



New Brunswick Energy and Utilities Board

Reliability Standards, Compliance and Enforcement Program

New Brunswick 2021 Annual Implementation Plan

Version 1

December 10, 2020

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Version History

Version	Date	Changes
Draft	November 19, 2020	Initial Release
1	December 10, 2020	

1.0 Background

1.1 New Brunswick Compliance Framework

The [New Brunswick Energy and Utilities Board \(NBEUB\)](#) has the responsibility under the [Electricity Act](#) to adopt and enforce reliability standards in accordance with the [Reliability Standards Regulation \(Regulations\)](#).

1.1.1 Reliability Standards

The NBEUB adopts North American Electric Reliability Corporation (NERC) reliability standards that have been approved by the Federal Energy Regulatory Commission (FERC) and filed by NB Power, with or without modifications for application in NB. NB [Approved Reliability Standards \(Reliability Standards\)](#) are posted on the NBEUB website.

1.1.2 NB Bulk Power System (BPS)

The BPS in NB is determined according to the FERC approved definition of the bulk electric system, as it appears in the “NERC Glossary of Terms Used in Reliability Standards”. Under NB Regulations, the NBEUB may approve exceptions to the NB BPS.

1.1.3 Compliance Registry

The NBEUB maintains a [NB Compliance Registry](#) identifying those owners, users and operators of the BPS who must comply with Reliability Standards. NB registration requirements are generally based on the NERC functional model and registry criteria. The NB Compliance Registry is posted on the NBEUB website.

1.1.4 Compliance Monitoring

The NBEUB implements a compliance monitoring system for Reliability Standards that is generally based on the requirements of the NERC compliance program. The NB program is documented as the [New Brunswick Compliance Monitoring and Enforcement Program \(NB CMEP\) – Schedule A](#) to the Regulations. The NBEUB engages the Northeast Power Coordinating Council Inc. (NPCC), as a recognized compliance body under the Regulations, to assist with compliance monitoring activities in NB.

1.1.5 Enforcement

The NBEUB implements enforcement processes to ensure Registered Entities mitigate risks to reliability and may impose financial penalties and sanctions for violations of Reliability Standards. NPCC makes recommendations to the NBEUB, which may involve consultations with NERC, for enforcement action in NB.

2.0 New Brunswick Annual Implementation Plan (NB AIP)

2.1 Purpose

The purpose of the NB AIP is to identify the Reliability Standards that will be monitored in the upcoming year, the monitoring methods that will be used, and Registered Entity audit and compliance reporting schedules.

2.2 Development Process

The 2021 NB AIP is developed from the NERC 2021 ERO Enterprise Compliance Monitoring and Enforcement Program Implementation Plan (NERC IP), and NPCC entity-specific Compliance Oversight Plan(s).

The 2021 NERC IP takes into account continent wide risks to the reliability of the BPS and focuses compliance monitoring on Reliability Standards relating to the Management of Access and Access Controls, Insufficient Long-Term and Operations Planning Due to Inadequate Models, Loss of Major Transmission Equipment with Extended Lead Times, Inadequate Real-time Analysis During Tool and Data Outages, Improper Determination of Misoperations and Gaps in Program Execution.

NPCC Compliance Oversight Plans consider entity-specific risks and identify NERC Reliability Standards associated with those risks.

Appendix 1 Table 1 lists the Reliability Standards that will be the focus of compliance monitoring for 2021.

2.3 Approval Process

NBEUB compliance staff, in consultation with NPCC, prepares a draft NB AIP. The NBEUB notifies NB Registered Entities and posts the draft NB AIP on its website for comments. At the end of the comment period the NBEUB will finalize the NB AIP and post the final version on its website by January 1 of the monitoring year. The NB AIP may be subject to revision during the compliance year. In year revisions are typically not posted for comment, however Registered Entities will be notified of any revisions to the NB AIP and updated versions will be posted on the NBEUB website.

3.0 Compliance Monitoring

3.1 Audits

Audits will be carried out according to the schedules set out in the NB AIP. The NBEUB may also initiate unscheduled audits. The NBEUB will provide an initial notice to the Registered Entity confirming the pending audit and identify NPCC as the compliance body that will conduct the audit. NBEUB compliance staff will be observers on each audit. NPCC will provide an audit notice to the Registered Entity at least 60 days prior the audit date identifying the scope of the audit and audit team members. Audits may also include a review of any open investigations or mitigation actions related to the Registered Entity. The audit team will conduct the audit, prepare an audit report and review the report with the Registered Entity prior to forwarding it to the NBEUB. The NBEUB will review the report and provide the final audit report to the Registered Entity prior to posting a public version on its website. If an audit report identifies a potential violation, the audit report will not be released until the enforcement process is completed.

