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

8000 Metropolis Drive (Building E), Suite 100, Boardroom B
Austin, Texas 78744
August 19, 2024, 9:00 a.m.

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 (Via teleconference)	Voting
Swainson, John (Chair)	N/A	Voting

Other Board Members:

Director	Affiliation/Role (if any)	Voting Category
Flexon, Bob	N/A (left after Agenda Item 4)	Voting
Flores, Bill	N/A (left after Agenda Item 4)	Voting
Vegas, Pablo	N/A (Not present for Agenda Items 1-3)	Non-Voting

Officers and Guests:

Officer/Guest	Role
Berlin, Anna	ERCOT Associate Corporate Counsel
Collins, Keith	ERCOT Vice President of Commercial Operations
Davis, Julie	PUCT
Day, Betty	ERCOT Vice President of Security and Compliance and Chief Compliance Officer
Gwinn, Diane	ERCOT Director, Corporate IT Services
Hobbs, Kristi	ERCOT Vice President of System Planning and Weatherization
Horton, Shana	ERCOT Corporate Counsel
Jackson, Kathleen	PUCT Commissioner

Lafoyiannis, Anna	Technical Leader, Energy Systems and Climate Analysis Group, Electric Power Research Institute (EPRI)
Lassiter, Jason	ERCOT Director, Physical Security & Facilities
Mannepalli, Ajay	ERCOT Senior Director, IT Architecture and Strategy
Martinez, Adam	ERCOT Vice President of Enterprise Risk and Strategy
Parakkuth, Jayapal	ERCOT Senior Vice President and Chief Information Officer
Rickerson, Woody	ERCOT Senior Vice President and Chief Operating Officer
Rydell, Brandt	ERCOT Assistant General Counsel
White, Jennifer	Chief of Staff to Commissioner Kathleen Jackson, Public Utility Commission of Texas (PUCT)
Woodfin, Dan	ERCOT Vice President of System Operations

Call General Session to Order (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 9:00 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 August 12, 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 Shana Horton confirmed.

June 17, 2024 General Session Meeting Minutes (Agenda Item 3)

Chair Swainson entertained a motion to approve the June 17, 2024 General Session Meeting Minutes (Minutes).

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

Emerging Technology – Introduction to Grid Enhancing Technologies (GETs) (Agenda Item 4)

Chair Swainson introduced invited guest Anna Lafoyiannis of EPRI to make her presentation on Emerging Technology – Introduction to Grid Enhancing Technologies (GETs). Ms. Lafoyiannis began by emphasizing the need for substantial increases in investment in GETs, which each have distinct benefits and can be used in combination or at different places in the grid. Ms. Lafoyiannis described Advanced Conductors, Dynamic Line Ratings, Advanced Power Flow Controllers, and Transmission Topology Optimization software, including the potential benefits and drawbacks of each.

Committee Briefs (Agenda Item 5)

Projects and Technology Update (Agenda Item 5.1)

JP Parakkuth provided the Projects and Technology update. He reported there are 60 active projects, but the number is not static. He added that working groups have started 11 new projects and closed nine in recent months. There was no discussion among Committee members.

Real-Time Co-Optimization Implementation Update (Agenda Item 5.2)

Mr. Parakkuth presented the Real-Time Co-Optimization (RTC) Update. Committee members discussed increasing the dollar value of benefits to implementation for inflation and other factors and suggested the dollar value of risks to later implementation was possibly too low, as presented. Pablo Vegas emphasized ERCOT's robust change management process can be leveraged to evaluate changes to the project's design before and after market trial. Committee members generally discussed the importance of moving forward with RTC and the risks associated with late changes. The Committee asked Mr. Parakkuth to show Phase 2 and Phase 3 of the project plan, to be vetted in the R&M Committee, in the project timeline.

Grid Transformation Initiatives Update (Agenda Item 5.3)

Venkat Tirupati presented the Grid Transformation Update. Committee members and Woody Rickerson discussed the potential impacts of tiered definitions of load. The Committee asked Mr. Tirupati to update the presentation timeline to show Development of a Demand Response Product and Tiered definitions of Load have begun.

Future Agenda Items (Agenda Item 6)

Mr. Parakkuth presented the Future Agenda Items. Committee members and Mr. Parakkuth discussed future presentations on emerging grid technology topics. Chair Swainson requested a presentation on small modular nuclear work underway in Texas. Committee members and Mr. Vegas also discussed transmission technology enhancements as a potential future topic, including education on metrics implicated by changes to the transmission system.

Other Business (Agenda Item 7)

No other business was discussed at this time.

Executive Session; Vote on Matters from Executive Session; Adjournment (Agenda Items 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 10:08 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 the conclusion of Executive Session at approximately 12:11 p.m.

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

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Chad V. Seely
Corporate Secretary