



**GENERAL SESSION MINUTES OF THE
TECHNOLOGY AND SECURITY COMMITTEE MEETING
OF ELECTRIC RELIABILITY COUNCIL OF TEXAS, INC.**

8000 Metropolis Drive (Building E), Suite 100, Boardroom B
Austin, Texas 78744
February 26, 2024

Pursuant to notice duly given and after determination that a quorum was present, the meeting of the Technology and Security (T&S) Committee of the Board of Directors (Board) of Electric Reliability Council of Texas, Inc. (ERCOT) convened on the above-referenced date.

Meeting Attendance:

Committee Members:

Director	Affiliation/Role (if any)	Voting Category
Aguilar, Carlos	N/A	Voting
Capuano, Linda	N/A	Voting
England, Julie	N/A	Voting
Swainson, John (Chair)	N/A	Voting

Other Board Members:

Director	Affiliation/Role (if any)	Voting Category
Gleeson, Thomas	Public Utility Commission of Texas (PUCT, Commission), Chair	Non-Voting

Officers and Guests:

Officer/Guest	Role
Berlin, Anna	ERCOT Associate Corporate Counsel
Black, Robert	ERCOT Vice President of Public Affairs
Day, Betty	ERCOT Vice President of Security and Compliance and Chief Compliance Officer
Hobbs, Kristi	ERCOT Vice President of System Planning and Weatherization
Horton, Shana	ERCOT Corporate Counsel
Levine, Jonathan	ERCOT Assistant General Counsel and Assistant Corporate Secretary
Martinez, Adam	ERCOT Vice President of Enterprise Risk and Strategy
Parakkuth, Jayapal	ERCOT Senior Vice President and Chief Information Officer
Seely, Chad V.	ERCOT Senior Vice President, General Counsel and Corporate Secretary
Spak, Mara	ERCOT Vice President of Human Resources
Tamby, Jeyant	ERCOT Senior Vice President and Executive Advisor



Tirupati, Venkata	ERCOT Vice President of DevOps and Grid Transformation
Woodfin, Dan	ERCOT Vice President of System Operations

Call General Session to Order and Announce Proxies (Agenda Item 1)

John Swainson, T&S Committee Chair, determined that a quorum was present and called the T&S Committee meeting to order at approximately 9:30 a.m.

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

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

Chair Swainson announced that on the agenda for the meeting, which was posted publicly on February 19, 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 Jonathan Levine confirmed.

December 18, 2023 General Session Meeting Minutes (Agenda Item 3)

Chair Swainson entertained a motion to approve the December 18, 2023 General Session Meeting Minutes (Minutes).

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

Committee Briefs (Agenda Item 4)

Chair Swainson invited ERCOT staff to present the Committee Briefs.

Projects and Technology Update (Agenda Item 4.1)

Jayapal Parakkuth presented the Projects and Technology Update, highlighting the increase in Application Releases from 6 to 11 in 2024 and the shortening of site failover to now occur in a single day per instance, down from 4 days, which reflects a goal to practice technology responses in the manner required in a real emergency. Mr. Parakkuth reviewed year-to-date project delivery statistics, including spending and labor, and upcoming Application Releases, including the ERCOT Developer Portal. He reported the Public Application Programming Interface (API) and Data Portal recently went live, as did the new Treasury Management System, which uses machine learning to match Account Receivable invoices and has so far been more than 95% accurate, an improvement that eliminates manual work and associated errors. Committee members requested an update at the April Committee meeting on usage rates and details on adoption for the ERCOT Developer Portal, Public API and Data Portal, and Treasury Management System, as well as more information on the quality control process for these rollouts. Committee members and Mr. Parakkuth discussed the adequacy of the company's IT resources. Committee members requested a view of the total resource pool per month and how it balances projects with other work.

Venkat Tirupati reported on the Innovation Summit, which will focus on four objectives: Awareness, Sharing, Learning, and Inspiring innovative solutions to problems. He reported the team is still looking for a keynote speaker in the research/innovation sector. Also, as demand for



the Summit has outgrown the space at the Austin Met Center, the team is exploring nearby hotels for a larger space to accommodate more attendees. Committee members and Mr. Tirupati discussed adding a fifth objective for the Summit of “ERCOT Leadership,” focusing on what ERCOT does and how it leads with a goal to dispel persistent myths about ERCOT’s role.

Real-Time Co-Optimization Implementation Update (Agenda Item 4.2)

Mr. Parakkuth presented the Real-Time Co-Optimization Implementation Update. He provided an update on Nodal Protocol Revision Requests (NPRRs) relating to the Real-Time Co-Optimization plus Batteries plus State-of Charge (RTC+B+SOC) program. Committee members and Mr. Parakkuth discussed including in a future report a ballpark cost for a Market Participant to implement changes necessary for RTC+B+SOC.

Security Update (Agenda Item 4.3)

Betty Day presented the Security Update. She reported ERCOT hosted a meeting with FBI InfraGard on February 7. Ms. Day explained the mission of InfraGard is to enhance the nation's collective ability to mitigate threats to critical infrastructure by fostering collaboration, education and information sharing, and reported that about 20 people involved in critical infrastructure—e.g., utilities—attended the meeting. She added collaborations, such as this one with the FBI, are key to security.

Future Agenda Items (Agenda Item 5)

Mr. Parakkuth presented the Future Agenda Items. He highlighted items anticipated for the April 22, 2024 Committee meeting. Chair Swainson invited comments on possible future additions to Committee reports from ERCOT staff. No additional topics were suggested for April’s meeting, other than those requested during earlier discussion.

Other Business (Agenda Item 6)

No other business was discussed at this time.

Executive Session; Vote on Matters from Executive Session and Adjournment (Agenda Items 7 and 8)

Chair Swainson announced that no voting items from Executive Session were expected; accordingly, he would adjourn the meeting immediately upon conclusion of Executive Session.

Chair Swainson adjourned General Session at approximately 10:11 a.m. and convened Executive Session at approximately 10:21 a.m.

There were no voting items from Executive Session.

Chair Swainson adjourned the meeting upon conclusion of Executive Session at approximately 11:17 a.m.



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

Jonathan M. Levine
Assistant Corporate Secretary

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