Nova Scotia Energy Board

North American Electric Reliability Corporation

M12577

2025 Q3 Application for Approval of Reliability Standards

IESO Nova Scotia Recommendations

January 16, 2026

NON-CONFIDENTIAL

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1.0 INTRODUCTION

In its application dated November 25, 2025, the North American Electric Reliability Corporation (NERC) applied to the Nova Scotia Energy Board (NSEB, Board) for approval of the following new NERC Reliability Standards approved by the United States Federal Energy Regulatory Commission (FERC) during the third quarter of 2025:

1. Reliability Standard PRC-024-4: Frequency and Voltage Protection Settings for Synchronous Generators, Type 1 and Type Wind Resources, and Synchronous Condensers
2. Reliability Standard PRC-029-1: Frequency and Voltage Ride-through Requirements for Inverter-Based Resources
3. Reliability Standard EOP-012-3: Extreme Cold Weather Preparedness and Operations

NERC did not apply to the NSEB for approval of any changes or additions to any definitions in the NERC Glossary.

NERC's application states as follows:

> As provided in the table below, during the third quarter of 2025, FERC issued two orders approving the following Reliability Standards and definitions: (1) PRC-024-4 (Frequency and Voltage Protection Settings for Synchronous Generators, Type 1 and Type Wind Resources, and Synchronous Condensers), (2) PRC-029-1 (Frequency and Voltage Ride-through Requirements for Inverter-Based Resources) and the definition of Ride-through;13 and (3) EOP-012-3 (Extreme Cold Weather Preparedness and Operations) and the revised definition of the term Generator Cold. Weather Constraint. No other Reliability Standards applicable to Nova Scotia were approved by FERC during the third quarter of 2025.

Reliability Standards

Reliability Standard	Effective Date
Protection and Control (PRC)	
PRC-024-4*	10/1/2026
PRC-029-1*	10/1/2026
Emergency Preparedness and Operations (EOP)	
EOP-012-3	10/1/2025

* At the time of this filing, the standards marked with an asterisk are not yet effective, but have been approved by FERC and have a future mandatory effective date.

By letter dated November 26, 2025, the NSEB requested comments from Nova Scotia Power (NS Power) and the Nova Scotia Independent Energy System Operator (IESO Nova Scotia) on NERC's Application by December 23, 2025. NS Power subsequently requested and extension to file comments to January 16, 2026 which was granted by the Board, and applied as well to IESO Nova Scotia's comments.

As noted in NS Power's comments on NERC's 2025 Q2 Application for Approval of Reliability Standards (M12436) on October 20, 2025, "Some of NS Power's NERC Registered roles will be transitioning to the Independent Energy System Operator of Nova Scotia (IESO-NS). Accordingly, implementation of and compliance with applicable NERC reliability standards related to those roles and adopted in Nova Scotia will become the responsibility of IESO-NS as those registered roles are transferred."[1]

IESO Nova Scotia is a not-for-profit corporation established under the More Access to Energy Act (the Act). Parts of the Act were proclaimed on October 24, 2024. IESO Nova Scotia's mandate is central to the Act's stated purpose; to implement these purposes, the Act mandates IESO Nova Scotia to certain enumerated objects, and to carry out certain activities. IESO Nova Scotia has a statutory mandate that includes, among other aspects, maintaining the adequacy and reliability of the bulk power system and facilitating the operation of a competitive electricity market in Nova Scotia. IESO Nova Scotia has pursued a phased transition of the system operator functions from NS Power to IESO Nova Scotia, commencing with energy procurement, system planning and

[1] NS Power Recommendations Re: M12436 – NERC 2025 Q2 Application for Approval of Reliability Standards, October 20, 2025, p.5.

generation interconnection functions. Accordingly, IESO Nova Scotia will provide its comments on the NERC reliability standards quarterly applications going forward.

IESO Nova Scotia provides comments and recommendations on this matter in the sections below.

1.1 Effective Dates

On June 30, 2010, NERC submitted its first set of Reliability Standards to the Nova Scotia Utility and Review Board (NSUARB) for approval. The NSUARB issued a Decision and Order approving these standards on July 20, 2011. In its Decision, the NSUARB also approved a quarterly review process.[2] On April 1, 2025, on proclamation of the Energy and Regulatory Boards Act, S.N.S. 2024, c. 2, Sch. A, the Utility and Review Board was succeeded by the Nova Scotia Energy Board (NSEB, Board) for all applications related to electric utilities.

IESO Nova Scotia notes that in each case where NERC recommends approval of a Reliability Standard, it has recommended an effective date in Nova Scotia. NERC Reliability Standards and NPCC Regional Reliability Criteria only become mandatory in Nova Scotia upon approval by the NSEB. However, NERC's Applications usually contain a table showing the NERC effective dates in the United States for each of the applicable Reliability Standards (such as the table from NERC's Q3 2025 application reproduced above). When commenting on NERC's quarterly applications, IESO Nova Scotia requests that the NSEB confirm in its Order the effective date in Nova Scotia in each case.

1.2 VRFs and VSLs

IESO Nova Scotia's approval recommendations of NERC Reliability Standards to the NSEB do not include NERC Violation Risk Factors (VRFs) and Violation Severity Levels (VSLs). Consistent with the NSUARB's Decision dated July 24, 2013, with respect to NERC's Q1 2013 Application, NERC has confirmed that it does not seek approval of the VRFs and VSLs associated with the Reliability Standards submitted in its Application.