The 2021 Audit Schedule is set out in Appendix 2, Table 2.

3.2 Self-Certifications

All Registered Entities are subject to reporting self-certification of compliance to the NBEUB according to the schedules established in the NB AIP. Self-certifications are made through the NBEUB [Compliance Monitoring and Reporting System \(CMRS\)](#).

The NBEUB may initiate enforcement action for a late or non-submittal of a self-certification report.

The 2021 reporting schedules for self-certifications are set out in Appendix 3, Tables 4 to 8 (Type SC).

3.3 Spot Checks

The NBEUB may initiate a spot check at any time to verify a Registered Entity's compliance with a Reliability Standard. The NBEUB will provide the Registered Entity at least 20 days advanced notice of a spot check. Spot checks may be conducted by NBEUB compliance staff or by NPCC. The spot check process will require the Registered Entity to submit documentation that will be assessed by the spot check team to determine if a Registered Entity is in compliance with the Reliability Standard.

A draft spot check report will be prepared and made available to the Registered Entity for comments prior to being finalized. The NBEUB will provide the Registered Entity with a final spot check report.

Registered Entities that have had previous potential violations of Reliability Standards may be subject to spot checks for those Reliability Standards in 2021.

3.4 Periodic Data Submittals

Certain Reliability Standards contain provisions for the periodic reporting of data. Periodic data reports are made through the NBEUB CMRS according to the schedules established in the NB AIP.

The 2021 reporting schedules for data submittals are set out in Appendix 3, Tables 4 to 8 (Type PD).

3.5 Self-Reporting

A Registered Entity may self-report a possible violation with a Reliability Standard to the NBEUB through the NBEUB CMRS.

3.6 Compliance Investigations

The NBEUB may initiate a compliance investigation at any time in response to a system disturbance, complaint, suspected violation of a Reliability Standard, or on a recommendation from NERC or NPCC.

3.7 Complaints

A person may notify the NBEUB of a possible violation of a Reliability Standard by completing a [compliance complaint form](#) on the NBEUB website.

Appendix 1- Reliability Standards Subject to Active Compliance Monitoring in 2021

Table 1 - Reliability Standards List

Standard	Title
BAL-001-2	Real Power Balancing Control Performance
BAL-003-1.1	Frequency Response and Frequency Bias Setting
BAL-005-1	Balancing Authority Control
BAL-006-2	Inadvertent Interchange
CIP-003-8	Cyber Security - Security Management Controls
CIP-004-6	Cyber Security - Personnel & Training
CIP-005-5	Cyber Security - Electronic Security Perimeter(s)
CIP-005-6	Cyber Security - Electronic Security Perimeter(s)
CIP-007-6	Cyber Security - System Security Management
CIP-008-5	Cyber Security - Incident Reporting and Response Planning
CIP-008-6	Cyber Security - Incident Reporting and Response Planning
CIP-009-6	Cyber Security - Recovery Plans for BES Cyber Systems
CIP-010-2	Cyber Security - Configuration Change Management and Vulnerability Assessments
CIP-010-3	Cyber Security - Configuration Change Management and Vulnerability Assessments
CIP-011-2	Cyber Security- Information Protection
CIP-013-1	Cyber Security - Supply Chain Risk Management
CIP-014-2	Physical Security
COM-001-3	Communications
COM-002-4	Operating Personnel Communications Protocols
EOP-004-4	Event Reporting
EOP-005-3	System Restoration from Blackstart Resources
EOP-006-3	System Restoration Coordination
EOP-008-2	Loss of Control Center Functionality
EOP-010-1	Geomagnetic Disturbance Operations

