

## Minutes Board of Trustees

November 16, 2022 | 9:30 a.m.–1:00 p.m. Central

JW Marriott  
614 Canal Street  
New Orleans, LA 70130

### Call to Order

Mr. Kenneth W. DeFontes, Jr., Chair, called to order the duly noticed open meeting of the Board of Trustees (the Board) of the North American Electric Reliability Corporation (NERC or the Corporation) on November 16, 2022, at 9:30 a.m. Central, and a quorum was declared present.

Present at the meeting were:

### Board Members

Kenneth W. DeFontes, Jr., Chair  
George S. Hawkins, Vice Chair  
Jane Allen  
Robert G. Clarke  
Larry Irving  
Suzanne Keenan  
Susan Kelly  
Robin E. Manning  
Jim Piro  
James B. Robb, President and Chief Executive Officer  
Colleen Sidford  
Roy Thilly

### NERC Staff

Tina Buzzard, Assistant Corporate Secretary  
Manny Cancel, Senior Vice President and Chief Executive Officer of the E-ISAC  
Howard Gugel, Vice President, Engineering and Standards  
Kelly Hanson, Senior Vice President and Chief Administrative Officer  
Stan Hoptroff, Vice President, Business Technology  
Mark G. Lauby, Senior Vice President and Chief Engineer  
Sônia Mendonça, Senior Vice President, General Counsel, and Corporate Secretary  
Kimberly Mielcarek, Vice President, Communications  
John Moura, Director, Reliability Assessment and Performance Analysis  
Lauren Perotti, Senior Counsel  
Donna Pratt, Manager, Performance Analysis  
Bryan Preston, Vice President, People and Culture  
Janet Sena, Senior Vice President, External Affairs  
Andy Sharp, Vice President and Chief Financial Officer

## **NERC Antitrust Compliance Guidelines**

Mr. DeFontes noted the public nature of the meeting and directed the participants' attention to the NERC Antitrust Compliance Guidelines included in the advance meeting materials. He stated that any additional questions regarding these guidelines should be directed to Ms. Mendonça.

## **Introduction and Chair's Remarks**

Mr. DeFontes welcomed all of the attendees to the meeting, including Mr. Drew Marsh, CEO, Entergy; Commissioner James Danly, Federal Energy Regulatory Commission; Mr. Puesh Kumar, Director, Office of Cybersecurity, Energy Security, and Emergency Response, U.S. Department of Energy; and Mr. David Morton, Chair, CAMPUT. Mr. DeFontes remarked on the engaged discussion at the Board Committee and Member Representatives Committee (MRC) meetings.

## **Consent Agenda**

Upon motion duly made and seconded, the Board approved the consent agenda as follows:

### **Minutes**

The draft minutes for the October 26, 2022 and August 18, 2022 meetings were approved as presented to the Board at this meeting.

### **Committee Membership**

#### **Compliance and Certification Committee Membership**

**RESOLVED**, that the Board hereby appoints the following individuals to the Compliance and Certification Committee ("CCC"), each for a three-year term from January 1, 2023 – December 31, 2025, as follows:

- James C. Crawford III, Burns & McDonnell, At-large
- Marcus Freeman, Electricities of North Carolina, Inc., Transmission-Dependent Utility
- Mark Hegerle, Federal Energy Regulatory Commission, U.S. Federal
- Justin MacDonald, Midwest Energy, Cooperative Utility
- Steven H. McElhaney, Cooperative Energy, At-large
- Silvia Parada Mitchell, NextEra Energy Resources, LLC, Merchant Electricity Generator
- Ashley Stringer, Oklahoma Gas and Electric Company, At-large
- Devon Tremont, Taunton Municipal Lighting Plant, State/Municipal Utility

**FURTHER RESOLVED**, that the Board hereby appoints to the CCC Robert Hirschak, Cleco Corporation, Electricity Marketer, for a term from February 1, 2023 – December 31, 2024.

#### **Personnel Certification Governance Committee Membership**

**RESOLVED**, that the Board hereby appoints the following individuals to the Personnel Certification Governance Committee ("PCGC"), each for a two-year term ending December 31, 2024, as follows:

- Cory Danson, Power Operations Advisor, WAPA
- Mark Thomas, Manager, NERC/CIP Compliance, Entergy

- Marty Sas, Senior Lead Engineer, RAPA & Technical Services, SERC
- Steve Rainwater, Senior Training Specialist, ERCOT

### **Governance Documents Amendments**

**RESOLVED**, that the Board hereby approves the revised CCC procedure document CCCPP-008-2, Program for Monitoring Stakeholders' Perceptions, substantially in the form presented to the Board at this meeting.

