

Agenda

Member Representatives Committee

August 15, 2024 | 8:30 a.m. - 10:30 a.m. Pacific

In-Person

Hyatt Regency Vancouver Room: Regency A/B/C 655 Burrard St. Vancouver, BC V6C 2R7, Canada

Webcast Link: Join Meeting

Attendee Password: Day208152024ATT (32920816 when dialing from a phone)

Audio Only: 1-415-655-0002 US | 1-416-915-8942 Canada | Access Code: 2314 834 6718

Introduction and Chair's Remarks

NERC Antitrust Compliance Guidelines and Public Announcement

Consent Agenda

- 1. Minutes (Approve)
 - a. May 8, 2024 Meeting*
 - b. July 17, 2024 Conference Call*

Regular Agenda

- 2. NERC Bylaws Amendments* (Approve)
- 3. General Updates and Reports
 - a. Board of Trustees Nominating Committee Update*
 - b. Business Plan and Budget Input Group Update*
 - c. Update on FERC Activities*

4. Discussion Items

- a. Energy Adequacy Panel*
- b. Responses to the Board's June 5 Request for MRC Input*
- c. Additional Discussion on August 14 Board Committee Meetings*
 - i. Corporate Governance and Human Resources Committee
 - ii. Finance and Audit Committee
 - iii. Technology and Security Committee



- iv. Regulatory Oversight Committee
- d. Additional Discussion on August 14 Technical Session*
- e. MRC Input and Advice on August 15 Board Agenda Items*
- 5. Update on Implementation of MRC Effectiveness Recommendations*

Informational Items

- 6. Schedule for MRC Officer and Sector Elections*
- 7. Future Meetings
- 8. Regulatory Update*

^{*}Background materials included.



Draft Minutes

Member Representatives Committee

May 8, 2024 | 3:30–5:30 p.m. Eastern Hybrid Meeting

In-Person (Board, MRC, NERC Staff ONLY)
NERC DC Office
1401 H Street NW, Suite 410
Washington, DC 20005

Chair Jennifer Flandermeyer called to order a duly noticed meeting of the Member Representatives Committee (MRC) of the North American Electric Reliability Corporation (NERC) on May 8, 2024, at 3:30 p.m., Eastern, and a quorum was declared present. The agenda and MRC members and their proxies in attendance are attached as **Exhibits A** and **B**, respectively.

Introduction and Chair's Remarks

Chair Flandermeyer welcomed MRC members and virtual attendees, acknowledging the NERC Board of Trustees (Board), Pat Hoffman from the Department of Energy, David Ortiz from the Federal Energy Regulatory Commission (FERC), Anna Le from the Canada Energy Regulator, and CAMPUT representative Derek Olmstead.

NERC Antitrust Compliance Guidelines and Public Announcement

Ms. Iwanechko directed the participants' attention to the NERC Antitrust Compliance Guidelines included in the agenda package and indicated that all questions regarding antitrust compliance or related matters should be directed to Sonia Rocha, senior vice president, general counsel, and corporate secretary at NERC.

Minutes

Upon motion duly made and seconded, the MRC approved the minutes of the February 14, 2024, and April 22, 2024, meetings.

Board of Trustees Nominating Committee Update

Larry Irving, chair of the Board of Trustees Nominating Committee (NC), provided an update on the committee's activities since the last report. The NC met in April to review the procedures for the nomination and election of Trustees and discuss activities for the year. He noted that four Trustees have terms ending in February 2025, with three eligible for re-election and one that is term limited. The NC is targeting to secure a search firm by the end of May to facilitate a search for a new Trustee and will initiate the nomination process when a search firm is hired. The nomination process will include an industry announcement for submissions. The NC also reviewed the Board of Trustees Attributes Dashboard and intends to post the final dashboard by the end of May.



Business Plan and Budget Input Group Update

John Haarlow, chair of the business plan and budget (BP&B) input group, provided an update on the group's activities. The group met twice since the last update, welcoming new members and reviewing the group's guiding principles. During the recent meetings, NERC provided a preview of NERC's 2025 BP&B which represents Year 3 of NERC's 2023-2025 plan, and preliminary projections for 2026 and 2027. NERC also highlighted its preparations for its next three-year plan for 2026-2028, including efforts by NERC and the Regional Entities to update the *ERO Enterprise Long-Term Strategy*.

NERC reviewed the challenges of the risk environment and how they impact NERC's programs and needed resources. NERC also discussed its workforce planning process, including its strategy to optimize resources and fill gaps in the skills and capabilities needed to address not just increasingly technical and complex issues on the grid, but also an increased volume of work with more critical timelines. Conversation among the input group members centered on program impacts in the registration and standards development areas, as well as how the input group can help support messaging around the importance of NERC's investments to its overall mission.

Mr. Haarlow noted that NERC's draft 2025 BP&B will be posted for stakeholder review and comment around May 24, 2024, and the NERC Board Finance and Audit Committee will host a webinar on June 10, 2024, to review the NERC and Regional Entity 2025 BP&Bs.

Update on FERC Activities

David Ortiz, Director, Office of Electric Reliability, provided an update on recent FERC reliability activities, including President Biden's recent announcement of three nominees for FERC, bulk power system performance during the January 2024 arctic winter storms, extreme cold weather reliability standards EOP-011-4 (Emergency Operations) and TOP-002-5 (Operations Planning), March 21, 2024, Notice of Proposed Rulemaking on reactive power compensation, and key expected NERC filings to FERC in 2024.

Report on the May 7 Closed Meeting

Chair Flandermeyer provided a summary of the discussions from the May 7, 2024, closed meeting where the MRC and Board had engaging strategic discussions focused on two primary topics. First, attendees discussed the ERO Enterprise's current efforts to update the ERO Enterprise Long-Term Strategy. The ERO Enterprise will consider and incorporate the feedback from the discussion into the draft strategy, which will be included in the Board's next input letter for the MRC. In response to feedback from the MRC, the upcoming input letter will be distributed earlier than the original July date to provide additional time for MRC input on this important effort. Second, attendees discussed engagement among the Board and MRC, including MRC input to the Board and how the MRC can help to ensure that NERC is successful in executing its mission. MRC and Board members acknowledged the value of the candid conversation and expressed encouragement from the discussions and how feedback was received.

Additional Discussion on May 8 Board Committee Meetings

Chair Flandermeyer reminded attendees that full presentations were conducted at the Board committee meetings and would not be repeated during the MRC meeting. As a follow up to discussions during the Technology and Security Committee meeting, an MRC member requested clarity on what the Board is



interested in receiving industry input on the Secure Evidence Locker. Chair Flandermeyer stated that MRC leadership would work with NERC to identify questions around the Secure Evidence Locker to share with MRC members. Attendees did not have any additional comments related to the Board's Corporate Governance and Human Resources, Finance and Audit, Technology and Security, and Regulatory Oversight Committee meetings.

Additional Discussion on May 8 Technical Session

MRC members engaged in additional discussion around the electrification presentation and discussion, acknowledging different perspectives on issues. NERC acknowledged it would consider including the topic as part of the next Reliability Issues Steering Committee Summit.

NERC suggested a future conversation around topics that may be worthwhile to include in reliability assessments (in particular, the Long-Term Reliability Assessment) and the work that would be required to do so.

An MRC member suggested a future presentation from the Department of Energy on its study on virtual power plants.

MRC Input and Advice on May 9 Board Agenda Items

Attendees did not have comments on the topics included on the Board's agenda for its meeting the next day.

Update on Implementation of MRC Effectiveness Recommendations

Chair Flandermeyer provided an update on the implementation of the MRC effectiveness recommendations that were adopted by the MRC at its February 2024 meeting. She acknowledged five recommendations that were completed, highlighting the adjusted format for the MRC informational sessions, new secure portal for MRC members, and continuation of the closed strategic sessions with the Board and MRC during the May meeting week.

Chair Flandermeyer noted there are fourteen recommendations either already in progress or planned to start soon and eight that have not yet been started or planned. For those that are in progress or planned, she noted that MRC leadership will be responsible for many of them, but MRC members may be asked to lead and address some.

For those that have not yet been started or planned, many will require more thought and deliberate prioritization. MRC leadership will work on prioritizing those recommendations and solicit volunteers as needed to address them.

Future Meetings

The schedule of future meeting dates was included in the agenda package. Chair Flandermeyer noted that October 29, 2024, is being considered for the virtual MRC meeting in the fourth quarter.



Regulatory Update

The regulatory update, which highlights Canadian affairs, as well as past and future significant FERC filings was included in the agenda package.

Adjournment

There being no further business, the meeting was adjourned.

Submitted by,

Kristin Iwanechko



Draft Minutes Member Representatives Committee Informational Session

July 17, 2024 | 1:00 p.m. – 2:30 p.m. Eastern

Introduction and Chair's Remarks

Chair Jennifer Flandermeyer convened a duly noticed open informational session of the North American Electric Reliability Corporation (NERC) Member Representatives Committee (MRC) via teleconference on July 17, 2024, at 1:00 p.m., Eastern. The meeting announcement and agenda are attached as **Exhibits A** and **B**, respectively.

NERC Antitrust Compliance Guidelines and Public Announcement

Kristin Iwanechko, MRC Secretary, directed the participants' attention to the NERC Antitrust Compliance Guidelines included in the agenda package, and indicated that all questions regarding antitrust compliance or related matters should be directed to Sonia Rocha, senior vice president, general counsel, and corporate secretary at NERC.

Overview of NERC Membership Sectors

Ms. Flandermeyer introduced this item as a continuation of an education series focused on NERC membership sectors that are represented on the MRC. The July 17, 2024, MRC Informational Session highlighted Sector 3: Cooperative Utility, Sector 5: Transmission-Dependent Utility, Sector 6: Merchant Electricity Generator, and Sector 7: Electricity Marketer. The presentations were given by MRC sector representatives and recordings are posted on NERC's YouTube channel.

Review of Third Quarter Meeting Schedule and Preliminary Agenda Topics

Ms. Rocha and Ms. Flandermeyer reviewed the meeting schedule and highlighted key agenda topics for the MRC, Board, Board Committee, and Technical Session meetings being held on August 14-15, 2024, in Vancouver, BC, Canada. A complete list of preliminary agenda topics for the August 2024 meetings was included in the posted agenda package. MRC members should review all agenda materials for the Board and Board Committee meetings and technical session, once posted and available, and attend as many of these meetings as possible.

Input Letter Reminder

Ms. Flandermeyer announced that the Board's request for MRC input was issued on June 5, 2024, and responses are due by Wednesday, July 24, 2024, to Ms. Iwanechko. The Board requested input on the draft *ERO Enterprise Long-Term Strategy*, in addition to preliminary agenda topics for the August 14-15, 2024, meetings referenced in the input letter. There will be time dedicated on the MRC's August 15, 2024, agenda for MRC members to provide input and advice on the Board agenda items after the final package has been posted.



Proxy Reminder

Proxy notifications for the August 15, 2024, meeting must be submitted in writing to Ms. Iwanechko.

Meeting Adjourned

There being no further business, the call was terminated.

Submitted by,

Kristin Iwanechko

Secretary

Proposed Amendments to the North American Electric Reliability Corporation's Bylaws

Action

Approve the proposed amendments to the North American Electric Reliability Corporation's ("NERC") Bylaws ("Bylaws") and authorize staff to file with the Applicable Governmental Authorities.

Background

NERC management proposes to the Member Representatives Committee ("MRC") a set of amendments to its Bylaws to remove the Regional Entity from the membership Sectors and the MRC. The proposed amendments were developed to align with our governance processes treating Regional Entities as our partners in the ERO Enterprise. The proposed amendments are fully supported by the Regional Entities.

Pursuant to Article XIV of the NERC Bylaws, amendments to the NERC Bylaws must be approved by both the MRC and the NERC Board of Trustees ("Board"). The proposed amendments to the Bylaws do not affect NERC's qualifications or ability to function as the Electric Reliability Organization ("ERO") as set forth in Section 215 of the Federal Power Act ("FPA").

The proposed amendments to the Bylaws will be presented to the Board for its consideration at the August 15, 2024 meeting.

Overview

NERC management is proposing amendments to its Bylaws relating to the membership in the corporation and the MRC. Specifically, NERC management seeks to:

- Remove Regional Entities from membership Sectors; and
- remove Regional Entity Sector from the Member Representatives Committee.¹

In addition to these substantive amendments, NERC management proposes to reserve the sections being removed to minimize the impact on our back-end membership software and remaining membership groups.

Timeline

If the proposed changes are approved by the MRC and Board, the following subsequent steps will be taken:

¹ The proposed amendments do not impact any Sector-based NERC Standing Committees, as those committees do not have representation from the Regional Entity Sector.

