



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

Electric Reliability Council of Texas, Inc.
Urgent Board of Directors Meeting By Teleconference
August 11, 2020 at 10:30 a.m.

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

Meeting Attendance:

Board Members:

Director	Affiliation	Segment
Bulger, Terry	Unaffiliated	Unaffiliated Director
Carpenter, Mark	Oncor Electric Delivery Company	Investor-Owned Utility
Cobos, Lori	Office of Public Utility Counsel (OPUC)	Consumer – Residential
Cochran, Seth	DC Energy Texas, LLC	Independent Power Marketer
Cramton, Peter	Unaffiliated	Unaffiliated Director
Crowell, Craven (Chairman)	Unaffiliated	Unaffiliated Director
Fehrenbach, Nick	City of Dallas	Consumer – Commercial
Gresham, Kevin	RWE Renewables Americas, LLC	Independent Generator
Harper, Sam	Chaparral Steel Midlothian, LP	Consumer – Industrial
Karnei, Clifton	Brazos Electric Power Cooperative, Inc.	Cooperative
Magness, Bill	ERCOT	President and Chief Executive Officer (CEO)
Pfirmsmann, Karl	Unaffiliated	Unaffiliated Director
Ross, Ned	Direct Energy	Independent Retail Electric Provider
Taylor, Ian	New Braunfels Utilities	Municipal Segment Alternate
Walker, DeAnn	Public Utility Commission of Texas (PUCT, Commission)	Chairman
Walsh, Judy (Vice Chair)	Unaffiliated	Unaffiliated Director



Segment Alternates, Officers and Guests:

Bivens, Carrie	Potomac Economics, ERCOT Independent Market Monitor (IMM), Director
Botkin, Shelly	PUCT Commissioner
D’Andrea, Arthur	PUCT Commissioner
Day, Betty	ERCOT Vice President of Security and Compliance and Chief Compliance Officer
Emery, Keith	Tenaska Power Services Co. (Independent Power Marketer Segment Alternate)
Helton, Bob	ENGIE North America Inc., Technical Advisory Committee (TAC) Chair
Hobbs, Kristi	ERCOT Director of Enterprise Risk Management and Strategic Analysis
Leady, Vickie	ERCOT Assistant General Counsel and Assistant Corporate Secretary
Levine, Jonathan	ERCOT Senior Corporate Counsel
Lyons, Glen	ExxonMobil Power and Gas Services, Inc. (Consumer – Industrial Segment Alternate)
Mereness, Matt	ERCOT Director of Compliance
Ögelman, Kenan	ERCOT Vice President of Commercial Operations
Parakkuth, Jayapal (JP)	ERCOT Vice President and Chief Information Officer
Rickerson, Woody	ERCOT Vice President of Grid Planning and Operations
Seely, Chad V.	ERCOT Vice President, General Counsel and Corporate Secretary
Sharma, Sandip	ERCOT Director of Market Operations
Smith, Wade	American Electric Power Service Corporation (Investor-Owned Utility Segment Alternate)
Spak, Mara	ERCOT Vice President of Human Resources
Tamby, Jeyant	ERCOT Senior Vice President and Chief Administrative Officer
Taylor, Sean	ERCOT Vice President and Chief Financial Officer

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

Craven Crowell, Board Chairman, determined that a quorum was present and called the urgent Board meeting to order by teleconference at approximately 10:30 a.m. At Chairman Crowell’s request, Chad Seely conducted a roll call of Directors, Segment Alternates and Commissioners, and confirmed that a quorum was present.

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 11, 2020.

Chairman Crowell addressed certain administrative matters and reminded everyone that all meeting materials may be found on ERCOT’s website, that is, at ERCOT.com/committee/board at the meeting link for August 11, 2020 under “Key Documents.” Chairman Crowell noted the antitrust and security admonitions and announced that Ian Taylor, Municipal Segment Alternate, was attending in Jackie Sargent’s absence. He reported that on July 31, 2020, Rick Bluntzer



resigned as Director for the Independent Electric Retail Provider Market Segment, and that on August 5, 2020, Ned Ross, who had been serving as Segment Alternate, was elected as the new Director for the Segment, and on August 10, 2020, Steve Madden of Infinite Energy was elected as the new Segment Alternate. Chairman Crowell congratulated both members and welcomed Mr. Madden to the Board.

Chairman Crowell announced ERCOT had outlined the reason for this urgent Board meeting in ERCOT's *Notice of August 3, 2020 Urgent Teleconference Meetings of the ERCOT Nominating Committee and Board of Directors*, which was filed with the Commission on June 10, 2020, in Project Nos. 50664 and 27706. He also noted that ERCOT provided instructions for public comment on the agenda for this meeting, which was posted publicly on Tuesday, August 4, 2020. He reported that Eric Goff, representing Tesla, had requested the option to provide public comment and answer questions, if the need arises, with regard to Nodal Protocol Revision Request (NPRR) 1020, Allow Some Integrated Energy Storage Designs to Calculate Internal Loads - URGENT (Agenda Item 2.1.14), and that he was provided appropriate teleconference information. Chairman Crowell addressed the following Agenda Items in the order below.

