



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

Electric Reliability Council of Texas, Inc.
7620 Metro Center Drive, Room 206
Austin, Texas 78744
August 13, 2019 at 9:00 a.m.

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	Segment
Bulger, Terry	Unaffiliated	Unaffiliated Director
Cobos, Lori	Office of Public Utility Counsel (OPUC)	Consumer – Residential
Cramton, Peter	Unaffiliated	Unaffiliated Director
Crowell, Craven (Chairman)	Unaffiliated	Unaffiliated Director
Emery, Keith	Tenaska Power Services Co.	Independent Power Marketer
Fehrenbach, Nick	City of Dallas	Consumer – Commercial <i>(Not Present for Agenda Items 1 – 3)</i>
Gresham, Kevin	E.ON Climate & Renewables North America, LLC	Independent Generator
Karnei, Clifton	Brazos Electric Power Cooperative, Inc.	Cooperative
Lyons, Glen	ExxonMobil Power and Gas Services, Inc.	Consumer – Industrial Segment Alternate
Magness, Bill	ERCOT	President and Chief Executive Officer (CEO)
Mercado, Kenny	CenterPoint Energy, Inc.	Investor-Owned Utility
Pfirrmann, Karl	Unaffiliated	Unaffiliated Director
Ross, Ned	Direct Energy	Independent Retail Electric Provider Segment Alternate
Shellman, Carolyn	CPS Energy	Municipal
Walker, DeAnn	Public Utility Commission of Texas (PUCT)	Chairman



Walsh, Judy (Vice Chair)	Unaffiliated	Unaffiliated Director
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Segment Alternates, Officers and Guests:

Berg, Bill	Exelon Corporation (Independent Generator Segment Alternate)
Carpenter, Mark	Oncor Electric Delivery Company (Investor-Owned Utility Segment Alternate)
Cochran, Seth	DC Energy Texas, LLC (Independent Power Marketer Segment Alternate)
D'Andrea, Arthur	PUCT Commissioner
Day, Betty	ERCOT Vice President of Governance, Risk and Compliance and Chief Compliance Officer
Dreyer, Jerry	ERCOT Senior Vice President and Chief Information Officer
Gage, Theresa	ERCOT Vice President of External Affairs and Corporate Communications
Garza, Beth	Potomac Economics, ERCOT Independent Market Monitor (IMM), Director
Helton, Bob	ENGIE Resources LLC, Technical Advisory Committee (TAC) Chair
Lange, Clif	South Texas Electric Cooperative Inc., TAC Vice Chair
Lawson, John	ERCOT 2019 Summer Intern
Leady, Vickie	ERCOT Assistant General Counsel and Assistant Corporate Secretary
Levine, Jonathan	ERCOT Senior Corporate Counsel
Maggio, Dave	ERCOT Senior Manager of Market Analysis and Validation
Mereness, Matt	ERCOT Director of Compliance
Ögelman, Kenan	ERCOT Vice President of Commercial Operations
Petterson, Michael	ERCOT Vice President and Chief Financial Officer
Rickerson, Woody	ERCOT Vice President of Grid Planning and Operations
Schwartz, Mark	Golden Spread Electric Cooperative, Inc. (Cooperative Segment Alternate)
Seely, Chad V.	ERCOT Vice President, General Counsel and Corporate Secretary
Singh, Vijay	ERCOT 2019 Summer Intern
Tamby, Jeyant	ERCOT Senior Vice President and Chief Administrative Officer
Wert, Jessica	ERCOT 2019 Summer Intern
Zhou, David	ERCOT 2019 Summer Intern

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

Craven Crowell, Board Chairman, determined that a quorum was present and called the Board General Session meeting to order at approximately 9:00 a.m.



Chairman Crowell recognized DeAnn Walker, Chairman of the PUCT. Chairman Walker called an Open Meeting of the Commission to order to consider matters which had been duly posted with the Texas Secretary of State for August 13, 2019.

Chairman Crowell noted the Antitrust Admonition. He announced that Ned Ross, Independent Retail Electric Provider Segment Alternate, was attending in Rick Bluntzer's absence, and Glen Lyons, Consumer – Industrial Segment Alternate, was attending in Sam Harper's absence. Chairman Crowell addressed the following Agenda Items in the order below.

Consent Agenda; Unopposed Revision Requests Recommended by Technical Advisory Committee (TAC) for Approval (Agenda Items 2, 2.1, and 2.1.1 – 2.1.13)

Chairman Crowell presented the Consent Agenda. Bill Magness reviewed the cost impacts of the Revision Requests on the Consent Agenda. There were no questions or comments from Board members. Chairman Crowell entertained a motion for the approval of the Consent Agenda as follows:

- NPRR823, Amend the Definition of an Affiliate;
- NPRR904, Revisions to Real-Time On-Line Reliability Deployment Price Adder for ERCOT-Directed Actions Related to DC Ties and to Correct Design Flaws;
- NPRR931, As Built Hub Average Calculation;
- NPRR932, Addition of Load to Existing Load Zone;
- NPRR935, Post All Wind and Solar Forecasts;
- NPRR942, Clarification of Revised Transaction Limit Posting;
- NPRR943, Holiday Schedule Update;
- NPRR944, As Built Day-Ahead Market Energy Bid Curve Submission Validation;
- NPRR949, January 1, 2023 Changes to EPS Meter Communications Path;
- NOGRR187, Related to NPRR863, Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve;
- OBDRR009, ORDC OBD Revisions for ERCOT-Directed Actions Related to DC Ties;
- SCR801, 867_03 Final(s) Global Process ID Correction Request for IDR ESI ID(s) Posted to the 867 Activity Report; and
- SCR802, Enhance Communications of System Inertia.