- NERC will file a petition with the Federal Energy Regulatory Commission ("FERC")
 requesting approval of the proposed amendments to the Bylaws. NERC typically files
 within 30 days of MRC and Board approval;
- Notice of the filing will be posted in the Federal Register, with protests and interventions
 due within a time frame that FERC specifies. When NERC last amended its Bylaws, FERC
 set a 14-day period for protests and interventions;
- FERC will issue a final action;
- If FERC approves the proposed amendments to the Bylaws, the amended Bylaws will go into effect on the date FERC issues the final action; and
- NERC will file notice of Bylaws changes with applicable governmental authorities in the Canadian provinces.

Description of Amendments on Membership and the Composition of the MRC

NERC management proposes to remove references to the Regional Entity Sector from the Bylaws sections below.

Article II – Membership

- Section 4(a) Membership Sectors
- Section 4(a)(xi) Membership Sectors Regional Entity

Article VIII – Member Representatives Committee

• Section 2(vi) – Composition of the Member Representatives Committee

NERC management also proposes to reserve the sections under Article II referencing the Regional Entity Sector with a placeholder reserving each relevant section for future use but proposes not to reserve the relevant section under Article VIII.

AMENDED AND RESTATED BYLAWS

OF THE

NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

ARTICLE I

Definitions

Section 1 — **Definitions** — As used in these Bylaws of the North American Electric Reliability Corporation (hereinafter referred to as "the Corporation"), the terms set forth in this Article I shall have the meanings set forth herein.

"Applicable Governmental Authority" means the Federal Energy Regulatory Commission within the United States and the appropriate governmental authority with subject matter jurisdiction over reliability within Canada and Mexico.

"Board" means the Board of Trustees of the Corporation.

"Bulk Power System" means facilities and control systems necessary for operating an interconnected electric energy transmission network (or any portion thereof) and electric energy from generation facilities needed to maintain transmission system reliability. The term does not include facilities used in the local distribution of electric energy.

"Commission" means the Federal Energy Regulatory Commission.

"Electric Reliability Organization" or "ERO" means the organization that is certified by the Commission under Section 39.3 of its regulations, the purpose of which is to establish and enforce Reliability Standards for the Bulk Power System in the United States. The organization may also have received recognition by applicable governmental authorities in Canada and Mexico to establish and enforce Reliability Standards for the Bulk Power Systems of the respective countries.

"Member" means a member of the Corporation pursuant to Article II of these Bylaws.

"Net Energy for Load (NEL)" means net generation of an electric system plus energy received from others less energy delivered to others through interchange. It includes system losses, but excludes energy required for storage of energy at energy storage facilities. Calculations of Net Energy for Load for all purposes under these Bylaws shall be based on the most recent calendar year for which data on Net Energy for Load of applicable regions of the United States, Canada, and Mexico is available.

"Regional Entity" means an entity having enforcement authority pursuant to 18 C.F.R. § 39.8.

"Reliability Standard" means a requirement to provide for Reliable Operation of the Bulk Power System, including without limiting the foregoing requirements for the operation of existing Bulk Power System facilities, including cybersecurity protection, and the design of planned additions or modifications to such facilities to the extent necessary for Reliable Operation of the Bulk Power System, but shall not include any requirement to enlarge Bulk Power System facilities or to construct new transmission capacity or generation capacity.

"Reliable Operation" means operating the elements of the Bulk Power System within equipment and electric system thermal, voltage, and stability limits so that instability, uncontrolled separation, or cascading failures of the Bulk Power System will not occur as a result of a sudden disturbance, including a cybersecurity incident, or unanticipated failure of system elements.

"Sector" means a group of members of the Corporation that are Bulk Power System owners, operators, or users or other persons and entities with substantially similar interests, including governmental entities, or other persons or entities that have an interest in the Reliable Operation of the North American Bulk Power System, as pertinent to the purposes and operations of the Corporation and the operation of the Bulk Power System, as defined in Article II, Section 4 of these Bylaws. Each Sector shall constitute a class of members for purposes of the New Jersey Nonprofit Corporation Act.

Section 2 — Additional Defined Terms — Additional terms not defined in this Article I are defined in the remainder of these Bylaws.

Section 3 — **Technical Terms** — Technical terms not defined in these Bylaws shall have the definitions set forth in the Federal Power Act, Part 39 of the regulations of the Commission, or the "Glossary of Terms Used in Reliability Standards", in that order of precedence, and if not defined in any of those sources, shall be defined in accordance with their commonly understood and used technical meaning in the electric power industry, including applicable codes and standards.

ARTICLE II Membership

Section 1 — **Members** — Membership in the Corporation is voluntary and is open to any person or entity that has an interest in the Reliable Operation of the North American Bulk Power System and that registers with the Corporation in a Sector, maintains its registration in accordance with this Article II, and complies with the other conditions and obligations of membership specified in these Bylaws.

Membership in a Regional Entity shall not be a condition for membership in the Corporation. The secretary of the Corporation shall maintain a roster of the members of the Corporation.

Section 2 —Membership Initiation and Renewal — Any person or entity that is eligible to be a member of the Corporation in accordance with Article II, Section 1 may become a member by completing, and submitting to the secretary of the Corporation, a membership registration on a form prescribed by the Board. If not a natural person, the member shall designate a representative and an alternative representative with authority to receive notices, cast votes, and execute waivers and consents on behalf of the member. The secretary of the Corporation shall maintain a current roster of the members of the Corporation including each member's designated representative and alternative representative. From time to time, the Board shall establish a date by which members shall submit their registration renewals. All members shall be required to renew their registrations within thirty (30) calendar days of a request by the secretary of the Corporation, using a registration renewal form prescribed by the Board. The secretary of the Corporation shall remove from the roster of members of the Corporation any member that has not submitted a registration renewal within thirty (30) days following a date established by the Board. The secretary shall notify any member that is removed from the roster of members of such removal, by notice sent to such former member's last known address on the records of the Corporation.

Section 3 — Obligations and Conditions of Membership

- a) Each member shall agree, in writing, to accept the responsibility to promote, support, and comply with the purposes and policies of the Corporation as set forth in the Corporation's Certificate of Incorporation, Bylaws, Rules of Procedure, and Reliability Standards as from time to time adopted, approved, or amended.
- b) As an additional condition of membership in the Corporation, each person or entity registering as a member shall be required to execute an agreement with the Corporation, in a form to be specified by the Board, that such person or entity will hold all trustees, officers, employees, and agents of the Corporation, as well as volunteers participating in good faith in the activities of the Corporation, harmless, to the extent permitted by Federal or provincial laws, regulations and rules, for any injury or damage to that member caused by any act or omission of any trustee, officer, employee, agent, or volunteer in the course of performance of his or her duties on behalf of the Corporation, other than for acts of gross negligence, intentional misconduct, or a breach of confidentiality.

Section 4 — Membership Sectors

a) Each member that qualifies for membership in one or more Sectors as defined below shall elect to be assigned to one such Sector: (i) investor-owned utility; (ii) state/municipal utility; (iii) cooperative utility; (iv) federal or provincial utility/power marketing administration; (v) transmission-dependent utility; (vi) merchant electricity generator; (vii) electricity marketer; (viii) large end-use electricity customer; (ix) small end-use electricity customer; (x) independent system operator/regional transmission organization; (xi) Regional Entity [Reserved]; (xii) government representatives; or (xiii) associate. The composition of each Sector shall be as follows:

- i. Investor-owned utility This Sector includes any investor-owned entity with a substantial business interest in ownership and/or operation in any of the asset categories of generation, transmission or distribution. A not-for-profit association that coordinates and helps represent the interests of members of the Sector may be a member of the Sector unless the majority of the other members of the Sector objects.
- ii. State/municipal utility This Sector includes any entity owned by or subject to the governmental authority of a state or municipality, that is engaged in the generation, delivery, and/or sale of electric power to end-use customers primarily within the political boundaries of the state or municipality; and any entity, whose members are municipalities, formed under state law for the purpose of generating, transmitting, or purchasing electricity for sale at wholesale to their members. A not-for-profit association that coordinates and helps represent the interests of members of the Sector may be a member of the Sector unless the majority of the other members of the Sector objects.
- iii. Cooperative utility This Sector includes any non-governmental entity that is incorporated under the laws of the state in which it operates, is owned by and provides electric service to end-use customers at cost, and is governed by a Board of directors that is elected by the membership of the entity; and any non-governmental entity owned by and which provides generation and/or transmission service to such entities. A not-for-profit association that coordinates and helps represent the interests of members of the Sector may be a member of the Sector unless the majority of the other members of the Sector objects.
- iv. Federal or provincial utility/Federal Power Marketing Administration This Sector includes any U.S. federal, Canadian provincial, or Mexican entity that owns and/or operates electric facilities in any of the asset categories of generation, transmission, or distribution; or that functions as a power marketer or power marketing administrator. A not-for-profit association that coordinates and helps represent the interests of members of the Sector may be a member of the Sector unless the majority of the other members of the Sector objects.
- v. Transmission-dependent utility This Sector includes any entity with a regulatory, contractual, or other legal obligation to serve wholesale aggregators or customers or end-use customers and that depends primarily on the transmission systems of third parties to provide this service. A not-for-profit association that coordinates and helps represent the interests of members of the Sector may be a member of the Sector unless the majority of the other members of the Sector objects.
- vi. Merchant electricity generator This Sector includes any entity that owns or operates an electricity generating facility that is not included in an investor-owned Amended and Restated Bylaws of the North American Electric Reliability Corporation

utility's rate base and that does not otherwise fall within any of Sectors (i) through (v). This Sector includes but is not limited to cogenerators, small power producers, and all other nonutility electricity producers such as exempt wholesale generators who sell electricity at wholesale. A not-for-profit association that coordinates and helps represent the interests of members of the Sector may be a member of the Sector unless the majority of the other members of the Sector objects.

- vii. Electricity marketer This Sector includes any entity that is engaged in the activity of buying and selling of wholesale electric power in North America on a physical or financial basis. A not-for-profit association that coordinates and helps represent the interests of members of the Sector may be a member of the Sector unless the majority of the other members of the Sector objects.
- viii. Large end-use electricity customer This Sector includes any entity in North America with at least one service delivery taken at 50 kV or higher (radial supply or facilities dedicated to serve customers) that is not purchased for resale; and any single end-use customer with an average aggregated service load (not purchased for resale) of at least 50,000 MWh annually, excluding cogeneration or other back feed to the serving utility. A not-for-profit association that coordinates and helps represent the interests of members of the Sector may be a member of the Sector unless the majority of the other members of the Sector objects.
 - ix. Small end-use electricity customer This Sector includes persons or entities such as associations, state consumer advocates, or other advocacy organizations that represent the collective interests of groups of electricity end users that take service below 50 kV or havean average aggregated service load (not purchased for resale) of less than 50,000 MWh annually, excluding cogeneration or other back feed to the serving utility. A not-for-profit association that coordinates and helps represent the interests of members of the Sector may be a member of the Sector unless the majority of the other members of the Sector objects. Any individual or entity providing products or services within the previous twelve (12) months related to Bulk Power System reliability to an entity eligible to join another Sector cannot join this Sector.
 - x. Independent system operator/regional transmission organization This Sector includes any entity authorized by the Commission to function as an independent system operator, a regional transmission organization, or a similar organization; comparable entities in Canada and Mexico; the Electric Reliability Council of Texas or its successor; and the Florida Reliability Coordinating Council, or its successor.
- xi. Regional Entity This Sector includes any Regional Entity as defined in Article I, Section 1. [Reserved]

- xii. Government representatives This Sector includes any federal, state, or provincial government department or agency in North America having a regulatory and/or policy interest in wholesale electricity. A not-for-profit association that coordinates and helps represent the interests of members of the Sector may be a member of the Sector unless the majority of the other members of the Sector objects. Entities with regulatory oversight over the Corporation or any Regional Entity, including U.S., Canadian, and Mexican federal agencies and any provincial entity in Canada having statutory oversight over the Corporation or a Regional Entity with respect to the approval and/or enforcement of Reliability Standards, may be nonvoting members of the Member Representatives Committee.
- xiii. Associate This Sector includes all members that do not qualify for one of the Sector membership categories set forth in subsections i. through xii. above. Associates shall have all rights and duties of members except for the right to nominate and elect Member Representatives Committee representatives. Associates shall be entitled to receive all public notices issued by the Corporation and may participate in any public meetings of the Corporation or its committees. At the request of any other Sector, an associate may serve as a representative of such Sector on the Member Representatives Committee and other committees with Sector representation, serve as a proxy for a Sector representative, and may coordinate and deliver such Sector's policy input to the Board. Associates also may serve as at-large members or their proxy on committees that include at-large members.
- b) A candidate for membership shall elect to be assigned to any Sector so long as membership in that Sector is consistent with the candidate's business or other activities. A corporation and its affiliates shall be considered a single member and may register in only one Sector, which may be any single Sector for which the corporation or any of its affiliates is eligible.

Section 5 — **Term of Membership** — Membership in the Corporation shall be retained as long as a member meets its respective qualifications, obligations, and conditions of membership as set forth in this Article II.