Consent Agenda; Unopposed Revision Requests Recommended by Technical Advisory Committee (TAC) for Approval; ERCOT Methodologies for Determining Minimum Ancillary Service Requirements – Changes Related to NPRR1003 (Agenda Items 2, 2.1, 2.1.1 – 2.1.29, 2.1.31 – 2.1.35 and 2.2)

Chairman Crowell presented the Consent Agenda. Bill Magness reviewed the cost impacts of the Revision Requests on the Consent Agenda. He reported that subsequent to TAC's vote to recommend approval of Nodal Operating Guide Revision Request (NOGRR) 209, Related to NPRR1003, Elimination of References to Resource Asset Registration Form (Agenda Item 2.20), ERCOT had filed comments to remove one additional reference to the Resource Asset Registration Form that had been added to the Operating Guide while NOGRR209 was going through the stakeholder process. He added that ERCOT had also filed comments on Resource Registration Glossary Revision Request (RRGRR) 023, Related to NPRR1002, BESTF-5 Energy Storage Resource Single Model Registration and Charging Restrictions in Emergency Conditions (Agenda Item 2.1.30), asking that it be remanded to TAC until related Revision Requests are ready for the Board's consideration, and that accordingly RRGRR023 would be removed from the Consent Agenda and discussed later under the TAC Report (Agenda Item 6). There were no questions or comments from Board members. Chairman Crowell entertained a motion for the approval of the Consent Agenda as follows:

- NPRR903, Day-Ahead Market Timing Deviations;
- NPRR973, Add Definitions for Generator Step-Up and Main Power Transformer;
- NPRR983, Delete Remaining Grey-Boxed Language Associated with NPRR257, Synchronization with Nodal Operating Guide Section 9, Monitoring Programs and Changes to Posting Requirements of Documents Considered CEII;
- NPRR990, Relocation of Combined Cycle Train to Resource Attribute;
- NPRR992, Updated Day-Ahead Liability for NPRR863, Creation of ERCOT Contingency Reserve Service and Revisions to Responsive Reserve;
- NPRR993, Grey Box Resolution re NPRR902 and NPRR928;
- NPRR996, Alignment of Hub Bus Names Between Protocols and ERCOT Model;



- NPPR1000, Elimination of Dynamically Scheduled Resources;
- NPPR1002, BESTF-5 Energy Storage Resource Single Model Registration and Charging Restrictions in Emergency Conditions;
- NPPR1003, Elimination of References to Resource Asset Registration Form;
- NPPR1004, Load Distribution Factor Process Update;
- NPPR1015, Clarification of DAM implementation of NPPR863 Phase 2 – URGENT;
- NPPR1016, Clarify Requirements for Distribution Generation Resources (DGRs) and Distribution Energy Storage Resources (DESRs);
- NPPR1020, Allow Some Integrated Energy Storage Designs to Calculate Internal Loads – URGENT;
- NPPR1030, Modify Allocator for CRR Auction Revenue Distribution – URGENT;
- NOGRR195, Generator Voltage Control Tolerance Band;
- NOGRR196, Related to NPPR973, Add Definitions for Generator Step-Up and Main Power Transformer;
- NOGRR200, Delete Remaining Grey-Boxed Language Associated with NOGRR025, Monitoring Programs for QSEs, TSPs, and ERCOT;
- NOGRR208, Related to NPPR1002, BESTF-5 Energy Storage Resource Single Model Registration and Charging Restrictions in Emergency Conditions;
- NOGRR209, Related to NPPR1003, Elimination of References to Resource Asset Registration Form, as amended by the August 3, 2020 ERCOT comments;
- NOGRR212, Related to NPPR1016, Clarify Requirements for Distribution Generation Resources (DGRs) and Distribution Energy Storage Resources (DESRs);
- OBDRR018, Related to NPPR1003, Elimination of References to Resource Asset Registration Form – Procedure for Identifying Resource Nodes;
- OBDRR019, Related to NPPR1003, Elimination of References to Resource Asset Registration Form – Requirements for Aggregate Load Resource Participation in the ERCOT Markets;
- PGRR074, Related to NPPR973, Add Definitions for Generator Step-Up and Main Power Transformer;
- PGRR076, Improvements to Generation Resource Interconnection or Change Request (GINR) Process;
- PGRR078, Market Data Transparency Update for Planning Postings;
- PGRR079, Related to NPPR1003, Elimination of References to Resource Asset Registration Form;
- PGRR080, Updated Responsibilities for Performing GMD Vulnerability Assessments;
- RRGRR022, Related to NPPR973, Add Definitions for Generator Step-Up and Main Power Transformer;
- RRGRR024, Related to NPPR1003, Elimination of References to Resource Asset Registration Form;
- RRGRR026, Related to NPPR1016, Clarify Requirements for Distribution Generation Resources (DGRs) and Distribution Energy Storage Resources (DESRs);
- SCR810, EMS System Change to Count DC Ties towards the 2% Constraint Activation Criterion;
- VCMRR027, Related to NPPR986, BESTF-2 Energy Storage Resource Energy Offer Curves, Pricing, Dispatch, and Mitigation;



