

This appendix establishes modifications to the FERC approved NERC standard PRC-022-1 for its specific application in New Brunswick. This appendix must be read with PRC-022-1 to determine a full understanding of the requirements of the standard for New Brunswick. Where the standard and appendix differ, the appendix shall prevail.

A. Introduction

- 1. Title:** Under-Voltage Load Shedding Program Performance
- 2. Number:** PRC-022-1
- 3. Purpose:** Ensure that Under Voltage Load Shedding (UVLS) programs perform as intended to mitigate the risk of voltage collapse or voltage instability in the bulk power system.
- 4. Applicability**
 - 4.1.** No New Brunswick modifications
 - 4.2.** No New Brunswick modifications
 - 4.3.** No New Brunswick modifications
- 5. Effective Date:** Upon approval by the New Brunswick Energy and Utilities Board

B. Requirements

- R1.** Each Transmission Operator, Load-Serving Entity, and Distribution Provider that operates a UVLS program to mitigate the risk of voltage collapse or voltage instability in the bulk power system shall analyze and document all UVLS operations and Misoperations. The analysis shall include:
 - R1.1.** No New Brunswick modifications
 - R1.2.** No New Brunswick modifications
 - R1.3.** A simulation of the event, if deemed appropriate by the New Brunswick Energy and Utilities Board. For most events, analysis of sequence of events may be sufficient and dynamic simulations may not be needed.
 - R1.4.** No New Brunswick modifications

R1.5. No New Brunswick modifications

- R2.** Each Transmission Operator, Load-Serving Entity, and Distribution Provider that operates a UVLS program shall provide documentation of its analysis of UVLS program performance to its Regional Reliability Organization within 90 calendar days of a request. (Retirement of this requirement becomes effective upon New Brunswick Energy and Utilities Board approval.)

C. Measures

M1. No New Brunswick modifications

- M2.** Each Transmission Operator, Load-Serving Entity, and Distribution Provider that operates a UVLS program shall have evidence that it provided documentation of its analysis of UVLS program performance within 90 calendar days of a request by the Regional Reliability Organization. (Retirement becomes effective upon New Brunswick Energy and Utilities Board approval.)

D. Compliance

1. Compliance Monitoring Process

1.1. Compliance Monitoring Responsibility

New Brunswick Energy and Utilities Board

1.2. Compliance Monitoring Period and Reset Time Frame

No New Brunswick modifications

1.3. Data Retention

No New Brunswick modifications

1.4. Additional Compliance Information

No New Brunswick modifications

2. Levels of Non-Compliance

2.1. No New Brunswick modifications

2.2. No New Brunswick modifications

2.3. No New Brunswick modifications

2.4. No New Brunswick modifications

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E. Regional Differences

No New Brunswick modifications

Version History (maintained by NBEUB)

Version	NBEUB Approval Date	NB Appendix Effective Date	Change Tracking	Comments
0	06/11/14	06/11/14	1. Bulk Electric System (BES) replaced with" bulk power system" throughout 2. Revised section A to change the effective date to the NBEUB approved effective date of 02/07/06 3. Revised Section B to replace "Regional Reliability Organization" with " New Brunswick Energy and Utilities Board" 4. Revised section D to clarify the NBEUB as the entity	Approved Under NBEUB Matter 245

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			having compliance enforcement authority for NB	
			5. Revised R2 and M2 to the NBEUB approved retirement date of 06/11/14	