Section 6 — Removal — In addition to termination of membership in accordance with Article II, Section 2, the Board, following notice to the member and exercise of appropriate due process procedures, may terminate the membership of a member if in the judgment of the Board that member has violated its obligations and responsibilities to the Corporation. This termination shall require a two-thirds vote of the trustees present and voting at a meeting of the Board at which a quorum of the Board entitled to vote is present. Within thirty (30) days following the action of the Board terminating the membership of a member, the member shall be entitled to appeal such termination to the Commission or to the Applicable Governmental Authority in Canada or Mexico.

ARTICLE III Board of Trustees

Section 1 — Board of Trustees — The business and affairs of the Corporation shall be managed by a Board of Trustees. The Board shall consist of eleven members (the "trustees"), unless it is increased to twelve members pursuant to Section 1a of this Article III. All but one of the trustees shall be "independent" trustees nominated and elected in accordance with the requirements and procedures specified in Sections 2, 3, 4, 5, and 6 of this Article III (the "independent trustees"). The remaining trustee shall be the person elected by the Board, in accordance with Article VI, Section 1, of these Bylaws, to serve as president of the Corporation (the "management trustee"). Each trustee, including the management trustee, shall have one (1) vote on any matter brought before the Board for a vote. All trustees are expected to serve the public interest and to represent the reliability concerns of the entire North American Bulk Power System.

Section 1a — Increase in Number of Trustees — If it deems to be in best interests of the Corporation and its Members, the Board shall have the authority, by resolution, adopted no later than December 1, to increase the number of trustees from eleven to twelve, of which eleven trustees shall be independent trustees, with such increase to be effective as of the date of an annual election of independent trustees pursuant to Section 6 of this Article III. The newly-created independent trustee position shall be filled by election in accordance with Section 6 of this Article III.

Section 1b — Decrease in Number of Trustees — If the Board has previously increased the number of trustees under Section 1a of this Section III, and if it deems to be in the best interests of the Corporation and its Members, the Board shall have the authority, by resolution, adopted by September 1, to decrease the number of trustees from twelve to eleven, of which ten trustees shall be independent trustees, with such decrease to be effective as of the date of an annual election of independent trustees pursuant to Section 6 of this Article III. The decrease in number of trustees shall be effected by eliminating one of the independent trustee positions whose term is expiring as of the date of such annual election of trustees, in which case no election shall be held to replace such trustee.

Section 2 — Composition of Board Based on Country Participation

- a) The Board shall consist of a number of trustees from the United States and from Canada. A trustee from Canada shall be a citizen and resident of Canada. The number of trustees from Canada shall not be less than the percentage of the NEL of Canada to the total NEL of the United States and Canada, times eleven (or times twelve if the number of trustees has been increased to twelve pursuant to Section 1a of this Article III), rounded up to the nearest whole number. For purposes of this Board composition requirement, the management trustee shall be counted as a trustee from Canada if he or she is a Canadian citizen and resident.
- b) When the Corporation receives recognition by appropriate regulatory authorities in Mexico as its Electric Reliability Organization, the number of independent trustees will be Amended and Restated Bylaws of the North American Electric Reliability Corporation

Effective [Date] April 5, 2021

increased by at least one, and the Board composition requirement in subsection (a) will be expanded to include Mexico.

Section 3 — Independent Board Members — The independent trustees shall be elected, shall have the qualifications specified, and shall serve in the manner provided in this section.

- a) An independent trustee is a person who is not (i) an employee of the Corporation, (ii) a user, owner, or operator of the Bulk Power System subject to Reliability Standards, or an officer, director, or employee of such an entity, (iii) an officer, director, or employee of any entity that would reasonably be perceived as having a direct financial interest in the outcome of Board decisions; and is a person who does not have any other relationship that would interfere with the exercise of independent judgment in carrying out the responsibilities of a trustee. Provided, that upon initial election to the Board, an independent trustee shall within ten (10) days terminate any employee, officer, or director position that conflicts with this subparagraph and shall within sixty (60) days terminate any financial interest or other relationship that conflicts with this subparagraph, and prior to such termination shall not participate in discussion of or voting on any matter involving the entity of which the trustee is an employee, officer or director or in which the trustee has the financial interest or other relationship giving rise to the conflict. Independent trustees shall be elected to terms expiring at the annual election of independent trustees occurring in the third year after their election.
- b) Independent trustees shall be nominated and elected pursuant to the nomination and election procedures specified in Sections 4, 5, and 6 of this Article III.

Section 4 — Vacancies on the Board — Should any vacancy on the Board arise from the death, resignation, retirement, disqualification, or removal from office of any independent trustee, or from any other cause, such vacancy shall be filled by electing a trustee at the next annual election of trustees to fill the remainder, if any, of the term of the departed trustee. Provided, that the Board by resolution may in its discretion call a special election to fill any such vacancy for the remainder, if any, of the term of the departed trustee. Any vacancy shall be filled so as to maintain the composition of the Board in accordance with country participation pursuant to Section 2 of this Article III.

Section 5 — Nominating Committee — The Board shall appoint, on an annual basis, or more frequently if needed in the event of a special election pursuant to Article III, Section 4, a nominating committee (the "nominating committee") to recommend candidates (i) to succeed the independent trustees whose terms expire at the next annual election and (ii) to serve the remainder of the term of any independent trustee who ceased to serve as a trustee subsequent to the last annual election of trustees. The nominating committee shall consist of independent trustees who are not standing for reelection at the next annual election and such number of other persons with such qualifications as the Board shall specify, provided, that the nominating committee shall be chaired by an independent trustee who is not standing for reelection during the current year and shall include at least three persons who are also members of the Member Representatives Committee,. Amended and Restated Bylaws of the North American Electric Reliability Corporation

The Board shall establish, by resolution, the procedures to be followed by the nominating committee in identifying and recommending candidates to serve as independent trustees; provided, however, that such procedures shall include a means of permitting members of the Corporation to recommend to the nominating committee candidates for consideration as nominees for independent trustees. The nominating committee shall nominate candidates for election to the Board consistent with the requirements of Article III, Section 2 for Board composition by country participation, and shall also endeavor to nominate candidates for election to the board consistent with the objectives that the board as an entirety reflects expertise in the areas of technical electric operations and reliability, legal, market, financial, and regulatory matters, and familiarity with regional system operation issues; and reflects geographic diversity.

Section 6 — Election of Independent Trustees — The Member Representatives Committee of the Corporation shall elect the persons (i) to succeed those independent trustees whose terms expire each year and (ii) to serve the remainder of the term of any independent trustee who ceased to serve as a trustee subsequent to the last annual election of independent trustees. The annual election of independent trustees shall be scheduled to be conducted on or about February 1 of each year or as soon thereafter as is reasonably possible. Any special election pursuant to Article III, Section 2 shall be held as expeditiously as possible consistent with the time required for a nominating committee to be appointed and to nominate one or more candidates for the special election. All independent trustees shall be elected from nominees proposed by the nominating committee. A nominee shall be elected an independent trustee if such person receives the affirmative vote of two-thirds of the members of the Member Representatives Committee. Each nominee receiving the necessary two-thirds vote of the Member Representatives Committee shall take office immediately upon election. In the event that the voting fails to elect a nominee to fill any of the positions of independent trustee to be filled in an annual election of independent trustees, the nominating committee shall as promptly as reasonably possible consider and propose one or more additional nominee or nominees for that position, and a vote by the Member Representatives Committee on the election of such nominee or nominees shall be conducted as quickly as possible. For avoidance of doubt, the independent trustees shall be elected by the Member Representatives Committee in accordance with this Section 6 and shall not be elected by vote of the members of the Corporation.

Section 7 — Management Trustee — The president of the Corporation shall be, ex officio, the management trustee of the Corporation, effective as of the date of his or her election by the Board as president of the Corporation in accordance with Article VI, Section 1, of these Bylaws, to serve until such time that he or she ceases to hold the position of president.

Section 8 — Committees of the Board — The Board shall by resolution create and appoint all committees of the Board as the Board deems necessary to perform its responsibilities; provided, that the management trustee shall not be a member of the audit committee or of the human resources committee, if any. All committees of the Board shall have such duties as are prescribed by the Board. Notice to the public of the dates, places, and times of meetings of Board committees, and all nonconfidential material provided to committee members, shall be posted on the

Corporation's Web site within 24 hours of the time that notice is given to committee members. Meetings of Board committees shall be open to the public, subject to reasonable limitations due to the availability and size of meeting facilities; provided, that the meeting may be held in or adjourn to closed session to discuss matters of a confidential nature, including but not limited to personnel matters, compliance and enforcement matters, litigation, or commercially sensitive or critical infrastructure information of any entity.

ARTICLE IV Meetings of Members of the Corporation

Section 1 — Meetings of Members — Meetings of members of the Corporation may be called for any purpose or purposes by the chairman of the Board or by a number of members constituting at least ten (10) percent of the members on the roster of members maintained by the secretary of the Corporation, which number shall include members in at least three of the Sectors. Meetings of members shall be held at the principal office of the Corporation or at such other place fixed by the Board as shall be specified in the notice of meeting. Meetings shall be called upon written notice of the time, date, place, and purposes of the meeting given to all members on the roster of members maintained by the secretary of the Corporation not less than ten (10) nor more than sixty days (60) prior to the date of the meeting.

Section 2 — Quorum and Voting Requirements for Meetings of Members — At any meeting of the members of the Corporation, attendance in person or by proxy by one-half of the members in each of at least two-thirds of the Sectors on the roster of members maintained by the secretary of the Corporation shall constitute a quorum. Except as otherwise expressly provided in the Corporation's Certificate of Incorporation, these Bylaws or applicable law, actions by the members of the Corporation shall be approved upon receipt of seven affirmative votes at a meeting of the members of the Corporation at which a quorum is present, where (i) each Sector of the Corporation shall have one vote, except that if less than one-half of the members in a Sector are present, in person or by proxy, at the meeting, the vote of that Sector shall be weighted by a percentage equal to the number of members of the Sector present in person or by proxy at the meeting divided by one-half of the members in the Sector; (ii) the vote of each Sector of the Corporation shall be allocated for and against the proposed action by the members in that Sector voting in person or by proxy; and (iii) the proportions of the votes of each Sector allocated for and against the proposed action shall be summed to determine the total number of votes for and against the proposed action.

Section 3 — Waivers of Notice of Meetings of Members; and Member Meeting Adjournments — Notice of a meeting of members need not be given to any member who signs a waiver of notice, in person or by proxy, whether before or after the meeting. The attendance of any member at a meeting, in person or by proxy, without protesting prior to the conclusion of the meeting the lack of notice of such meeting, shall constitute a waiver of notice of the meeting by such member. When any meeting of members is adjourned to another time or place, it shall not be necessary to give notice of the adjourned meeting if the time and place to which the meeting is

adjourned are announced at the meeting at which the adjournment is taken, and if at the adjourned meeting only such business is transacted as might have been transacted at the original meeting.

Section 4 — Action Without a Meeting of Members — Unless otherwise expressly provided in the Certificate of Incorporation, any action, required or permitted to be taken at a meeting of members may be taken without a meeting upon the written consent of members who would have been entitled to cast the minimum number of votes which would be necessary to authorize the action at a meeting at which all members were present and voting. In the case of any corporate action taken without a meeting by less than unanimous written consent of the members; (i) advance written notice shall be given to those members who have not consented in writing (including by posting on the Corporation's Web site or other electronic transmission as permitted by law) setting forth the proposed action consented to; (ii) the proposed action shall not be consummated before the expiration of 10 days after the giving of the notice and 20 days from the giving of the notice in the case of any action taken pursuant to Chapter 10 of the New Jersey Nonprofit Corporation Act (merger, consolidation and sale of assets); and (iii) the notice shall set forth the existence of the 10-day or 20-day period, as applicable. All written responses of the members to the notice referenced herein shall be filed with the minutes of proceedings of members. The call for action without a meeting of members may be initiated by the chairman of the Board or by a number of members constituting at least ten (10) percent of the members on the roster of members maintained by the secretary of the Corporation, which number shall include members in at least three of the Sectors.

Section 5 — Meetings of the Members to be Open — Notice to the public of the dates, places, and times of meetings of the members, and all nonconfidential material provided to the members, shall be posted on the Corporation's Web site within 24 hours of the time that notice is given to the members. Meetings of the members shall be open to the public, subject to reasonable limitations due to the availability and size of meeting facilities; provided, that the meeting may be held in or adjourn to closed session to discuss matters of a confidential nature, including but not limited to personnel matters, compliance and enforcement matters, litigation, or commercially sensitive or critical infrastructure information of any entity. One or more members of, and any other participants in, a meeting of the members may participate in a meeting of the members by means of remote communication to the extent the Board authorizes and adopts guidelines and procedures governing such a meeting. During a state of emergency declared by the Governor of New Jersey, a meeting of members may be held solely by means remote communication. A member participating in a meeting of members by means of remote communication shall be deemed present in person and shall be entitled to vote at the meeting regardless of whether that meeting is held at a designated place or solely by means of remote communication. In any meeting of the members conducted in part or solely by means of remote communication, the secretary, or the secretary's designee, shall:

a) verify that each person participating remotely is a member or a proxy of a member;

- b) provide each member participating remotely with a reasonable opportunity to participate in the meeting, including an opportunity to vote on matters submitted to the members, and to read or hear the proceedings of the meeting substantially concurrently with those proceedings; and
- c) record and maintain a record of any votes or other actions taken by remote communication at the meeting.