Clifton Karnei moved to approve the Consent Agenda as presented. Peter Cramton seconded the motion. The motion passed by unanimous voice vote with no abstentions.

June 11, 2019 General Session Meeting Minutes (Agenda Item 3)

Chairman Crowell entertained a motion to approve the June 11, 2019 General Session Meeting Minutes (Minutes).

Kenny Mercado moved to approve the Minutes as presented. Mr. Cramton seconded the motion. The motion passed by unanimous voice vote with two abstentions (Glen Lyons and Ned Ross).



Chief Executive Officer (CEO) Presentation; CEO Update (Agenda Items 4 and 4.1)

Mr. Magness presented the CEO Update. He announced that the ERCOT Region had reached a new peak load record on the prior day of 74,531 MW, and discussed the current day's outlook and staff preparedness for high peak conditions. Mr. Magness highlighted the Engineer Development Program (EDP) and recognized Bill Blevins, Agee Springer and other ERCOT employees who have contributed to the success of the program. Mr. Magness responded to questions or comments from Board members.

Summer Interns Presentation (Agenda Item 4.2)

Mr. Magness introduced 2019 ERCOT Summer Interns Jessica Wert, Vijay Singh, John Lawson and David Zhou. Ms. Wert, Mr. Singh, Mr. Lawson and Mr. Zhou presented overviews of the projects they worked on during their internships. Mr. Magness and Chairman Crowell extended their gratitude to the 2019 Summer Interns and thanked Isabel Flores and other employees for their assistance with the 2019 Summer Interns program.

Independent Market Monitor (IMM) Report (Agenda Item 5)

Beth Garza presented the IMM Report and responded to questions and comments from Board members.

Confirmation of TAC Vice Chair for the Remainder of 2019 (Agenda Item 6)

Chairman Crowell invited Mr. Magness to present the Confirmation of TAC Vice Chair for the Remainder of 2019. Mr. Magness reported that at its July 24, 2019 meeting, TAC Representatives had elected Clif Lange, South Texas Electric Cooperative Inc., as Vice Chair of TAC for the remainder of 2019.

Mr. Magness moved to confirm Clif Lange, South Texas Electric Cooperative Inc., as TAC Vice Chair for the remainder of 2019. Karl Pfirrmann seconded the motion. The motion passed by unanimous voice vote with no abstentions.

TAC Report; Non-Unanimous Revision Request Recommended by TAC for Approval; NPRR917, Nodal Pricing for Settlement Only Distribution Generators (SODGs) and Settlement Only Transmission Generators (SOTGs) (Agenda Items 7. 7.1 and 7.1.1)

Bob Helton, TAC Chairman, presented NPRR917, Nodal Pricing for Settlement Only Distribution Generators (SODGs) and Settlement Only Transmission Generators (SOTGs), as recommended by TAC for Board approval. There were no questions or comments from Board members.

Mr. Lyons moved to approve NPRR917 as recommended by TAC in the July 24, 2019 TAC Report. Mr. Pfirrmann seconded the motion. The motion passed by unanimous voice vote with no abstentions.

Mr. Helton presented the TAC Report and responded to questions and comments from Board members.



Real-Time Co-Optimization Task Force Update (Agenda Item 7.2)

Matt Mereness, Real-Time Co-Optimization Task Force Chair, presented the Real-Time Co-Optimization Task Force Update. Mr. Mereness, Dave Maggio, and Mr. Magness responded to questions and comments from Board members.

Break

Chairman Crowell recessed the General Session for break at approximately 10:12 a.m. and reconvened the General Session at approximately 10:29 a.m.

Finance and Audit (F&A) Committee Report (Agenda Item 8)

Terry Bulger, F&A Committee Chairman, reported that the F&A Committee met the prior day and highlighted items discussed at the F&A Committee meeting. There were no questions or comments from Board members.

Acceptance of ERCOT's 401(k) Savings Plan Audit Report (Agenda Item 8.1)

Mr. Bulger moved to accept the ERCOT 2018 401(k) Savings Plan Audit Report as recommended by the F&A Committee. Mr. Karnei seconded the motion. The motion passed by unanimous voice vote with no abstentions.

Human Resources and Governance (HR&G) Committee Report (Agenda Item 9)

Mr. Pfirrmann, HR&G Committee Chairman, reported that the HR&G Committee met the prior day and highlighted items discussed at the HR&G Committee meeting. There were no questions or comments from Board members.

Nominating Committee Report (Agenda Item 10)

Chairman Crowell, who also serves as Nominating Committee Chairman, reported that the Nominating Committee met the prior day and highlighted items discussed at the Nominating Committee meeting. There were no questions or comments from Board members.

Other Business (Agenda Item 11)

No other business was discussed at this time.

Executive Session

Chairman Crowell recessed General Session at approximately 10:35 a.m. and convened Executive Session at approximately 10:39 a.m. Chairman Crowell reconvened General Session at approximate 1:26 p.m.

Vote on Matters from Executive Session (Agenda Item 12)

Chairman Crowell entertained a motion for one matter discussed during Executive Session.

Mr. Bulger moved to select ERCOT's 401(k) Savings Plan Auditor as recommended by the F&A Committee and as discussed during Executive Session. Mr. Karnei seconded the motion. The motion passed by unanimous voice vote with no abstentions.

Adjournment (Agenda Item 13)

Chairman Crowell adjourned the meeting at approximately 1:27 p.m.



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

A handwritten signature in blue ink, reading "Vickie G. Leady". The signature is written in a cursive style and is positioned above a horizontal line.

Vickie G. Leady
Assistant Corporate Secretary