[2] M03324, NERC-R-10, NSUARB Order, July 20, 2011.

2.0 IESO NOVA SCOTIA RECOMMENDATION

IESO Nova Scotia has reviewed NERC's Application and provides the following recommendations.

2.1 PRC-024-4

Reliability Standard	PRC-024-4: Frequency and Voltage Protection Settings for Synchronous Generators, Type 1 and Type Wind Resources, and Synchronous Condensers
Group	Protection and Control (PRC)
Current version in Effect in Nova Scotia	PRC-024-3
Applicability	This standard is applicable to the following functions, as listed in Section 4 of the Standard: • Generator Owner • Transmission Owner IESO-NS does not perform the function of Generator Owner or Transmission Owner.
FERC Approval Date: (mm/dd/yy)	*Order No. 909, 192 FERC ¶ 61,076 (2025)*
NERC Effective Date: (mm/dd/yy)	10/01/2026
Implementation Plan	Implementation Plan
Method of Calculating the Nova Scotia Effective Date	Where approval by an applicable governmental authority is required, Reliability Standard PRC-024-4 shall become effective on the first day of the first calendar quarter that is twelve months after the effective date of the applicable governmental authority's order approving the standard, or as otherwise provided for by the applicable governmental authority.
IESO-NS Recommendation	IESO-NS recommends PRC-024-4 be approved. If NSEB approval is received in the first quarter of 2026, IESO-NS recommends this standard be effective July 1, 2026. If approval is received later, the effective date should be recalculated by applying the implementation plan referenced in the "Method of Calculating the Nova Scotia Effective Date" section above.
Retirement requested	PRC-024-3 shall be retired immediately prior to the effective date of the Reliability Standard PRC-024-4.

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86 **2.2 PRC-029-1**

Reliability Standard	PRC-029-1: Frequency and Voltage Ride-through Requirements for Inverter-Based Resources
Group	Protection and Control (PRC)
Current version in Effect in Nova Scotia	New Standard, no version in effect in Nova Scotia.
Applicability	This standard is applicable to the following functions, as listed in Section 4 of the Standard: • Generator Owner (BES IBR or Non-BES IBR >20 MVA) IESO-NS does not perform the function of Generator Owner.
FERC Approval Date: (mm/dd/yy)	*Order No. 909, 192 FERC ¶ 61,076 (2025)*
NERC Effective Date: (mm/dd/yy)	10/01/2026
Implementation Plan	Implementation Plan
Method of Calculating the Nova Scotia Effective Date	Where approval by an applicable governmental authority is required, Reliability Standard PRC-029-1 shall become effective on the first day of the first calendar quarter that is twelve months after the effective date of the applicable governmental authority's order approving the standard, or as otherwise provided for by the applicable governmental authority.
IESO-NS Recommendation	IESO-NS recommends PRC-029-1 be approved. If NSEB approval is received in the first quarter of 2026, IESO-NS recommends this standard be effective July 1, 2026. If approval is received later, the effective date should be recalculated by applying the implementation plan referenced in the "Method of Calculating the Nova Scotia Effective Date" section above.
Retirement requested	Not Applicable

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88 **2.3 EOP-012-3**

Reliability Standard	EOP-012-3: Extreme Cold Weather Preparedness and Operations
Group	Emergency Preparedness and Operations (EOP)
Current version in Effect in Nova Scotia	EOP-012-2
Applicability	This standard is applicable to the following functions, as listed in Section 4 of the Standard: • Generation Operator • Generator Owner IESO-NS does not perform the function of Generator Owner/Operator.
FERC Approval Date: (mm/dd/yy)	*Order No. 909, 192 FERC ¶ 61,229 (2025)*
NERC Effective Date: (mm/dd/yy)	10/01/2025
Implementation Plan	Implementation Plan
Method of Calculating the Nova Scotia Effective Date	Where approval by an applicable governmental authority is required, the standard and associated definitions shall become effective on the later of: (1) October 1, 2025; or (2) the first day of the first calendar quarter that is three (3) months after the effective date of the applicable governmental authority's order approving the standard, or as otherwise provided for by the applicable governmental authority.
IESO-NS Recommendation	IESO-NS recommends EOP-012-3 be approved. If NSEB approval is received in the first quarter of 2026, IESO-NS recommends this standard be effective July 1, 2026. If approval is received later, the effective date should be recalculated by applying the implementation plan referenced in the "Method of Calculating the Nova Scotia Effective Date" section above.
Retirement requested	EOP-012-2 shall be retired immediately prior to the effective date of the Reliability Standard EOP-012-3.

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3.0 GLOSSARY DEFINITIONS

NERC did not request approval of any new or revised glossary definitions in their Q3 2025 Application.

4.0 RETIREMENT OF RELIABILITY STANDARDS

NERC's application also proposes the retirement of PRC-024-3 and EOP-012-2 which were approved by FERC in Q3 2025. IESO Nova Scotia recommends their retirement immediately prior to the effective date of the revised versions recommended for approval.

5.0 CONCLUSION

In summary, IESO Nova Scotia has reviewed the Q3 NERC Reliability Standards application and recommends the NSEB approve Reliability Standards PRC-024-4, PRC-029-1, and EOP-012-3 effective as set out in Section 2.0, as well as the retirement of PRC-024-3 and EOP-012-2 immediately prior to the effective date of the revised versions recommended for approval.