If the Board has authorized participation by members by means of remote communication, then the notice of such meeting shall describe the means of remote communication to be used.

ARTICLE V Meetings of the Board of Trustees

Section 1 — Regular Meetings of the Board — A regular meeting of the Board for such business as may come before the meeting shall be held on or about February 1 of each year. By resolution adopted at any meeting of the Board, the Board may provide for additional regular meetings that may be held without further notice to the trustees.

Section 2 — Special Meetings of the Board — Special meetings of the Board for any purpose or purposes may be called at any time by the chairman or by any two trustees. Such meetings may be held upon notice given to all trustees not less than five (5) days prior to the date of the meeting unless the meeting is a closed session as permitted by Article V, Section 4 of these Bylaws, in which event the notice shall be provided to all trustees not less than 24 hours prior to the date and time of the meeting. Such notice shall specify the time, date, place, and purpose or purposes of the meeting and may be given by telephone, facsimile, e-mail, or other electronic means, or by express delivery.

Section 3 — Quorum and Voting Requirements for Meetings of the Board — Unless otherwise expressly provided in the Corporation's Certificate of Incorporation, these Bylaws or applicable law, (i) the quorum necessary for the transaction of business at meetings of the Board shall be a majority of the trustees, and (ii) actions by the Board shall be approved upon receipt of the affirmative vote of a majority of the trustees present and voting at a meeting at which a quorum is present.

Section 4 — Meetings of the Board to be Open — Notice to the public of the dates, places, and times of meetings of the Board, and all nonconfidential material provided to the Board, shall be posted on the Corporation's Web site, and notice of meetings of the Board shall be sent electronically to members of the Corporation, within 24 hours of the time that notice or such material is given to the trustees. Meetings of the Board shall be open to the public, subject to reasonable limitations due to the availability and size of meeting facilities; provided, that the Board may meet in or adjourn to closed session to discuss matters of a confidential nature, including but not limited to personnel matters, compliance and enforcement matters, litigation, or commercially sensitive or critical infrastructure information of any entity. Any or all of the trustees, or members Amended and Restated Bylaws of the North American Electric Reliability Corporation

of a committee, may participate in a meeting of the Board, or a meeting of a committee, by means of a remote communications system by which all persons participating in the meeting are able to hear each other. Any trustee or members of a committee participating in a meeting of the Board, or a meeting of a committee by means of remote communication shall be deemed present in person and shall be entitled to vote at the meeting regardless of whether that meeting is held at a designated place or solely by means of remote communication.

Section 5 — Waivers of Notice of Board Meetings; and Board Meeting Adjournments — Notice of a Board meeting need not be given to any trustee who signs a waiver of notice, in person or by proxy, whether before or after the meeting, or who attends the meeting without protesting, prior to the conclusion of the meeting, the lack of notice of such meeting. Notice of an adjourned Board meeting need not be given if the time and place to which the meeting is adjourned are announced at the meeting at which the adjournment is taken and if the period of adjournment does not exceed ten (10) days.

Section 6— Action Without a Meeting — Unless otherwise expressly provided in the Certificate of Incorporation, any action, required or permitted to be taken at a meeting of the Board or of any committee thereof, may be taken by the Board or by the committee without a meeting if the action is consented to in writing by all trustees or members of the committee, as the case may be. The call for action without a meeting of the Board may be initiated by the chairman or by any two trustees. Notice of the proposed call for action without a meeting, and all nonconfidential material provided to the Board in connection with the call for action without a meeting, shall be posted on the Corporation's Web site within 24 hours of the time notice of the call for action without a meeting of a committee of the Board may be initiated by the chairman or by any two members of the committee. The trustees or members of the committee shall receive written notice of the results, and unless the action was confidential the results shall be posted on the Corporation's Web site, within seven (7) days of the action vote. All written responses of the trustees shall be filed with the minutes of the Corporation, and all written responses of members of a committee shall be filed with the minutes of such committee.

ARTICLE VI Officers

Section 1 — Officers — At its regular meeting held on or about February 1 of each year in accordance with Section 1 of Article V of these Bylaws, the Board shall elect a chairman, a vice chairman, a president, a secretary, a treasurer, and such other officers of the Corporation (collectively, the "officers") as it shall deem necessary. The chairman and the vice chairman must each be independent trustees prior to their election to such offices. The chairman, vice chairman, and president shall each be nominated and elected by the Board. All of the remaining officers shall be appointed or removed by the Board based upon the recommendation of the president. The duties and authority of the chairman, the vice chairman, and the president shall be determined from time to time by the Board, and the duties and authority of the other officers of the Corporation shall be

determined from time to time by the president. Subject to any such determination, the officers shall have the following duties and authority:

- a) The chairman shall preside at all meetings of the members and at all meetings of the Board. The chairman, in consultation with the other trustees, shall be responsible for the efficient operation of the Board and its committees. The chairman shall be an ex officio member of each committee of the Board. The chairman may delegate from time to time any or all of the aforesaid duties and authority to the vice chairman, another trustee, the president, or any other officer.
- b) The vice chairman shall have such duties and possess such other powers as may be delegated to him or her by the chairman. The vice chairman shall act as the chairman at such times as the chairman may request. In the event the chairman is unable to discharge the duties and powers of that office by reason of incapacity and during any vacancies in the office of the chairman, the vice chairman shall act as chairman until the cessation of such incapacity or the filling of such vacancy.
- c) The president shall be the chief executive officer of the Corporation. He or she shall be responsible for the day-to-day ongoing activities of the Corporation and shall have such other duties as may be delegated or assigned to him or her by the chairman. The president may enter into and execute in the name of the Corporation contracts or other instruments not in the regular course of business that are authorized, either generally or specifically, by the Board.
- d) The secretary shall maintain the roster of members of the Corporation; shall cause notices of all meetings to be served as prescribed in these Bylaws; shall keep or cause to be kept the minutes of all meetings of the members and the Board; and shall have charge of the seal of the Corporation. The secretary shall perform such other duties and possess such other powers as are incident to his or her office or as shall be assigned to him or her by the president.
- e) The treasurer shall have custody of the funds and securities of the Corporation, and shall keep or cause to be kept regular books of account for the Corporation. The treasurer shall perform such other duties and possess such other powers as are incident to his or her office or as shall be assigned to him or her by the president.

ARTICLE VII Committees of the Corporation

Section 1 — **Committees of the Corporation** — In addition to those committees specified by these Bylaws, to which the Board shall appoint members in accordance with the requirements of these Bylaws, the Board may by resolution create standing committees of the Corporation; and may in addition by resolution appoint such other committees as the Board deems necessary to carry out the purposes of the Corporation. The Board shall appoint standing committees and other Amended and Restated Bylaws of the North American Electric Reliability Corporation

Effective [Date] April 5, 2021

committees of the Corporation that are representative of members, other interested parties and the public, that provide for balanced decision making, and that include persons with outstanding technical knowledge and experience. All appointments of committees of the Corporation shall provide the opportunity for an equitable number of members from the United States and Canada (and from Mexico after the Corporation receives recognition by appropriate governmental authorities in Mexico as its Electric Reliability Organization) to be appointed to each committee in approximate proportion to each country's percentage of the total NEL. All committees shall have such scope and duties, not inconsistent with law, as are specified in these Bylaws and the Rules of Procedure of the Corporation or otherwise determined by the Board.

ARTICLE VIII Member Representatives Committee

Section 1 — **Member Representatives Committee** — The Corporation shall have a Member Representatives Committee that shall have the following rights and obligations:

- a) to elect the independent trustees, in accordance with Article III, Section 6;
- b) to vote on amendments to the Bylaws, in accordance with Article XIV; and
- c) to provide advice and recommendations to the Board with respect to the development of annual budgets, business plans and funding mechanisms, and other matters pertinent to the purpose and operations of the Corporation.

Because it is elected by the members of the Corporation and not appointed by the Board, the Member Representatives Committee shall not be a standing committee of the Corporation, but is authorized to provide its advice and recommendations directly to the Board.

Section 2 — Composition of the Member Representatives Committee — The Member Representatives Committee shall consist of the following voting members:

- (i) two representatives from each of the following Sectors: investor-owned utility, state/municipal utility, cooperative utility, federal or provincial utility/Federal Power Marketing Administration, transmission-dependent utility, merchant electricity generator, electricity marketer, large end-use electricity consumer, small end-use electricity consumer, and independent system operator/regional transmission organization;
- (ii) the chairman and vice chairman of the Member Representatives Committee;
- (iii)any additional Canadian representatives as are selected pursuant to Section 4 of this Article VIII; and
- (iv)two representatives of state governments.

And the following non-voting members:

Amended and Restated Bylaws of the North American Electric Reliability Corporation

Effective [Date] April 5, 2021

(v) two representatives of the United States federal government, one representative of the Canadian federal government, one representative of a Canadian provincial government;

(vi)all the members of the Regional Entity Sector.

The representatives of each Sector shall be members of the Corporation, or officers or executive-level employees, agents or representatives of members of the Corporation, in that Sector; provided, that at any time only one officer, employee, agent, or representative of a member in a Sector may be a representative from that Sector. An associate shall not have representation on the Membership Representatives Committee but may be selected by the members of another Sector to represent such Sector. No member of the Board shall be a member of the Member Representatives Committee. The Board may by resolution create additional nonvoting positions on the Member Representatives Committee at the written request of any group of members of the Corporation that believes its interests are not adequately represented on the Member Representatives Committee.

Each member of the Member Representatives Committee shall serve a term of two years commencing at an annual meeting held pursuant to Section 7 of this Article VIII and ending at the second succeeding annual meeting. There shall be no limit on the number of terms that a member of the Corporation, or an employee, agent, or representative of a member of the Corporation, may serve on the Member Representatives Committee.

Section 3 — Election of Members of the Member Representatives Committee

a) Unless a Sector adopts an alternative election procedure, the annual election of representatives from each Sector to the Member Representatives Committee, and any election to fill a vacancy, shall be conducted in accordance with the following process, which shall be administered by the officers of the Corporation. During the period beginning approximately ninety (90) days and ending approximately thirty (30) days prior to an annual election, or beginning approximately forty-five (45) days and ending approximately fifteen (15) days prior to an election to fill a vacancy, nominations may be submitted for candidates for election to the Member Representatives Committee. A nominee for election as a Sector representative must be a member, or an officer, executive-level employee or agent of a member, in that Sector or an associate nominated by another Sector to represent such Sector. No more than one nominee who is an officer, executive-level employee or agent of a member or its affiliates may stand for election in any single Sector; if more than one officer, employee or agent of a member or its affiliates is nominated for election from a Sector, the member shall designate which such nominee shall stand for election. The election of representatives shall be conducted over a period of ten (10) days using an electronic process. Each member in a Sector shall have one vote for each representative to be elected from the Sector in that election, and may cast no more than one vote for any nominee. The nominee receiving the highest number of votes in each Sector shall be elected to the representative position to be filled from that Sector; if there is more than one representative position to be filled from a Sector, the nominee receiving the second highest number of votes shall also be elected, and so forth. Provided, that to be elected a nominee

must receive a number of votes equal to a simple majority of the members in the Sector casting votes in the election. If no nominee in a Sector receives a simple majority of votes cast in the first ballot, a second ballot shall be conducted which shall be limited to the number of candidates receiving the two (2) highest vote totals on the first ballot (or to the number of candidates receiving the four (4) highest vote totals on the first ballot if two representative positions remain to be filled, and so forth). The nominee or nominees receiving the highest total or totals of votes on the second ballot shall be elected to the representative position or positions remaining to be filled for the Sector.

A Sector may adopt an alternative procedure to the foregoing to nominate and elect its representatives to the Member Representatives Committee if (i) the alternative procedure is consistent in principle with the procedures specified in the preceding paragraph of this Section 3a, and (ii) the alternative procedure is approved by vote of at least two-thirds of the members in the Sector. Any alternative procedure is subject to review and disapproval by the Board.