**RESOLVED**, that the Board hereby approves the revised CCC procedure document CCCPP-010-7, Criteria for Annual Regional Entity Program Evaluation, substantially in the form presented to the Board at this meeting.

### **Regular Agenda**

#### **Remarks by Drew Marsh, CEO, Entergy**

Mr. DeFontes introduced Mr. Marsh of Entergy. Mr. Marsh welcomed the participants to New Orleans. He remarked on the industrial load growth in the Entergy service territory and the challenge of serving that growth with cleaner energy sources. Mr. Marsh remarked on Entergy's ongoing efforts to enhance its system's resiliency to storms, noting that the economic analysis for determining infrastructure investments must take into consideration the increasingly important role electricity plays in modern society.

#### **Remarks by James Danly, Commissioner, FERC**

Mr. Robb introduced Commissioner Danly of FERC. Commissioner Danly remarked on the continuing grid transformation and the need to address the associated reliability issues promptly. He highlighted the need to ensure that the markets are providing the proper incentives to ensure the adequacy of ancillary services for reliability. Commissioner Danly called for continued coordination between FERC and NERC on these issues to ensure the continued reliability of the grid.

#### **Remarks by Puesh Kumar, Director, Office of CESER, DOE**

Mr. Robb introduced Mr. Kumar of DOE. Mr. Kumar remarked on the ongoing transformation of the energy resource mix and the need for state and federal regulators, NERC, and industry to work together to address issues of resiliency and reliability. He discussed key drivers in future change, including growing investments in clean energy, changed customer demands, and creation of new technologies. Mr. Kumar discussed the role of Reliability Standards in addressing the changing grid, the need for NERC, DOE, and FERC to coordinate on enhanced modeling and assessments to inform decisionmaking at the state and federal levels, and the need for enhanced coordination between federal and state policymakers to effectively leverage new funding sources. Mr. Kumar also remarked on the evolving cybersecurity threat, highlighting the DOE's focus on collaboration with the E-ISAC and industry through programs like CRISP, supply chain risk management, and harmonizing and optimizing requirements for incident response. Mr. Kumar concluded his remarks by noting the role of NERC Reliability Standards and other tools to address cyber threats.

#### **Remarks by David Morton, CAMPUT Representative to NERC**

Mr. DeFontes introduced Mr. Morton of CAMPUT. Mr. Morton remarked on the ongoing collaboration between NERC and the Canadian regulators, highlighting recent collaboration on compliance audits and addressing pressing reliability challenges. He noted that CAMPUT invited to the Board to its May 2023 meeting in Toronto, ON to foster increased collaboration between NERC and the Canadian regulators.

#### **President's Report**

Mr. Robb provided the president's report. He remarked on important developments since the August meeting, including the completion of the first round of cold weather Reliability Standards to address the causes of the

February 2021 winter event affecting Texas and the south central United States, recent coordination with FERC and the National Association of Regulatory Utility Commissioners, and NERC and Regional Entity work on sustaining accurate facility ratings. Mr. Robb highlighted the results of NERC's reliability assessments and underscored the need for NERC and industry to manage the integration of new inverter based resources to ensure continued grid reliability. He also noted the recent approval of the NERC and Regional Entity 2023 business plans and budgets, and how the 2023 budget reflects investments in resources and technology in four focus areas: energy, security, agility, and sustainability. He discussed how each of these focus areas will require tremendous work.

Mr. Robb concluded his remarks by stating that the grid continues to remain reliable and resilient, despite the challenges posed by the changing resource mix, the increasingly relevant role of weather, and an ever-increasing cyber threat. Mr. Robb noted that managing and addressing these challenges will be the central priority for reliability, and he thanked NERC's stakeholders for their work in this important effort.

