criteria. Mr. Aguilar seconded the motion. The motion passed by unanimous voice vote with no abstentions.

Ms. England moved the Board to endorse the need for the Tier 1 Oncor Delaware Basin Stages 3 and 4 Regional Planning Group Project, which ERCOT staff has independently reviewed and which the Technical Advisory Committee has voted to endorse based on NERC and ERCOT reliability planning criteria. Mr. Aguilar seconded the motion. The motion passed by unanimous voice vote with no abstentions.

Ms. England moved the Board to (1) determine that Real-Time Locational Marginal Prices (RTLMPs), Real-Time Settlement Point Prices (RTSPPs), Real-Time Price for Energy Metered for Resources (RTRMPRs), and Real-Time Price for Energy Metered for Settlement Only Generators (RTESOGPRs) for Operating Day (OD) November 1, 2024, were affected by the incomplete weekly database load update, and (2) direct ERCOT staff to implement the appropriate price corrections pursuant to Protocol Section 6.3. Mr. Aguilar seconded the motion. The motion passed by unanimous voice vote with no abstentions.

Technology and Security (T&S) Committee Report (Agenda Item 10.4)

John Swainson, T&S Committee Chair, reported the T&S Committee met the prior day and highlighted items discussed at the T&S Committee meeting, including a presentation on Nuclear Technologies, including small modular and micro modular technologies, by invited guest Joseph Miller of BWXT Advanced Technologies, Inc. Discussion also included Commissioner Jimmy Glotfelty's presentation to the Committee of the report of the Texas Advanced Nuclear Reactor Working Group submitted to Gov. Greg Abbot last week.

Other Business (Agenda Item 11)

There was no Other Business.



Before transitioning the meeting to Executive Session, Chair Flores and Mr. Vegas recognized the contributions of Betty Day to ERCOT during Ms. Day's last Board meeting as she plans to retire at the end of the year. Chair Flores and Mr. Vegas recognized Ms. Day's leadership at ERCOT for more than 24 years, including her leadership roles in Commercial Operations, Enterprise Strategy and Risk Management, Market Rules, Portfolio and Project Management, Compliance, Security, Business Continuity and Facilities, Compliance, and Security.

Commissioner Cobos commented that it was her last meeting as a member of the ERCOT Board of Directors, as she will be leaving the Commission in 2025 after having twice served on the ERCOT Board, first as OPUC Public Counsel and then as a Commissioner. Commissioner Cobos thanked the Board, Mr. Vegas, and ERCOT executive staff for work done together.

Executive Session; Vote on Matters from Executive Session (Agenda Item 12)

Chair Flores recessed General Session at approximately 11:48 a.m. and convened Executive Session at approximately 12:04 p.m. Chair Flores recessed Executive Session at approximately 2:35 p.m. for the Board to vote on matters discussed in Executive Session and reconvened General Session at approximately 2:41 p.m.

Vice Chair Heeg moved to approve the Personnel Matters discussed in Executive Session under Agenda Items ES 2.2.2 and ES 2.2.3. Mr. Swainson seconded the motion. The motion passed by unanimous voice vote with no abstentions.

Ms. England moved to approve the Contract Matter discussed during Executive Session under Agenda Item ES 2.3.2. Ms. Heeg seconded the motion. The motion passed by unanimous voice vote with no abstentions.

Selection of 2025 System Organization Control Auditor (Agenda Item 12.1)

Mr. Swainson moved to select Weaver and Tidwell, LLP as the 2025 System and Organization Control Auditor. Ms. Heeg seconded the motion. The motion passed by unanimous voice vote with no abstentions.

Adjournment (Agenda Item 13)

Chair Flores adjourned the meeting at approximately 2:42 p.m.

Board materials and presentations from the meeting are available on ERCOT's website at <https://www.ercot.com/committees/board>.


Brandon Gleason
Assistant Corporate Secretary