Section 4 — Adequate Representation of Canadian Interests on the Member Representatives

Committee — In addition to the requirements for composition of the Member Representatives Committee specified in Section 1 of this Article VIII, the Member representatives Committee shall contain a number of Canadian voting representatives equal to the percentage of the NEL of Canada to the total NEL of the United States and Canada, times the total number of voting members on the Member Representatives Committee, rounded up to the next whole number. If the annual selection of members of the Member Representatives Committee pursuant to Section 3 of this Article VIII does not result in the number of Canadian voting representatives provided for herein on the Member Representatives Committee, then the candidate who received the highest fraction of the Sector vote among those candidates who would have qualified as Canadian voting representatives but were not elected to the Member Representatives Committee shall be added to the Member Representatives Committee. Additional Canadian voting representatives shall be added to the Member Representatives Committee through this selection process until the Member Representatives Committee includes a number of Canadian voting representatives equal to the percentage of the NEL of Canada to the total NEL of the United States and Canada, times the total number of voting members on the Member Representatives Committee, rounded up to the next whole number. Provided, that no more than one such additional Canadian voting representative shall be selected from a Sector, except that if this limitation precludes the addition of the number of additional Canadian voting representatives required by the previous sentence, then no more than two Canadian voting representatives may be selected from the same Sector. Such additional Canadian voting representatives shall be representatives of the Sectors in which they stood for election, and shall serve terms expiring at the next annual meeting of the Member Representatives Committee pursuant to Section 7 of this Article VIII. For purposes of this Section 4, "Canadian" means one of the following: (a) a company or association incorporated or organized under the laws of Canada or of a province of Canada that is a member of the Corporation, or its designated

representative irrespective of nationality; (b) an agency of a federal, provincial, or local government in Canada that is a member of the Corporation, or its designated representative irrespective of nationality; or (c) a person who is a Canadian citizen residing in Canada and is a member of the Corporation.

When the Corporation receives recognition from appropriate governmental authorities in Mexico as the Electric Reliability Organization, this provision will be expanded to provide for adequate representation of Mexican interests on the Member Representatives Committee.

Section 5 — Officers of the Member Representatives Committee — Prior to the annual election of representatives to the Member Representatives Committee, the Member Representatives Committee shall select a chairman and vice chairman from among its voting members by majority vote of the members of the Member Representatives Committee to serve as chairman and vice chairman of the Member Representatives Committee during the upcoming year; provided, that the incumbent chairman and vice chairman shall not vote or otherwise participate in the selection of the incoming chairman and vice chairman. The newly selected chairman and vice chairman shall not have been representatives of the same Sector. Selection of the chairman and vice chairman shall not be subject to approval of the Board. The chairman and vice chairman, upon assuming such positions, shall cease to act as representatives of the Sectors that elected them as representatives to the Member Representatives Committee and shall thereafter be responsible for acting in the best interests of the members as a whole.

Section 6 — Vacancies on the Member Representatives Committee — In the event that any member of the Member Representatives Committee ceases to serve as a member of the Member Representatives Committee as a result of his or her death, resignation, retirement, disqualification, or removal or other cause, the members in the Sector of which such member was a representative shall elect, as soon thereafter as reasonably possible, and in accordance with the procedures in Sections 3 and 4 of this Article VIII, a new member to replace the member of the Member Representatives Committee who ceases to serve. The vacancies in the Sector representatives created by the selection of the chairman and vice chairman pursuant to Section 5 of this Article VIII may be filled at the annual election of representatives to the Member Representatives Committee that is next held following the election of the chairman and vice chairman.

Section 7 — Annual Meeting of the Member Representatives Committee — An annual meeting of the Member Representatives Committee for the election of independent trustees and to conduct such other business as may come before the meeting shall be held on or about February 1 of each year or as soon thereafter as is reasonably possible. By resolution adopted at any meeting of the Member Representatives Committee, the Member Representatives Committee may provide for additional regular meetings that may be held without further notice to the members of the Member Representatives Committee.

Section 8 — Special Meetings of the Member Representatives Committee — Special meetings of the Member Representatives Committee for any purpose or purposes may be called by the chair of the Member Representatives Committee or by any five (5) members of the Member Amended and Restated Bylaws of the North American Electric Reliability Corporation

Representatives Committee, which number shall include representatives from at least three Sectors, and require notice given to all members of the Member Representatives Committee not less than seven (7) days prior to the date of the meeting. Such notice shall specify the time, date, place, and purpose or purposes of the meeting and may be given by telephone, facsimile, e-mail, or other electronic means, or by express delivery.

Section 9 — Quorums and Voting for Meetings of the Member Representatives Committee

— The quorum necessary for the transaction of business at meetings of the Member Representatives Committee shall be two-thirds of the voting members of the Member Representatives Committee attending the meeting in person or by proxy. A member of the Member Representatives Committee may give a proxy only to a person who is a member, or an officer, executive-level employee, agent or representative of a member, registered in the same Sector or an associate. Each voting member of the Member Representatives Committee shall have one (1) vote on any matter coming before the Member Representatives Committee that requires a vote. Except as otherwise expressly provided in the Corporation's Certificate of Incorporation, these Bylaws or applicable law, actions by members of the Member Representatives Committee shall be approved upon receipt of the affirmative vote of a majority of the voting members of the Member Representatives Committee shall be approved upon receipt of the affirmative vote of a majority of the voting members of the Member Representatives Committee present and voting, in person or by proxy, at any meeting at which a quorum is present.

Section 10 — Meetings of the Member Representatives Committee to be Open — Notice to the public of the dates, places, and times of meetings of the Member Representatives Committee, and all nonconfidential material provided to the Member Representatives Committee, shall be posted on the Corporation's Web site, and notice of meetings of the Member Representatives Committee shall be sent electronically to all members of the Corporation, within 24 hours of the time that notice or such material is given to the Member Representatives Committee. Meetings of the Member Representatives Committee shall be open to the public, subject to reasonable limitations due to the availability and size of meeting facilities; provided, that the Member Representatives Committee may meet in or adjourn to closed session to discuss matters of a confidential nature, including but not limited to personnel matters, compliance and enforcement matters, litigation, or commercially sensitive or critical infrastructure information of any entity. Any or all members of, and any other participants in, the Member Representatives Committee may participate in a meeting of the Member Representatives Committee by a means of a remote communications system by which all persons participating in the meeting are able to hear each other. A member of the Member Representatives Committee participating in a meeting of the Member Representatives Committee by means of remote communication shall be deemed present in person and shall be entitled to vote at the meeting regardless of whether that meeting is held at a designated place or solely by means of remote communication.

Section 11 — Waivers of Notice of Meetings of the Member Representatives Committee; and Meeting Adjournments — Notice of a meeting of the Member Representatives Committee need not be given to any member of the Member Representatives Committee who signs a waiver of notice, in person or by proxy, whether before or after the meeting, or who attends the meeting Amended and Restated Bylaws of the North American Electric Reliability Corporation

without protesting, prior to the conclusion of the meeting, the lack of notice of such meeting. Notice of an adjourned meeting of the Member Representatives Committee need not be given if the time and place to which the meeting is adjourned are announced at the meeting at which the adjournment is taken and if the period of adjournment does not exceed ten (10) days.

Section 12 — Action Without a Meeting of the Member Representatives Committee — Any action required or permitted to be taken at a meeting of the Member Representatives Committee may be taken by the Member Representatives Committee without a meeting if the action is consented to in writing by the number of members of the Member Representatives Committee entitled to vote on the action that would be required to approve the action at a meeting of the Member Representatives Committee with all of its members present and voting, except that in the case of the election of independent trustees, the action may be taken without a meeting only if all members of the Members Representative Committee consent thereto in writing. The call for action without a meeting of the Member Representatives Committee may be initiated by the Chair of the Member Representatives Committee or by any five (5) members of the Member Representatives Committee, which number shall include representatives from at least three (3) Sectors. Notice of the proposed call for action without a meeting, and all nonconfidential material provided to the Member Representatives Committee in connection with the call for action without a meeting, shall be posted on the Corporation's Web site within 24 hours of the time notice of the call for action without a meeting or such material is provided to the members of the Members Representative Committee. The members of the Member Representatives Committee shall receive written notice of the results, and unless the action was confidential the results shall be posted on the Corporation's Web site, within seven (7) days of the action vote, and all written responses of voting members of the Member Representatives Committee shall be filed with the minutes of the Corporation.

Section 13 — Other Procedures of the Member Representatives Committee —Except as to any matter as to which the procedure to be followed by the Member Representatives Committee is expressly set forth in these Bylaws, the Member Representatives Committee may adopt such additional procedures, not inconsistent with these Bylaws, as it deems appropriate.

ARTICLE IX Reliability Standards

Section 1 — Development of Reliability Standards — The Corporation shall develop, implement and, in all regions in which necessary governmental approvals have been obtained or authority has been provided, enforce, Reliability Standards that provide for Reliable Operation of the Bulk Power Systems of North America. All Reliability Standards shall be approved by the Board. All Reliability Standards of the Corporation shall be posted on its Web site. Nothing in this Article shall be deemed to invalidate any standard of the Corporation that was in effect as of the date of these Bylaws.

Section 2 — Procedures for Development of Reliability Standards — The Corporation shall develop Reliability Standards pursuant to procedures and processes that shall be specified in the Rules of Procedure of the Corporation. The Rules of Procedure shall provide for the development of Reliability Standards through an open, transparent, and public process that provides for reasonable notice and opportunity for public comment, due process, and balancing of interests and is designed to result in Reliability Standards that are technically sound. Participation in the process for development of Reliability Standards shall not be limited to members of the Corporation but rather shall be open to all persons and entities with an interest in the Reliable Operation of the Bulk Power System.

Section 3 — Procedures for Determinations of Violations of Reliability Standards and Imposition of Sanctions for Violations — In all regions in which regulatory approval has been obtained or governmental authority has been provided, the Corporation shall consider and make determinations that an owner, operator, or user of the Bulk Power System has violated a Reliability Standard, and shall impose sanctions for such violations, pursuant to procedures and processes that shall be specified in the Rules of Procedure of the Corporation. Such procedures and processes shall provide for reasonable notice and opportunity for hearing. Any sanction imposed for a violation of a Reliability Standard shall bear a reasonable relation to the seriousness of the violation and shall take into consideration efforts of the owner, operator, or user of the Bulk Power System to remedy the violation in a timely manner. Subject to any necessary action by any applicable governmental authorities, no sanction imposed for a violation of a Reliability Standard shall take effect until the thirty-first (31) day after the Corporation, where authorized by law or agreement, files with the Commission or other Applicable Governmental Authority notice of the sanction and the record of the proceedings in which the violation and sanction were determined, or such other date as ordered by the Commission or other Applicable Governmental Authority or as prescribed by applicable law.

ARTICLE X Agreements with Regional Entities

Section 1 — Delegation Agreements with Regional Entities — The Corporation may, in accordance with appropriate governmental authority, enter into agreements with regional entities pursuant to which a Regional Entity shall be delegated the authority of the Corporation to enforce Reliability Standards within a geographic region of North America and may develop and propose Reliability Standards to be in effect within such region. All delegation agreements with regional entities shall be approved by the Board. No delegation agreement with a Regional Entity shall be effective with respect to a region until the agreement has received any necessary approval from an Applicable Governmental Authority.

Section 2 — Standards for Delegation Agreements — The Corporation shall be permitted to enter into a delegation agreement with a Regional Entity only if the Board determines that (i) the Regional Entity has agreed to promote, support, and comply with the purposes and policies of the Corporation as set forth in its Certificate of Incorporation, Bylaws, Rules of Procedure, and

Reliability Standards as from time to time adopted, approved, or amended; (ii) the Regional Entity satisfies the criteria set forth in Sections 39.3(b) and 39.8 of the Commission's regulations, or other criteria specified by applicable governmental authorities, and (iii) the delegation agreement will promote effective and efficient administration of the reliability of the Bulk Power System.

ARTICLE XI Rules of Procedure

Section 1 — Development of Rules of Procedure — The Corporation shall develop and implement such Rules of Procedure as in the judgment of the Board are necessary or appropriate to carry out the purposes of the Corporation and to govern its operations, including without limiting the foregoing, Rules of Procedure relating to (i) registration of owners, operators, and users of the Bulk Power System; (ii) development of Reliability Standards; (iii) procedures for standing committees of the Corporation, subgroups of standing committees, and other committees, subcommittees, task forces, and Sector-specific forums of the Corporation; (iv) critical infrastructure protection; (v) conduct of readiness evaluations and reliability assessments; (vi) enforcement of compliance with Reliability Standards and determinations of violations of Reliability Standards by owners, operators, and users of the Bulk Power System; (vii) impositions of sanctions for violations of Reliability Standards; (viii) development, implementation, and administration of delegation agreements with regional entities; (ix) personnel certification; (x) event analysis and information exchange; (xi) realtime monitoring of the Bulk Power System; and (xii) development and administration of budgets, business plans, and funding mechanisms of the Corporation. All Rules of Procedure of the Corporation shall be posted on its Web site.