Mr. Robb then introduced Mr. Jason Blake, CEO of SERC, and Co-chair of the ERO Executive Group. Mr. Blake remarked on how the CIP Reliability Standards have advanced the cybersecurity posture of the industry. He discussed the need for strong programs, strategic focus, and thoughtful use of resources to address today's challenges. Mr. Blake remarked on the recent audits of the Regional Entity Compliance Monitoring and Enforcement Programs, noting successes and areas for further improvement. He also remarked on the coordination among the ERO Enterprise on strategic focus areas and efforts to provide useful information to industry on reliability challenges, including a publication on facility ratings.

### **Report on the November 15, 2022 Closed Meeting**

Mr. DeFontes reported that on November 15, 2022 (as is its custom), the Board met in closed session with NERC management to review NERC management activities. The Board discussed Reliability Standards items presented at this meeting, the Board's resolutions for this meeting, and feedback on policy input and the MRC meeting. The Board also discussed the recent FERC order approving the ERO Enterprise budget and adjourned into executive session with the General Counsel to discuss confidential matters.

## **Board Committee Reports**

### **Corporate Governance and Human Resources**

Ms. Keenan, Committee Chair, reported on recent Committee meetings. At the November 7, 2022 open meeting, the Committee reviewed its strategy for building a more effective and efficient governing process. The Committee also received updates on trustee compensation and the status of the Washington, D.C. office. She reported that the Board will move to a new schedule in 2023, with two meetings held in person in February and August, with the May meeting being a Board/MRC meeting. Ms. Keenan also reported that the Board will hold a meeting to address governance matters in early December. At the November 15, 2022 closed meeting, the Committee reviewed NERC recruiting and leadership development efforts and the standing committee charters. The Committee also met in executive session with the CEO and the Vice President, People and Culture to discuss HR matters, and without staff to discuss other confidential matters.

### **Compliance**

Mr. Manning, Committee Chair, reported on recent Committee meetings. At the November 1, 2022 closed meeting, the Committee reviewed Regional Entity audits under Appendix 4A to the Rules of Procedure and received updates on Compliance Monitoring and Enforcement Program (CMEP) trends, significant CMEP matters, and work on Facility Ratings. The Committee also adjourned into executive session to discuss a confidential matter. At the November 7, 2022 open meeting, the Committee received updates on the 2023 CMEP Implementation Plan and ERO Enterprise themes and best practices for sustaining accurate facility ratings.

## **Finance and Audit**

Mr. Piro, Committee Chair, reported on recent meetings of the Committee. At the November 1, 2022 closed meeting, the Committee reviewed the savings and investment plan audit and reported that it was a clean audit with no findings. The Committee reviewed the form 550, compliance testing for 2021, and the financial statement audit plan for 2022. The Committee also received updates on the 2022 audit plan and activities and approved the 2023 internal audit plan. The Committee adjourned into executive sessions with NERC's outside auditor and with the Director of Internal Audit.

Mr. Piro reported that, at its November 7, 2022 open meeting, the Committee reviewed and recommended for Board acceptance the Third Quarter Statement of Activities. Upon motion duly made and seconded, the Board approved the following resolution:

**RESOLVED**, that the Board, upon recommendation of the FAC, hereby accepts the Third Quarter 2022 NERC, Combined ERO Enterprise, and Regional Entity Unaudited Statement of Activities, as presented to the Board at this meeting.

Mr. Piro also reported that the Committee received updates on the 2023 business plan and budget and reviewed the proposed 2024 business plan and budget schedule.

## **Enterprise-wide Risk**

Ms. Sidford, Committee Chair, reported on the Committee's closed meeting on November 1, 2022. At its meeting, the Committee received updates from Mr. Scott Tomashefsky, Chair of the Compliance and Certification Committee (CCC) on the revised CCC procedures, and from Mr. Jason Blake, President and CEO of SERC, regarding the Regional Entity perspective on the recent CMEP audits. The Committee also received updates on Internal Audit activity and the enterprise risk management plan, received an overview of NERC's process for handling confidential/sensitive data, and concluded in executive session.

## **Technology and Security**

Ms. Allen, Committee Chair, reported on recent meetings of the Committee. At the November 1, 2022 closed meeting, the Committee received an update on the ERO Enterprise security posture and received cyber security training. At the Committee's November 7, 2022 open meeting, the Committee received updates on E-ISAC operations and NERC's 2023 plans for certain ERO applications.