- VCMRR029, Related to NPRR1003, Elimination of References to Resource Asset Registration Form; and
- ERCOT Methodologies for Determining Minimum Ancillary Service Requirements – Changes Related to NPRR1003.

Mr. Magness moved to approve the Consent Agenda, with the exception of RRGR023, as presented and as recommended by TAC, and with NOGR029 also as amended by the August 3, 2020 ERCOT Comments. Mark Carpenter seconded the motion. The motion passed by unanimous voice vote with no abstentions.

Chief Executive Officer (CEO) Presentation and CEO Update (Agenda Item 3 and 3.1)

Mr. Magness presented the CEO Update. He highlighted the Resource Integration and Ongoing Operations (RIOO) project and the ERCOT Passport Program, and thanked the Commission for approving ERCOT's proposed amendments to the ERCOT Bylaws, which clarify the urgent business the Board may conduct at meetings by teleconference, on an expedited basis. He thanked ERCOT's 2020 summer interns for their contributions to the company. Mr. Magness responded to questions and comments from Board members.

Emerging Grid and Planning Matters (Agenda Item 4)

Woody Rickerson presented the Emerging Grid and Planning Matters and responded to questions and comments from Board members.

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

Chairman Crowell reported that IMM Director Carrie Bivens would not be providing an oral presentation for the IMM Report, but that she was available to answer any questions. There were no questions or comments from Board members.

RRGR023, Related to NPRR1002, BESTF-5 Energy Storage Resource Single Model Registration and Charging Restrictions in Emergency Conditions; TAC Report; (Agenda Items 2.1.30 and 6)

Bob Helton, TAC Chairman, presented RRGR023, Related to NPRR1002, BESTF-5 Energy Storage Resource Single Model Registration and Charging Restrictions in Emergency Conditions. He reported that ERCOT had filed comments recommending that RRGR023 be remanded to TAC, as Mr. Magness had discussed earlier during the presentation of the Consent Agenda (Agenda Item 2). There were no questions or comments from Board members.

Mr. Magness moved to remand RRGR023 to TAC until related Revision Requests are ready for the Board's consideration. Chairman Crowell seconded the motion. The motion passed unanimous voice vote with no abstentions.

Mr. Helton presented the TAC Report. There were no questions or comments from Board members.

Real-Time Co-optimization (RTC) Task Force (RTCTF) Update (Agenda Item 6.1)

Matt Mereness, RTCTF Chair, presented the RTCTF Update. There were no questions or comments from Board members.



Deletion of Eagle Pass DC Tie Load Zone (Agenda Item 7)

Sandip Sharma presented the Deletion of Eagle Pass Direct Current Tie Load Zone. There were no questions or comments from Board members.

Nick Fehrenbach moved to approve the deletion of the Eagle Pass (DC_S) DC Tie Load Zone as presented. Clifton Karnei seconded the motion. The motion passed by unanimous voice with no abstentions.

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 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 2019 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)

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

2021 ERCOT Board Meeting and Annual Meeting Schedule and (Agenda Item 9.1)

Mr. Pfirrmann presented the 2021 ERCOT Board Meeting and Annual Meeting Schedule. There were no questions or comments from Board members.

Mr. Pfirrmann moved to approve the 2021 ERCOT Board Meeting and Annual Meeting Schedule as presented. Peter Cramton seconded the motion. The motion passed by unanimous voice vote with no abstentions.

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 Urgent Business (Agenda Item 11)

No other urgent business was discussed at this time.

Convene Executive Session

Chairman Crowell recessed General Session at approximately 12:17 p.m. and convened Executive Session at approximately 12:40 p.m. Chairman Crowell reconvened General Session at approximate 2:09 p.m.



Vote on Matters from Executive Session (Agenda Item 12)

Chairman Crowell entertained motions for two matters discussed during Executive Session.

Mr. Bulger moved to select the Independent Financial Auditor to perform ERCOT's financial statements audit and Form 990 review 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.

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 2:11 p.m.

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

Vickie G. Leady
Assistant Corporate Secretary