Section 2 — Adoption, Amendment, and Repeal of Rules of Procedure — Except as provided in Section 2 of Article XII, all Rules of Procedure, amendments thereto and repeals thereof shall be approved by the Board. Proposals to adopt new Rules of Procedure or to amend or repeal existing Rules of Procedure may be submitted by (i) the Member Representatives Committee, (ii) any fifty (50) members of the Corporation, which number shall include members in at least three Sectors, (iii) a committee of the Corporation to whose purpose and functions the Rule of Procedure pertains, or (iv) an officer of the Corporation. Unless the Board determines that exigent conditions exist requiring adoption of a new Rule of Procedure or amendment or repeal of an existing Rule of Procedure in a shorter time, all proposals for adoption, amendment and repeal of Rules of Procedure shall be posted on the Corporation's Web site and subject to public comment for a minimum of forty-five (45) days prior to action by the Board. All Rules of Procedure and amendments to and repeals of Rules of Procedure approved by the Board shall be submitted to the Commission and to other applicable governmental authorities for approval, and shall not be effective in the United States until approved by the Commission or in Canada or Mexico until approval is obtained from any governmental authority from which approval is required in those countries and subject to any conditions, limitations, or modifications required by the Commission or other governmental authority. Nothing in this Article shall be deemed to invalidate any Rule of Procedure of the Corporation that was in effect as of the date of these Bylaws.

ARTICLE XII Personnel Certification Governance Committee

Section 1 — Personnel Certification Governance Committee — There shall be a Personnel Certification Governance Committee of the Corporation, which shall be a standing committee of the Corporation. The purpose of the Personnel Certification Governance Committee shall be to provide oversight to the policies and processes used to implement and maintain the integrity and independence of the Corporation's System Operator Certification Program. The governance authority and structure of the Personnel Certification Governance Committee shall be implemented and maintained so that policies and procedures are established to protect against undue influence that could compromise the integrity of the System Operator Certification process.

Section 2 — Appointment and Reporting of the Personnel Certification Governance Committee — The members of the Personnel Certification Governance Committee shall be appointed by the Board from candidates selected and presented by a nominating task force in accordance with Rules of Procedure for the Personnel Certification Governance Committee. Nominations and appointments shall take into account the need to include representatives of all geographic regions of North America on the Personnel Certification Governance Committee. The Personnel Certification Governance Committee shall report directly to the Board and the president of the Corporation regarding governance and administration of the System Operator Certification Program; provided, however, that the Personnel Certification Governance Committee shall have autonomy in developing and implementing system operator certification eligibility requirements, the development, administration, and scoring of the system operator assessment instruments, and operational processes for the System Operator Certification Program. The Personnel Certification Governance Committee shall provide to the Board periodic assessments, no less frequently than every two (2) years, of the effectiveness of the System Operator Certification Program.

Section 3 — Administration of the Personnel Certification Governance Committee — In order to maintain the independence of the Personnel Certification Governance Committee, staff of the Corporation shall administer the System Operator Certification program on behalf of the Personnel Certification Governance Committee on a fee for service basis.

ARTICLE XIII Budgets and Funding

Section 1 — Compensation of the Board and Member Representatives Committee — The Board shall have the right to fix from time to time, by resolution adopted by a majority of the independent trustees then serving as trustees, the amount of the annual retainer fee or other compensation to be paid to the independent trustees for their services to the Corporation, including any fees to be paid for each meeting of the Board or any Board committee attended by an independent trustee. No compensation shall be paid to the management trustee for his or her services on the Board, other than the compensation paid to the management trustee for services as president of the Corporation. No compensation shall be paid by the Corporation to the members

Amended and Restated Bylaws of the North American Electric Reliability Corporation

Effective [Date] April 5, 2021

of the Member Representatives Committee for their services on the Member Representatives Committee.

Section 2 — Preparation and Adoption of Annual Budget, Business Plan, and Funding Mechanism — The Board shall prepare or cause to be prepared an annual budget for the administrative and other expenses of the Corporation, including the expenditures for the fiscal year for any material special projects undertaken by the Corporation and reasonable and proper reserves and provisions for contingencies, an accompanying business plan for the Corporation, and a funding mechanism, for each fiscal year. The annual budget, business plan, and funding mechanism of the Corporation shall be for a fiscal year commencing on January 1 and ending on December 31. Each annual budget, business plan, and funding mechanism (including the annual budget, annual business plan, and annual funding mechanism for each Regional Entity) shall be approved by the Board at a regular meeting or a special meeting of the Board duly called for that purpose. The Board shall approve each annual budget, business plan, and funding mechanism at least 135 days before the start of the fiscal year in order to allow for timely submittal of the approved annual budget, business plan, and funding mechanism to the applicable governmental authorities.

Section 3 — Criteria for Funding Mechanisms — The annual funding mechanism shall be designed to recover, over the course of the fiscal year, the sum of (i) the annual budget, (ii) less revenues projected to be received by the Corporation from other sources such as sales of services and materials and registration, application and certification fees for programs conducted or administered by the Corporation, and (iii) plus or minus the estimated deficiency or excess of the Corporation's revenues compared to its expenditures for the current fiscal year. The annual funding mechanism shall consist of such assessments as determined by the Board that result in an equitable allocation of the Corporation's funding requirement among end users of the North American electric utility system as established in the Corporation's Rules of Procedure.

Section 4 — Consultation in Preparation of Annual Budget, Business Plan, and Funding Mechanism — In preparing the annual budget, business plan, and funding mechanism, the Board shall consult with the members of the Member Representatives Committee, and shall post a draft budget and business plan for review and comment by the members of the Corporation and the Member Representatives Committee and the standing committees of the Corporation for at least thirty (30) days prior to the date of the meeting of the Board at which the annual budget, business plan, and funding mechanism are to be adopted.

Section 5 — Modified or Supplemental Funding Mechanisms — During the course of a fiscal year, the Board may modify the approved funding mechanism or develop and approve a supplemental funding mechanism if determined by the Board to be necessary due to such factors as a shortfall in revenues of the Corporation from projected levels, incurred or anticipated expenditures or new projects not provided for in the annual budget, or such other factors as in the judgment of the Board warrant modification of the funding mechanism for the fiscal year or development of a supplemental funding mechanism. In preparing a modified or supplemental funding mechanism, the Board shall follow the provisions of Section 4 of this Article XIII to the Amended and Restated Bylaws of the North American Electric Reliability Corporation

extent possible in the judgment of the Board in light of the exigency of the circumstances necessitating preparation and approval of the modified or supplemental funding mechanism. Each modified or supplemental funding mechanism shall be approved by the Board at a regular meeting or a special meeting of the Board duly called for that purpose.

Section 6 — Submission of Annual Budgets, Business Plans, and Funding Mechanisms to the Governmental Authorities — Each annual budget, annual business plan, and annual, modified, or supplemental funding mechanism approved by the Board (including the annual budget, annual business plan, and annual, modified, or supplemental funding mechanism for each Regional Entity) shall be submitted by the Corporation to the applicable governmental authorities for approval in accordance with its regulations, except as otherwise provided by applicable law or by agreement, and shall not be effective until it has received any necessary approval by the applicable governmental authorities. If a governmental authority by order modifies or remands an annual budget, business plan, or annual, modified, or supplemental funding mechanism, the Board shall promptly following such order adopt such modifications to the budget, business plan, or funding mechanism as are required or directed by the order of the governmental authority.

ARTICLE XIV Amendments to the Bylaws

Section 1 — Amendments to the Bylaws — These Bylaws may be altered, amended, or repealed by a majority vote of both the Board and the Member Representatives Committee at respective meetings of the board and the Members Representative Committee at which a quorum is present. Written notice of the subject matter of the proposed changes to the Bylaws shall be provided, as appropriate, to the trustees or to the Member Representatives Committee not less than ten (10) nor more than sixty (60) days prior to the date of the meeting of the board or of the Member Representatives Committee at which the vote is to be taken. Notwithstanding the provisions of this Article XIV, the members of the Corporation voting by Sector shall have the right to alter, amend, or repeal Bylaws adopted by the Board and the Member Representatives Committee and to adopt new Bylaws, provided that any such alteration, amendment, or repeal or the adoption of new Bylaws is approved by vote of two-thirds of the Sectors at a meeting of Members called for that purpose, or by written consent of two-thirds of the Sectors, where the number of votes for and against the proposed alteration, amendment, repeal, or adoption of Bylaws shall be determined in accordance with Section 2 of Article IV. Any alteration, amendment, repeal, or adoption of Bylaws shall be subject to any applicable requirements for filing with or approval by the Commission and any other Applicable Governmental Authority.

ARTICLE XV General

Section 1 — Indemnification — The Corporation shall indemnify its officers, trustees and other corporate agents to the full extent from time to time permitted by the New Jersey Nonprofit Corporation Act and other applicable law. Such right of indemnification shall inure to the benefit of the legal representative of any such person. The foregoing indemnification shall be in addition Amended and Restated Bylaws of the North American Electric Reliability Corporation

Effective [Date] April 5, 2021

to, and not in restriction or limitation of, any privilege or power that the Corporation may have with respect to the indemnification or reimbursement of its trustees, officers, or other corporate agents. The Corporation shall also pay or advance expenses incurred by an officer, trustee, or other corporate agent in connection with a proceeding in advance of the final disposition of the proceeding upon receipt of an undertaking by or on behalf of the officer, trustee, or other corporate agent to repay the amount unless it shall be ultimately determined that the officer, trustee, or other corporate agent is entitled to be indemnified by the Corporation.

Section 2 — Parliamentary Rules — In the absence of and to the extent not inconsistent with specific provisions in these Bylaws, meetings or other actions pursuant to these Bylaws shall be governed by procedures that the Board may, from time to time, establish by resolution.

Section 3 — Dissolution — Upon dissolution of the Corporation, in accordance with paragraph TENTH of the Certificate of Incorporation, the remaining assets of the Corporation after payment of debts shall be distributed in the manner determined by the Board, provided, (i) that no part of the assets shall be distributed to any trustee of the Corporation, and (ii) that the distribution of assets shall be consistent with the requirements of Section 501(c)(6) of the United States Internal Revenue Code of 1986, as amended.

Board of Trustees Nominating Committee Update

Action

Information

Summary

The following MRC members are serving on this year's Board of Trustees Nominating Committee (BOTNC):

- 1. **Jennifer Flandermeyer** MRC Chair
- 2. John Haarlow MRC Vice Chair
- 3. Joel Dembowski Investor-Owned Utility (Sector 1)
- 4. Rich Dewey ISO/RTO (Sector 10)
- 5. **Jason Marshall** Cooperative Utility (Sector 3)

Larry Irving, chair of the BOTNC, will provide a status report on the planned activities and schedule for the BOTNC.

Business Plan and Budget Input Group Update

Action

Information

Background

The MRC Business Plan and Budget (BP&B) Input Group (Input Group) was established to solicit MRC feedback on BP&B assumptions, cost drivers, and funding levels. The group meets periodically throughout the year to receive updates and provide input to NERC in support of the MRC's role in providing advice and feedback to the Board of Trustees (Board). The following MRC members are serving on this year's Input Group:

- John Haarlow (Chair) MRC Vice Chair
- **Jennifer Flandermeyer** MRC Chair
- John Rhea Investor-Owned Utility (Sector 1)
- Scott Tomashefsky State/Municipal Utility (Sector 2)
- **Brian Evans-Mongeon** Transmission-Dependent Utility (Sector 5)
- Lesley Gallinger ISO/RTO (Sector 10)

In addition to the above MRC members, the Input Group also includes NERC staff, the chair of the NERC Board Finance and Audit Committee (FAC), Colleen Sidford, and a representative from a Regional Entity, Sara Patrick, CEO of MRO.

Summary

Since the last update, the Input Group met on July 16, 2024, during which NERC provided an update on its proposed final 2025 BP&B. This included an overview of the stakeholder comments received on the draft 2025 BP&B and an overview of the proposed reallocation of unpaid assessments from Mexico to other WECC load-serving entities (LSEs), which results in no net assessment impact to WECC LSEs in 2025. As will be presented during the August 14, 2024, open FAC meeting, there are no material changes to the final 2025 BP&B from the draft, and the 2025 budget and assessment are consistent with NERC's original 2023–2025 plan. Discussion among the Input Group members and NERC staff centered on:

- Further clarification on the financial treatment of unpaid assessments and a path forward to negotiate a new agreement with Mexico;
- The benefit of the three-year planning process, including fewer stakeholder comments and improved communications; and
- NERC's next strategic plan for 2026–2028, including collaboration with the industry to
 focus on the highest risks to the bulk power system, as well as continued harmonization
 efforts with the Regional Entities.

John Haarlow, chair of the Input Group, will provide an update to the MRC on behalf of the group at the MRC meeting on August 15, 2024, to recap these conversations.

Update on FERC Reliability Matters

Action

Information

Summary

At the August 15, 2024 MRC meeting, Kal Ayoub, Critical Infrastructure and Resilience Advisor, FERC, will provide an update on recent FERC activity.