## **Nominating**

Mr. Clarke, Committee Chair, reported that the Committee met on August 16 to review a candidate slate and met subsequently to select a slate of candidates for interviews. He reported that the Committee will meet on November 17-18 to conduct candidate interviews, and it will meet again in December to recommend a final candidate for election by the MRC at the February 2023 meeting.

## **Report by Roy Thilly on RSTC Quarterly Activities**

Mr. Thilly, Liaison to the RSTC, reported on the recent activities of the RSTC. Mr. Thilly reported that the Committee continues to discuss key reliability issues, including integration of inverter-based resources and distributed energy resources. He remarked that the RSTC continues to endorse Standard Authorization Requests to initiate standards projects to address these issues and plans to triage these projects to ensure the most pressing needs are being addressed first.

## **Report by Susan Kelly on Standards Quarterly Activities**

Ms. Kelly, Liaison to the Standards Committee, reported on actions taken at recent meetings, including action to endorse the 2023-2025 Reliability Standards Development Plan. She also reported on the recent recommendations

of the Standards Process Stakeholder Engagement Group to enhance NERC's standard processes and thanked Standards Committee Chair Amy Casuscelli for her contributions to this group.

## **Standards Quarterly Report and Actions**

### **Project 2020-03 Supply Chain Low Impact Revisions**

Mr. Gugel presented proposed Reliability Standard CIP-003-9, highlighting that the proposed standard was developed to address the risk of low impact Bulk Electric System Cyber Systems with remote electronic access connectivity identified in NERC Staff's Supply Chain Risk Assessment Report, consistent with the resolution adopted by the NERC Board at its February 2020 meeting.

Upon motion duly made and seconded, the Board approved the following resolutions:

**RESOLVED**, that the Board hereby adopts the proposed Reliability Standard CIP-003-9, as presented to the Board at this meeting.

**FURTHER RESOLVED**, that the Board hereby approves the Violation Risk Factors and Violation Severity Levels for the proposed Reliability Standard, as presented to the Board at this meeting.

**FURTHER RESOLVED**, that the Board hereby approves the associated implementation plan for the above-listed standard, as presented to the Board at this meeting.

**FURTHER RESOLVED**, that the Board hereby approves the proposed retirement of Reliability Standard CIP-003-8, as presented to the Board at this meeting.

**FURTHER RESOLVED**, that NERC management is hereby authorized to make the appropriate filings with ERO governmental authorities and take such further actions and make such further filings as are necessary and appropriate to effectuate the intent of the foregoing resolutions.

### **Reliability Standards Development Plan**

Mr. Gugel presented the 2023-2025 Reliability Standards Development plan, noting that is a snapshot of current Reliability Standards projects and must be filed with the applicable governmental authorities. Upon motion duly made and seconded, the Board approved the following resolutions:

**RESOLVED**, that the Board hereby approves the 2023-2025 Reliability Standards Development Plan, substantially in the form presented to the Board at this meeting, subject to the addition of any new Standard Authorization Requests or directives that are received prior to submission to the applicable governmental authorities.

**FURTHER RESOLVED**, that NERC management is hereby authorized to make the appropriate filings with ERO governmental authorities and take such further actions and make such further filings as are necessary and appropriate to effectuate the intent of the foregoing resolution.

### **Low Impact Criteria Review Team**

Mr. Gugel presented the findings and recommendations of the Low Impact Criteria Review Team, noting that this team was convened in response to the resolution approved by the Board at its February 2021 meeting to direct NERC staff, working with stakeholders, to expeditiously complete a broader review and analysis on facilities that house low impact BES Cyber Assets and report on whether and how the low impact criteria in the CIP Reliability Standards should be modified. Mr. Gugel highlighted recommendations to revise the CIP Reliability Standards, develop security guidelines, and perform risk monitoring. He noted that, upon the Board's acceptance of the report, NERC staff would

work with the team to implement the recommendations, including creating a Standard Authorization Request to address the recommended Reliability Standard changes and working with the RSTC to include the development of recommended guidance into its work plan.

