



**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
October 16, 2023

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
Vegas, Pablo	ERCOT President and Chief Executive Officer (CEO)	Non-Voting

Officers and Guests:

Officer/Guest	Role
Bauld, Mandy	ERCOT Senior Director of Project Management Office
Berlin, Anna	ERCOT Associate Corporate Counsel
Day, Betty	ERCOT Vice President of Security and Compliance and Chief Compliance Officer
Hobbs, Kristi	ERCOT Vice President of System Planning and Weatherization
Levine, Jonathan	ERCOT Assistant General Counsel and Assistant Corporate Secretary
Parakkuth, Jayapal	ERCOT Vice President and Chief Information Officer
Rickerson, Woody	ERCOT Senior Vice President and Chief Operating Officer
Schue, Jamie	ERCOT Senior Corporate Counsel
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, Chief Administrative Officer and Chief of Staff
Taylor, Sean	ERCOT Vice President and Chief Financial Officer
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 9:01 a.m.

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

Designation of Committee Secretary (Agenda Item 2)

Chair Swainson entertained a motion for Committee Secretary.

Julie England moved to designate Chad Seely, Senior Vice President, General Counsel and Corporate Secretary, or his designee, as Committee Secretary. Carlos Aguilar seconded the motion. The motion passed by unanimous voice vote with no abstentions.

Notice of Public Comment, if Any (Agenda Item 3)

Chair Swainson announced that on the agenda for the meeting, which was posted publicly on October 9, 2023, 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.

Review Committee Charter (Agenda Item 4)

Chair Swainson discussed the initial T&S Committee Charter and noted that ERCOT Legal staff had provided a first draft for the Committee's review and discussion. Chair Swainson commented that the scope of the Committee should be sufficiently broad to include innovation in the industry, not just information technology. Chair Swainson also emphasized the importance of defining a scope that is separate from that of the Reliability and Markets Committee, while understanding that there will necessarily be some overlap. The Committee agreed to continue considering the T&S Committee's scope, and Chair Swainson requested that ERCOT Legal staff incorporate feedback into a revised draft for consideration and possible vote at the December 2023 T&S Committee and Board meetings, depending on whether further discussion is needed.

Committee Briefs (Agenda Item 5)

Chair Swainson invited ERCOT staff to present the Committee Briefs.



Technology Objectives and Key Results (OKR) Projects Update (Agenda Item 5.1)

Jeyant Tamby presented the Technology OKR Projects Update. Mr. Tamby reported that the 2023 OKR projects remain on budget and on time. Mr. Tamby also explained how project budget and goals are measured and noted that they are often adjusted as a project progresses. Committee members provided feedback on what information should be presented to the Committee to facilitate its oversight role and how measurement metrics could be changed to better reflect different stages and goals of projects. In response to questions, Mandy Bauld commented on the criteria for achieving different project status ratings and noted that considering the full population of ERCOT projects rather than just OKR projects, some projects are not on budget and on schedule. Mr. Tamby updated the Committee on the actual and projected project labor hours for 2023 and 2024, and he and Committee members discussed the projected peak in project labor hours in early 2024.

Information Technology Update (Agenda Item 5.2)

Jayapal Parakkuth presented the Information Technology (IT) Update. Mr. Parakkuth highlighted recent and upcoming application releases and that ERCOT is continuing to maintain the technological health of its systems. Mr. Parakkuth updated the Committee on the Energy Management System (EMS) Upgrade project, the Cloud Computing Pilot project, and other IT initiatives. Committee members, Mr. Parakkuth, and Mr. Tamby discussed the importance of the EMS Upgrade and how completing the project will give ERCOT the opportunity to return to other projects, as well as the potential use of cloud systems and associated governance, including security measures.

Security Update (Agenda Item 5.3)

Betty Day presented the Security Update, highlighting GridEx VII, a biennial grid security and resilience exercise coordinated by the North American Electric Reliability Corporation (NERC) Electricity Information Sharing and Analysis Center (E-ISAC), which ERCOT will participate in on November 14.

Future Agenda Items (Agenda Item 6)

Mr. Parakkuth presented the Future Agenda Items. He highlighted items anticipated for the December 18, 2023 Committee meeting. Committee members further discussed the scope of the Committee's responsibilities and encouraged ERCOT staff to solicit Committee feedback on particular issues when needed.

Other Business (Agenda Item 7)

No other business was discussed at this time.

Executive Session; Vote on Matters from Executive Session and Adjournment (Agenda Items 8 and 9)

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 10:08 a.m. and convened Executive Session at approximately 10:22 a.m.

There were no voting items from Executive Session.



Chair Swainson adjourned the meeting upon conclusion of Executive Session at approximately 11:39 a.m.

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

A handwritten signature in blue ink, appearing to read "Jonathan M. Levine".

Jonathan M. Levine
Assistant Corporate Secretary