Update on FERC Activities

Kal Ayoub, Office of the Chairman

August 15, 2024

The views expressed in this presentation are my own and do not represent those of the Commission or any individual Commissioner.

Major FERC Reliability Activities

- FERC Seats Three New Commissioners
- Cold Weather Preparedness
- Order No. 1920
- Orders of interest issued
- Upcoming Technical Conferences









FERC Seats New Commissioners



- On February 29 President Biden nominated <u>Judy Chang</u>, <u>David Rosner and Lindsay See</u>.
- The U.S. Senate confirmed the three nominees on June 13.
- The nominees have been sworn in and have begun serving their terms.









Cold Weather Preparedness

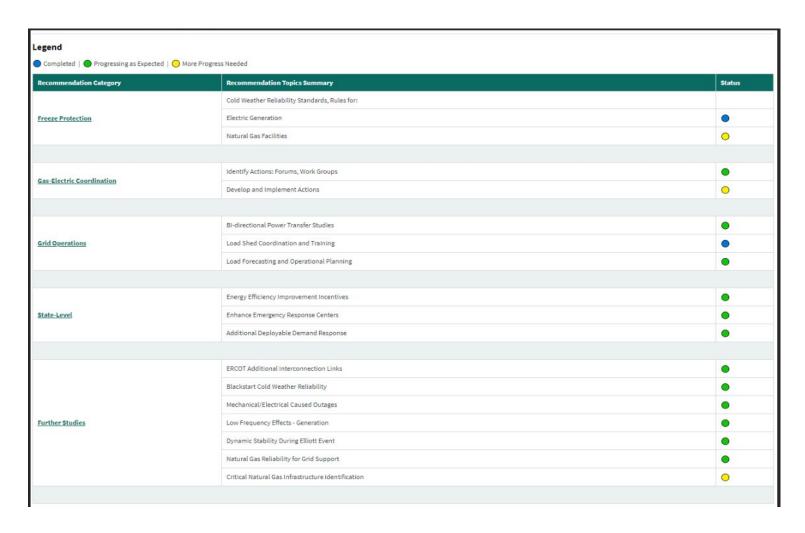
- Order Approving Extreme Cold Weather
 Reliability Standard EOP-012-2 and Directing
 Modifications, RD24-5-000, RD24-1-000 issued
 6/27/2024.
- The <u>Dashboard</u> tracks and provides updates to the status of recommendations that have come from the FERC-NERC winter storm analysis.
 - It tracks progress on 5 Recommendation Categories which are further broken down by topics based on Completed, Progressing as Expected and More Progress Needed.







Cold Weather Preparedness Dashboard



Order No. 1920

Building for the Future Through Electric Regional Transmission Planning and Cost Allocation

- Order 1920, issued in Docket No. RM21-17-000, is a final rule that requires the nation's transmission providers to plan for the transmission we know we will need in the future.
- Order 1920 adopts specific requirements addressing how transmission providers must conduct long-term planning for regional transmission facilities and determine how to pay for them, so needed transmission is built.
- Order 1920 addresses:
 - Long-term Regional Transmission Planning,
 - How to pay for Transmission,
 - Enhanced Transparency,
 - "Right-Sizing", and
 - Interregional Transmission Coordination.









Chairman Phillip's statement on Order No. 1920 and the Supreme Court's decision to overture *Chevron*

<u>Chairman Phillips</u> explained that the Supreme Court's decision did not impact FERC's authority. He stated that:

- The authority of the Federal Energy Regulatory Commission to regulate regional transmission planning and cost allocation has long been recognized by bipartisan majorities of the Commission and U.S. Court of Appeals for the District of Columbia Circuit.
- Both regional transmission planning and cost allocation are practices that have exactly the type of "direct effect" on Commission-jurisdictional rates that the U.S. Supreme Court has held brings a matter within this Commission's jurisdiction.
- Our authority to regulate regional transmission planning and cost allocation is essential to the Commission's ability to ensure that customers have access to reliable, affordable supplies of electricity—our most fundamental statutory responsibility.
- Nothing in the Supreme Court's *Loper Bright* decision overturning the *Chevron* doctrine calls that conclusion into question.







Orders Issued

- Order Seeking Comment of Potential DLR Framework to Improve Grid Operations, Docket No. RM24-6-000 issued 6/27/2024. An advance notice of proposed rulemaking presenting potential reforms to implement dynamic line ratings and improve the accuracy of transmission line ratings.
- Order Approving Extreme Cold Weather Reliability Standard EOP-012-2 and Directing Modifications, RD24-5-000, RD24-1-000 issued 6/27/2024.
- Order Approving Revisions to NERC's ROP and Requiring Compliance Filing, RR24-2-000 issued 6/27/2024.
- Order <u>Withdrawing Notice of Proposed Rulemaking on</u> <u>Revisions to Regulations on Electric Reliability Organization</u> <u>Performance Assessments</u>, RM21-12-000 issued 6/27/2024.
- Letter Order <u>Approving Cold Weather Data Collection</u>, RD23-1-002 issued 5/23/2024.







Upcoming Technical Conferences

The <u>Innovations and Efficiencies in Generator</u>
 <u>Interconnection Workshop</u> on September 10-11,
 2024 will provide a public forum to discuss opportunities for further innovation and increased efficiency in the generator interconnection process. Docket No. AD24-9-000.







Upcoming Technical Conferences

- Reliability Technical Conference will be held on October 16, 10am.
 - https://www.ferc.gov/media/ad24-10-000-techconf
- For more information about this conference, please contact Michael Gildea at Michael.Gildea@ferc.gov or (202) 502-8420.
- For information related to logistics, please contact Sarah McKinley at Sarah.Mckinley@ferc.gov or (202) 502-8368.





Questions?









Energy Adequacy Panel

Action

Review

Panelists

- Facilitator: Jason Marshall, CEO and General Manager, Sho-Me Power, and NERC MRC Member
- Todd Hillman SVP & Chief Customer Officer, MISO
- Todd Lucas VP Transmission, Southern Company
- Teresa Mogensen President and CEO, American Transmission Company, and NERC RISC Chair
- Brad Underwood VP Systems Transformation, Omaha Public Power District

Background

Resource Adequacy has been a topic of discussion in the reliability ecosystem for several years. NERC committees have discussed the issues, published resources, and initiated actions refining the focus on energy adequacy, as resources become increasingly energy constrained. In 2018, the NERC Reliability Issues Steering Committee (RISC) published a report on resilience. This report considered Adequacy as "the ability of the electric system to supply the aggregate electrical demand and energy requirements at the end-use customers at all times, taking into account scheduled and reasonably expected unscheduled outages of system elements." 1

In preparation of the report, the RISC requested NERC standing committees provide feedback regarding activities addressing resilience and the RISC Resilience Framework. The RISC requested that these committees comment on:

- 1. The committee's view on how BPS resilience is currently being addressed within the scope of the committee's responsibilities; and
- 2. Any additional activities the committee believes should be undertaken.

There was broad support for the Resilience Framework. The Standing committees' comments underscored that resilience is an existing concept, reflected within the definition of the Adequate Level of Reliability as well as definitions of Reliability, Adequacy, and Security. There were numerous suggestions for additional items to strengthen resilience and enhance focus on Reliability, Adequacy, and Security. There is substantive effort ongoing around energy adequacy issues.

After reviewing the 2020 whitepaper, the Reliability and Security Technical Committee (RSTC)

¹https://www.nerc.com/comm/RISC/Related%20Files%20DL/RISC%20Resilience%20Report Approved RISC Committee November 8 2018 B oard Accepted.pdf

² Energy Adequacy White Paper (nerc.com)

formed the Energy Reliability Assessment Task Force,³ recently upgrading it to a working group.⁴ The group focused on the impacts of energy adequacy, and on the need to call for energy resource plans for the Planning, Operational Planning and Operational timeframes. The group submitted Standard Authorization Request (SAR), approved by the RSTC and now in development, to address energy planning needs across the three-time frames. The working group continues to work on whitepapers that outline energy reliability assessments.

Most recently, NERC and National Academy of Engineering Section 6 co-sponsored a workshop in March 2024 that focused on examining electric reliability criteria for planning resource and transmission adequacy on the transforming grid. The workshop, "Evolving Planning Criteria for a Sustainable Power Grid," assembled industry thought leaders to build consensus around the need for additional criteria, actionable short- and long-term recommendations, and next steps. The workshop concentrated on two broad topics: capacity vs. energy in planning the evolving transmission grid. In addition, the collaboration produced a report that summarized the content and actionable recommendations⁵.

Panel Objectives and Discussion Topics

- The panel will discuss the transition from capacity-based planning and associated planning and operational approaches.
- This panel will explore the topic of energy adequacy and opportunities to further de-risk the current trajectory.
- The panel will explore the following questions:
 - What are the biggest challenges and risks to ensure energy adequacy today and in the future?
 - How are the different stakeholders, regulators, and policymakers involved in energy adequacy and who should be more involved?
 - Who is responsible for ensuring energy adequacy?
 - How should the current processes and rules of thumb change to accommodate energy in the planning and operational approaches?
 - What is the single greatest risk to BES reliability regarding energy adequacy?
 - Do you see opportunities for the ERO to be more involved on specific aspects of energy adequacy that are not currently in process?
 - What additional actions should be considered to ensure the adequacy of the energy supply?
 - Are the current approaches to plan resources sufficient to always ensure energy adequacy?
 - Are current measures to handle unexpected disruption or emergencies appropriate?
 - What advancements in technology (equipment or algorithms) are in process or are needed to strengthen energy adequacy?

³ ERATF Scope (nerc.com)

⁴ 2023 ERAWG Scope Document clean (nerc.com)

⁵ Evolving Planning Criteria for a Sustainable Power Grid: A Workshop Report, June 2024 (nae.edu)

Panelist Biographies

Todd Hillman

SVP & Chief Customer Officer, MISO

Todd Hillman joined MISO in 2004 and is senior vice president and chief customer officer, leading all the organization's customer and external affairs activities. He and his team drive MISO's commitment to a quality experience for members, employees and stakeholders. As vice president and South Region executive in Little Rock, Hillman oversaw the successful integration of the MISO South Region. The introduction of the Entergy system across Arkansas, Louisiana, Mississippi and Texas made it the largest integration in RTO history.

Hillman is a veteran customer and business development executive with proven leadership in corporate strategy, product origination, project coordination, customer management and marketing and development. Before MISO, Hillman worked for Houston-based Reliant Energy, leading contract management and corporate development both in Houston and abroad. Hillman also worked for DuPont/Conoco and the CME Group (formerly the New York Mercantile Exchange) in contract development, electricity and natural gas trading and origination.

Hillman is the former Chairman of the Board for the NERC Regional Entity Southeast Reliability Corp. (SERC) and has served on numerous Boards including the National FBI Citizens Academy Alumni Association, the Gulf Coast Power Association, the Make-A-Wish Foundation (Arkansas, Indiana, Kansas, Kentucky, Mississippi, Missouri, Ohio and Tennessee) and the Arkansas Research Alliance. He has also served on commissions from the Governors of Arkansas and Indiana on business development collaborations for high-tech job retention and creation, also semiconductor expansion.

Hillman earned Bachelor of Arts and Bachelor of Science degrees from the University of the Pacific, an Executive Institute graduate from the University of Chicago Booth School of Business and attended the INSEAD Advanced Management Program for Senior Executives.

Todd Lucas

VP Transmission, Southern Company

Todd Lucas is Vice President of Transmission Operations & Policy at Southern Company. In this role, he ensures reliable operations across Southern's Bulk Electric System (BES) territory which encompasses the following entities: Alabama, Georgia, and Mississippi Power companies, Georgia System Operations Company, Municipal Electric Authority of Georgia, Southeastern Power Administration, and Power South Energy Cooperative.

Todd provides oversight of real-time system operations including several NERC Reliability Functions. In addition to these core reliability functions, his responsibilities include engagement in federal policy and regulatory matters advancing industry positions to ensure reliable operation of the Bulk Power System. Prior to his current role, Todd progressed through supervisory and management positions including transmission system operations, transmission planning, transmission maintenance, and project management.

Todd has served on the NERC Reliability and Security Technical Committee (RSTC) since its formation in 2020 and he currently serves on the RSTC Executive Committee. Todd held the Vice Chair position on the Essential Reliability Services Working Group contributing to NERC's

efforts ensure a reliable grid transition. He also previously served as the IOU sector representative on NERC's Operating Committee (2015-2016). Additionally, as a board member of the Eastern Interconnection Data Sharing Initiative (EIDSN), Todd promotes advanced reliability tools used by numerous Reliability Coordinators. Todd also represents Southern Company in the North American Transmission Forum.

With a career spanning over 40 years, Todd holds a Bachelor of Science in Mechanical Engineering from the Georgia Institute of Technology and is a graduate of the Harvard Business School General Management Program.