Upon motion duly made and seconded, the Board approved the following resolutions:

**WHEREAS**, communications, information technology, and industrial control systems provide various opportunities for adversaries to initiate a coordinated cyber attack, thereby presenting Bulk Electric System (BES) security risk;

**WHEREAS**, the NERC CIP Supply Chain Reliability Standards are applicable to high and medium impact BES Cyber Systems, consistent with the risk-based framework of the CIP Reliability Standards;

**WHEREAS**, NERC staff's analysis of registered entity data showed that, while an individual compromise to any one low impact BES Cyber System would generally be a localized event, a coordinated cyber attack with control of multiple BES Cyber Asset facility Systems may result in an interconnection-wide BES event;

**WHEREAS**, the Board, in light of cybersecurity events and the evolving threat landscape, directed NERC Staff at its February 2021 meeting to expeditiously complete Staff's broader review and analysis on facilities that house low impact BES Cyber Assets and report on whether the low impact criteria should be modified;

**WHEREAS**, NERC Staff convened a representative group of industry stakeholders, the Low Impact Criteria Review Team, to discuss the potential threat and risk posed by a coordinated cyber attack on low impact BES Cyber Systems;

**WHEREAS**, this team has provided the Board with its report and recommendations to address this risk, including recommendations for further revisions to the CIP Reliability Standards, the development of security guidelines, and risk monitoring;

**NOW, THEREFORE, BE IT RESOLVED**, that the Board hereby accepts the recommendations of the Low Impact Criteria Review team, as presented to the Board at this meeting.

### **Standard Process Improvement Opportunities**

Mr. DeFontes introduced the topic, noting that the standard process improvement project was initiated at the direction of the Board at its February 2022 meeting, and that he directed a representative group of industry stakeholders and trustees be convened to recommend standards process improvements. Mr. DeFontes thanked the stakeholder group for their work developing a set of well-reasoned and comprehensive set of consensus recommendations for standards process improvements. He also thanked the MRC for its policy input on the recommendations and reported that the Board discussed this policy input in great detail in determining how to move forward.

Mr. Thilly echoed his appreciation for the MRC policy input. He noted that the majority of the policy input was supportive of the recommended improvements, but concerns have been raised about several of the recommendations; in particular, the proposal to provide the Board with the authority to direct the development of a Reliability Standard to address an urgent reliability issue. Mr. Thilly emphasized the Board's responsibility to ensure that NERC develops Reliability Standards for the bulk power system, and that the Board must have the ability to direct standards development, in the unlikely event the usual stakeholder process fails, to ensure the sustainability of the ERO model.

Mr. Thilly reported that, in consideration of the policy input, certain changes will be made before the proposed changes to the Rules of Procedure will be posted for comment. First, the proposed rule will make clear that the Board's proposed directive authority would be limited to extraordinary circumstances, and the Board would be

required to provide notice of the Board’s reasons for preliminarily concluding that a directive is necessary under the circumstances. Stakeholders would have the opportunity to comment on this notice before the Board may take action. Second, the proposal to have ERO Enterprise staff to draft interpretations will not be pursued. Mr. Thilly reported that the Board believes there is sufficient support for other recommended rules changes, including the proposals to implement tiered requirements for the minimum length of comment periods for draft Reliability Standards and eliminate the requirement for a final ballot, to initiate the formal rule revision process by which those proposals may be further considered. He encouraged stakeholders to provide their feedback when the changes are formally posted for comment. Mr. Thilly also recalled the other recommendations, particularly those for the committees and to initiate a review of the Registered Ballot Body, and reported that the Board intends to move forward with those recommendations.

Mr. DeFontes reported that the Board is strongly committed to moving this initiative forward, with consideration of the policy input provided by the MRC.

After discussion, and upon motion duly made and seconded, the Board approved the following resolutions:

**WHEREAS**, the Board, at its February 10, 2022 meeting directed NERC Staff to examine the body of rules regarding Reliability Standards development and, considering the feedback of stakeholders, recommend such changes that would improve NERC’s ability to address urgent reliability needs with appropriate agility, while also maintaining reasonable notice and opportunity for public comment, due process, openness, and balance of interests;

**WHEREAS**, Chair DeFontes appointed the Standards Process Stakeholder Engagement Group (“SPSEG”) to consider the preliminary recommendations of NERC Staff and recommend changes to NERC’s standard development processes that would improve NERC’s ability to address urgent reliability needs with appropriate agility, while also maintaining reasonable notice and opportunity for public comment, due process, openness, and balance of interests in standards development;

**WHEREAS**, the Board extends its most sincere appreciation to the members of the SPSEG for their work on this important NERC initiative:

Amy Casuscelli, Chair, Standards Committee  
Paul Choudhury, Immediate Past Chair, Member Representatives Committee  
Jennifer Flandermeyer, Vice Chair, Member Representatives Committee  
Greg Ford, Chair, Reliability and Security Technical Committee  
Rich Hydzik, Vice Chair, Reliability and Security Technical Committee  
Roy Jones, Chair, Member Representatives Committee  
Commissioner Matt Schuerger, Member Representatives Committee  
Brian Allen Slocum, Chair, Reliability Issues Steering Committee  
Scott Tomashefsky, Chair, NERC Compliance and Certification Committee  
Sue Kelly, NERC Board of Trustees  
Rob Manning, NERC Board of Trustees  
Roy Thilly, SPSEG Chair, NERC Board of Trustees

**WHEREAS**, the SPSEG submitted its unanimous recommendations for standards process changes to the Board on October 10, 2022, consisting of recommended changes to Section 300 of the NERC Rules of Procedure and Appendix 3A to the NERC Rules of Procedure *Standard Processes Manual*, as well as recommendations for the standing committees to facilitate effective administration and coordination in the development of standards;

**WHEREAS**, the Board has considered the policy input of the Member Representatives Committee (“MRC”) on the recommendations and identified a number of revisions to be made prior to the formal posting process to address several concerns, including, in particular, the extraordinary nature of the authority recommended in proposed Rules of Procedure Section 322 and the importance of stakeholder engagement in the standards development process;

**WHEREAS**, the Board has determined that, following consideration of the MRC policy input, and incorporation of appropriate revisions recommended in such input by NERC Staff, the recommendations should be considered for implementation through the usual processes;

**NOW, THEREFORE, BE IT RESOLVED**, that the Board hereby directs that the recommended changes to Section 300 of the Rules of Procedure be posted for public comment, as revised, as appropriate by NERC Staff to address the policy input provided by the MRC, in accordance with Section 1400 of the NERC Rules of Procedure, Amendments to the NERC Rules of Procedure.

**BE IT FURTHER RESOLVED**, that the Board hereby requests the Standards Committee promptly submit the recommended changes to Appendix 3A to the NERC Rules of Procedure, *Standard Processes Manual*, as revised, as appropriate by NERC Staff to address the policy input provided by the MRC, for comment and then ballot under Section 15.0 of the *Standard Processes Manual*, Process for Updating Standard Processes.

**BE IT FURTHER RESOLVED**, that the Board hereby directs NERC Staff to coordinate with the Standards Committee, the Reliability and Security Technical Committee, and the Standing Committee Coordinating Group regarding implementation of the recommendations addressed to each body.

**BE IT FURTHER RESOLVED**, that the Board hereby directs NERC Staff to initiate a review of the Registered Ballot Body for continued fairness, openness, inclusivity, and balance in standards voting.

**BE IT FURTHER RESOLVED**, that the Board hereby directs NERC Staff to report to the Board on the status of these efforts at its February 2023 meeting.

Mr. DeFontes concluded the discussion by expressing his appreciation to the stakeholder group and to the MRC for its input and for the opportunity to modify the recommended proposals based on that input.

## **Other Matters and Reports**

### **Policy Input and Member Representatives Committee Meeting**

Mr. DeFontes referred to the discussion of policy input items and technical updates at the November 15, 2022 Member Representatives Committee meeting.

### **2023 Work Plan Priorities**

Ms. Hanson presented the 2023 Work Plan Priorities, with priorities in the key focus areas of energy, security, agility, and sustainability. Upon motion duly made and seconded, the Board approved the following resolution:

**RESOLVED**, that the Board hereby approves the 2023 ERO Enterprise Work Plan Priorities, substantially in the form presented to the Board at this meeting.

### **Generating Availability Data System (GADS) Data Request for Utility-Scale Solar Plants and Updates for GADS Wind and Conventional GADS**

Mr. Moura and Ms. Pratt presented the proposed Section 1600 Data Request, noting that NERC is requesting an update to the current GADS Section 1600 data request to include new data collection for solar resources and extend

of current data requirements for GADS Wind and Conventional GADS to improve NERC's ability to track the changing resource mix and evaluate the performance of the generating fleet. Ms. Pratt recalled the process to develop the proposed request, reporting that the RSTC endorsed the request on October 6, 2022.

After discussion, and upon motion duly made and seconded, the Board approved the following resolution:

**RESOLVED**, that the Board hereby approves the GADS Section 1600 data request, substantially in the form presented to the Board at this meeting, to become effective January 1, 2024.

### **2022 Long-Term Reliability Assessment Preview**

Mr. Moura provided a preview of the 2022 Long-Term Reliability Assessment (LTRA). He highlighted the key findings, including increased risks of electricity shortfalls in some areas during forecasted or extreme conditions over the next five years. Mr. Moura also highlighted projected changes in the resource mix, including the expected growth of solar and expected retirements in fossil and nuclear fuel generation, projected increases in 10-year peak demand, and steady trends in transmission projects. He noted that the LTRA will be submitted to the Board for its acceptance on December 14, 2022.

### **2022-2023 Winter Reliability Assessment Preview**

Mr. Olson provided a preview of the 2022-2023 Winter Reliability Assessment (WRA). He highlighted the key findings, including that a large portion of the North American bulk power system is at risk of insufficient electricity supplies during peak winter conditions. Factors contributing to this risk include higher peak-demand projections, generator retirements, generator vulnerability to cold weather, and fuel supply and natural gas infrastructure limitations. Mr. Olson highlighted key actions that can be taken to prepare for reliable operations for this winter, including actions for generators and state regulators/policy makers.

### **Credential Maintenance Research Project**

Mr. Cory Danson, Personnel Certification Governance Committee Chair, provided an update on the Credential Maintenance Research Project, a project to examine current credential maintenance continuing education hours for NERC certified system operators and whether the four existing NERC credentials should be consolidated into one credential. He discussed the work that has been undertaken in 2022 to examine and evaluate NERC's credential maintenance practices, and explained that this work will inform recommendations for program enhancements later in 2023.

### **ERO Enterprise Reliability Indicators**

Mr. DeFontes referred to the materials included in the advance agenda package.

## **Committee Reports**

### **Member Representatives Committee**

Ms. Jennifer Flandermeyer, Committee Chair-elect, provided a summary of the Committee meeting held on November 15, 2022, highlighting discussion of policy input.

### **Personnel Certification Governance Committee**

Mr. DeFontes referenced the Committee report included in the advance agenda package.

### **Standards Committee**

Ms. Amy Casuscelli, Committee Chair, provided an update on the activities of the Committee, referencing the materials provided in the advance agenda package. She highlighted the results of the recent term elections, progress on the cold weather standards project, and the recommendations for standards process improvements.

### **Compliance and Certification Committee**

Mr. Scott Tomaszewski, Committee Chair, provided an update on the activities of the Committee, referencing the materials provided in the advance agenda package. He highlighted the role of compliance in the recommended standard process improvements.

### **Reliability and Security Technical Committee**

Mr. Rich Hydzik, Committee Vice Chair, provided an update on the activities of the Committee, referencing the materials provided in the advance agenda package. He highlighted the Committee's work on distributed energy resources, including evaluating recommended changes to the Reliability Standards and prioritization.

### **Reliability Issues Steering Committee**

Mr. Brian Slocum, Committee Chair, provided an update on the activities of the Committee, highlighting work to prepare for the 2023 Reliability Leadership Summit.

### **Electricity Subsector Coordinating Council**

Mr. Robb reported on recent Electricity Subsector Coordinating Council activities, including discussion of tropical storms and focus sessions with the ESCC's government counterparts on reliability assessment work and improving interagency coordination.

### **Forum and Group Reports**

#### **North American Energy Standards Board**

Mr. Michael Desselle, Chair of the NAESB Board of Directors, provided an update on NAESB activities in areas of mutual interest, including natural gas-electric coordination.

#### **North American Transmission Forum**

Mr. Tom Galloway, Forum Chair, provided an update on NATF activities, referring to the report contained in the advance agenda package. He highlighted NATF work on supply chain risk mitigation and facility ratings, including FERC Order No. 881 regarding ambient-adjusted ratings.

#### **North American Generator Forum**

Mr. DeFontes referred to the Forum report included in the advance agenda materials.

### **Other Matters and Adjournment**

There being no further business, and upon motion duly made and seconded, the meeting was adjourned.

Submitted by,



Sônia Mendonça  
Corporate Secretary