Teresa Mogensen

President and CEO, American Transmission Company, and NERC RISC Chair

Teresa Mogensen returned to ATC as president and chief executive officer in August 2023. Mogensen previously spent seven years (2000-2007) with ATC, holding various leadership positions during its formation as the country's first for-profit, transmission-only company.

Prior to her return, Mogensen was senior vice president, energy supply at Xcel Energy where she was responsible for a generation fleet of over 80 sites that produced more than 20,000 MW of electric power for 3.7 million customers across eight states. She also led Xcel Energy Transmission through a period of significant expansion, including successful implementation of the CapX2020 utility transmission collaboration.

Mogensen has served on the board of directors of industry and community organizations, including the Midwest Reliability Organization, the Electric Power Research Institute Power Delivery and Utilization Sector Council and its Transmission Executive Committee, Edison Electric Institute Energy Delivery Executive Advisory Committee, North American Transmission Forum, WIRES, North American Electric Reliability Corporation Reliability Issues Steering Committee, American Wind Energy Association, Catholic Charities of St. Paul, and Minneapolis and Minnesota Private College Council.

Mogensen earned a Bachelor of Science in electrical engineering and a Masters in Business Administration from Marquette University. She is a registered professional engineer and prior certified NERC system operator.

Brad Underwood

VP Systems Transformation, Omaha Public Power District

Brad Underwood joined OPPD in 2013 as manager of Nuclear Business Operations. Since then, he has served as treasury manager, director of Corporate Planning and director of Financial Planning. He was promoted to Vice President of Systems Transformation in May 2022.

In his current role, Underwood is accountable for leading the system planning for OPPD's generation, transmission and distribution system as well as the sourcing of new generation resources. Additionally, he's accountable for leading system planning functions to achieve OPPD's decarbonization and resource planning goals in adherence to and monitoring of Strategic Directive 9: Resource Planning. Finally, Underwood leads the RTO policy functions at OPPD.

Prior to his service at OPPD, Underwood served in various roles and locations within North America for the Kiewit Companies. In the capacity of Area Business Manager, he provided

commercial and financial oversight for teams constructing large energy infrastructure projects. These projects included, but were not limited to, simple cycle and combined cycle natural gas generating stations, liquefied natural gas facilities, as well as air quality control systems for coalfueled generators.

Underwood holds a Bachelor of Science degree in Business Administration from the University of Nebraska-Lincoln, as well as a master's degree in Business Administration from Creighton University.

Responses to the Board's Request for MRC Input

Action

Discussion

Background

A letter requesting MRC input is issued by the Chair of the NERC Board of Trustees (Board) four to five weeks in advance of the quarterly meetings and includes relevant materials necessary to inform and prepare for discussion. Written input from the MRC and stakeholders is due approximately three weeks after issuance and is then revisited during a dedicated discussion time on the MRC's agenda, in the presence of the Board.

Summary

For this quarter, the Board requested input from the MRC on the draft *ERO Enterprise Long-Term Strategy*. In addition, the Board requested input on preliminary Board, Board Committee, Technical Session, and MRC agenda topics. On August 15, 2024, the MRC can expect to participate in discussion on the responses received from the input request.

The input letter with its attachments and responses are posted with the Board's <u>August 2024</u> meeting materials.

Additional Discussion on August 14 Board Committee Meetings

Action

Discussion

Summary

On August 15, 2024, the Member Representatives Committee (MRC) will have additional time for discussion, as part of its own agenda, to respond to the information that is presented during the August 14, 2024, Board Committee meetings. Staff presentations made at the Board Committee meetings will not be duplicated at MRC meeting.

The Board committee agendas and associated background materials will be posted on the following webpages approximately one to two weeks in advance of the meetings:

Technology and Security Committee

Regulatory Oversight Committee

Finance and Audit Committee

Corporate Governance and Human Resources Committee

Additional Discussion on August 14 Technical Session

Action

Discussion

Summary

On August 15, 2024, the Member Representatives Committee (MRC) will have additional time, as part of its own agenda, to discuss the information that is presented during the August 15, 2024, Technical Session. Presentations made at the Technical Session will not be duplicated at the MRC meeting.

The agenda and associated background materials are posted on the following webpage:

Technical Session

MRC Input and Advice on August 15 Board Agenda Items

Action

Discussion

Background

Article VIII, Section 1 of the <u>NERC Bylaws</u> states that the MRC shall have the right and obligation to "provide advice and recommendations to the Board with respect to the development of annual budgets, business plans and funding mechanisms, and other matters pertinent to the purpose and operations of the Corporation."

On August 15, 2024, the MRC will have time for discussion, as part of its own agenda, to provide input on behalf of their sectors on the Board's agenda topics. Preliminary agenda topics for the August Board meeting were reviewed during the July 17, 2024, MRC Informational Session and a formal agenda package was posted on August 1, 2024, on the following webpage:

Board of Trustees

Update on Implementation of MRC Effectiveness Recommendations

Action

Update

Summary

The MRC regularly evaluates its effectiveness and conducted an in-depth evaluation throughout 2023 of its effectiveness in executing its responsibilities. On February 14, 2024, the MRC adopted 27 recommendations (see <u>February MRC agenda package</u>, Agenda Item 6) resulting from the effectiveness review. The recommendations focus on how the MRC operates and ensuring an engaging, collaborative, and positive MRC culture. Recommendations are organized under the following categories:

- 1. Collaboration and Engagement
- 2. Education and Increased Awareness of Processes
- 3. Recruiting and Raising Awareness of the MRC's Role
- 4. Providing Advice and Recommendations to the NERC Board
- 5. Meeting Logistics and Agenda Development

At the August 15, 2024, MRC meeting, MRC leadership will provide an update on progress in implementing the recommendations.



Implementation of MRC Effectiveness Recommendations

Jennifer Flandermeyer, Chair Member Representatives Committee Meeting August 15, 2024

RELIABILITY | RESILIENCE | SECURITY







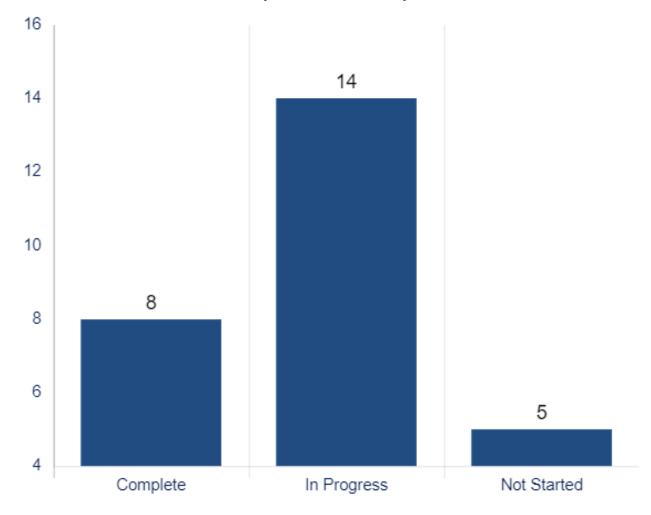




Implementation Status Overview



MRC Recommendations Status (as of 8/15/24)





Complete Since Last Update

#	Recommendation	Update
1 c	MRC Orientation	Refreshed orientation in February 2024 and refresher/check-in in August 2024.
2c	NERC Trustees Nomination and Election Process	Process added to MRC Welcome Packet and Orientation. NERC Independent Trustees attributes dashboard publicly posted.
2f	Opportunities for MRC Education and Information	MRC informational sessions expanded to include educational sessions. MRC leadership will continue to explore additional opportunities.





		•
	2024	2025
	J F M A M J J A S O N D	J F M A M J J A S O N D
1b - Sharing Leaders' Perspectives		
1d - Ambassador Program		
1e - MRC Effectiveness Evaluation		
1f - Past Chair Engagement		
2d - MRC Governance Guidelines		
2f - Opportunities for MRC Education and Information		
3a - NERC Member Participation		
3b - Description of Role of MRC Chair and Vice Chair		
3c - Description of Role of MRC Representatives		
3d - Support		
3e - Reinforcement		
4b - Understanding of NERC's Strategic Planning Process		
4e - Challenges or Areas of Concern		
4f - NERC Strategic Focus Areas and Priorities		
5a - Agenda Planning		



2a - Responsibility for Sector Representation

2e - Open Board Meeting Schedule and Input Opportunities

4a - Strategic Input on Long-Term Risks

4c - MRC to Clarify Types of Policy Implications to Inform Advice to the Board

4d - Coordination of MRC Input







Status Details of 'In Progress' Recommendations



In Progress

	Recommendation	Update	Expected Completion
1b	Sharing Leaders' Perspectives	Panel discussion on energy assurance at August MRC meeting.	December 2024
1d	Ambassador Program	Program introduced in February. Program will be evaluated and adjusted as deemed necessary.	February 2025
1e	MRC Effectiveness Recommendations	Status updates to be provided at MRC meetings going forward. Will discuss possibility of a 2025 survey with incoming chair and vice chair.	May 2025
1f	Past Chair Engagement	Expectations for past chair engagement to be incorporated into chair/vice chair roles and responsibilities document.	November 2024
2d	MRC Governance Guidelines	Governance Guidelines being reviewed and updated during implementation of effectiveness recommendations.	February 2025
3 a	NERC Member Participation	Some informal engagement occurring. More formal effort to be developed. Will be addressed with recommendation 2a.	August 2025
3b	Description of Role of MRC Chair and Vice Chair	Roles and responsibilities document being developed.	November 2024
3c	Description of Role of MRC Representatives	Roles and responsibilities document being developed.	November 2024



In Progress

	Recommendation	Update	Expected Completion
3d	Support for MRC Members	Information included in Welcome Packet and orientation. More to be included in roles and responsibilities document.	November 2024
3e	Reinforcement of Responsibilities	Information included in Welcome Packet and orientation. More to be included in roles and responsibilities document.	November 2024
4b	Understanding of NERC's Strategic Planning Process	NERC provided overview in May and requested MRC input on ERO Enterprise focus areas in the Q3 input letter. NERC continuing to clarify process, including when industry input is appropriate.	August 2025
4e	Challenges or Areas of Concern	Planning informal sessions in November 2024.	February 2025
4f	NERC Strategic Focus Areas and Priorities	NERC provided overview in May and requested MRC input on ERO Enterprise focus areas in the Q3 input letter. NERC continuing to clarify process, including when industry input is appropriate.	August 2025
5a	Agenda Planning	Outreach to MRC members ahead of meetings. More to be included in roles and responsibilities document.	February 2025

Schedule for MRC Officer and Sector Elections

Action

Information

Background

Chair Jennifer Flandermeyer will announce the upcoming nomination and election cycle for the Member Representatives Committee (MRC) officers and those members whose terms expire in February 2025. The tentative schedule is shown below.

MRC Officer Elections

Wednesday, September 18 – nomination period opens Thursday, October 17 – nomination period closes November 13 – election of officers for following year by current MRC members

MRC Member Sector Nominations and Elections

Wednesday, September 4 – nomination period opens Monday, November 1 – nomination period closes Monday, December 2 – election begins Wednesday, December 11 – election ends

Reference Links

Membership of the MRC for 2024-2026 NERC Bylaws

Update on Regulatory Matters (As of July 18, 2024)

Action

Information

FERC Orders Issued Since the Last Update

FERC orders are available on the NERC website FERC Orders/Rules page.

NERC Filings to FERC Since the Last Update

NERC filings to FERC are available on the NERC website NERC Filings to FERC page.

NERC Filings in Canadian Jurisdictions Since the Last Update

NERC filings to Canadian applicable governmental authorities are available on the NERC website's <u>Canadian Filings and Orders</u> page. This page also contains links to the websites of each authority, where orders, consultation records, and other records related to NERC matters may be found.

Processes for making standards enforceable and monitoring and enforcing compliance are specific to each jurisdiction in Canada. The Federal, Provincial, and Territorial Monitoring and Enforcement Sub-group (MESG) has developed provincial summaries of each province's electric reliability standard-making and enforcement functions with U.S. comparators. The <u>Canada</u> page of the NERC website contains these summaries and a link to the <u>Canadian MOUs</u> page.

Anticipated NERC Filings

Highlights of NERC filings that will be submitted to applicable governmental authorities in the U.S. and Canada appear below:

- August 15, 2024 Within 45 days of the end of each quarter, NERC must submit the unaudited report of the NERC budget-to-actual spending variances during the preceding quarter.
 - Docket No. FA11-21-000
- August 15, 2024 NERC will submit an IBR Registration Plan Update as required by FERC every 90 days until 2026.
 - Docket No. RD22-4-001
- August 15, 2024 NERC will submit a quarterly filing in Nova Scotia of FERC-approved Reliability Standards.
- August 15, 2024 NERC will submit a petition for approval of Inverter-based Resource (IBR)
 Definitions
 - Docket No. TBD
 - Pending Board and ballot body approval
- August 26, 2024 NERC will submit the IBR ROP Compliance filing.