Table 1 - Reliability Standards List

Standard	Title
EOP-011-1	Emergency Operations
FAC-001-3	Facility Interconnection Requirements
FAC-002-2	Facility Interconnection Studies
FAC-003-4	Transmission Vegetation Management
FAC-008-3	Facility Ratings
FAC-010-3	System Operating Limits Methodology for the Planning Horizon
FAC-011-3	System Operating Limits Methodology for the Operations Horizon
FAC-013-2	Assessment of Transfer Capability for the Near-term Transmission Horizon
FAC-014-2	Establish and communicate System Operating Limits
INT-009-2.1	Implementation of Interchange
IRO -001-4	Reliability Coordination – Responsibilities
IRO-002-6	Reliability Coordination – Monitoring and Analysis
IRO-006-5	Reliability Coordination- Transmission Loading Relief (TLR)
IRO-006-EAST-2	Transmission Loading Relief Procedure for the Eastern Interconnection
IRO-008-2	Reliability Coordinator Operational Analyses and Real-time Assessments
IRO -009-2	Reliability Coordinator Actions to Operate Within IROLs
IRO-010-2	Reliability Coordinator Data Specification and Collection
IRO -014-3	Coordination Among Reliability Coordinators
IRO -017-1	Outage Coordination
IRO -018-1(i)	Reliability Coordinator Real-time Reliability Monitoring and Analysis Capabilities
MOD-001-1a	Available Transmission system Capability
MOD-004-1	Capacity Benefit Margin
MOD-008-1	Transmission Reliability Margin Calculation Methodology
MOD-026-1	Verification of Models and Data for Generator Excitation Control System or Plant Volt/Var Control Functions
MOD-027-1	Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions
MOD-025-2	Verification and Data Reporting of Generator Real and Reactive Power Capability and Synchronous Condenser Reactive Power Capability
MOD-031-2	Demand and Energy Data
MOD-032-1	Data for Power System Modeling and Analysis

Table 1 - Reliability Standards List

Standard	Title
MOD-033-1	Steady-State and Dynamic System Model Validation
NUC-001-3	Nuclear Plant Interface Coordination
PER-003-2	Operating Personnel Credentials
PER-005-2	Operations Personnel Training
PER-006-1	Specific Training for Personnel
PRC-001-1.1(ii)	System Protection Coordination
PRC-002-2	Disturbance Monitoring and Reporting Requirements
PRC-004-5(i)	Protection System Misoperation Identification and Correction
PRC-005-1.1b	Transmission and Generation Protection System Maintenance and Testing
PRC-005-6	Protection System, Automatic Reclosing, and Sudden Pressure Relaying Maintenance
PRC-006-2	Automatic Underfrequency Load Shedding
PRC-006-NPCC-2	Automatic Underfrequency Load Shedding
PRC-008-0	Underfrequency Load Shedding Equipment Maintenance Programs
PRC-010-2	Undervoltage Load Shedding
PRC-015-1	Remedial Action Scheme Data and Documentation
PRC-016-1	Remedial Action Scheme Misoperations
PRC-017-1	Remedial Action Scheme Maintenance and Testing
PRC-018-1	Disturbance Monitoring Equipment Installation and Data Reporting
PRC-019-2	Coordination of Generating Unit or Plant Capabilities, Voltage Regulating Controls, and Protection
PRC-023-4	Transmission Relay Loadability
PRC-024-2	Generator Frequency and Voltage Protective Relay Settings
PRC-025-2	Generator Relay Loadability
PRC-026-1	Relay Performance During Stable Power Swings
PRC-027-1	Coordination of Protection Systems for Performance During Faults
TOP-001-4	Transmission Operations
TOP-002-4	Operations Planning
TOP-003-3	Operational Reliability Data
TOP-010-1(i)	Real-time Reliability Monitoring and Analysis Capabilities

Table 1 - Reliability Standards List

Standard	Title
TPL-001-4	Transmission System Planning Performance Requirements
TPL-007-3	Transmission System Planned Performance for Geomagnetic Disturbance Events
TPL-007-4	Transmission System Planned Performance for Geomagnetic Disturbance Events
VAR-001-5	Voltage and Reactive Control
VAR-002-4.1	Generator Operation for Maintaining Network Voltage Schedules

Note: The above table lists Reliability Standards that have been identified by the NBEUB as areas of focus for compliance monitoring in 2021, however Registered Entities are required to be compliant with all Reliability Standards applicable to their registration functions and therefore may be subject to additional compliance monitoring in 2021.

Appendix 2 – Annual Audit Plan

Table 2 – 2021 Audit Schedule

Registered Entity	Functions Subject to Audit	CIP	O&P	Audit Date
Caribou Wind Park LP (Caribou)	GO, GOP	X	X	10/25/2021
Kent Hills Wind LP	GO, GOP	X	X	10/25/2021

Table 3 – Reliability Standards Subject to 2021 Compliance Audit

Standard	Title
CIP-005-6	Cyber Security - Electronic Security Perimeter(s)
CIP-007-6	Cyber Security - System Security Management
CIP-010-3	Cyber Security - Configuration Change Management and Vulnerability Assessments
CIP-013-1	Cyber Security - Supply Chain Risk Management
FAC-003-4	Transmission Vegetation Management
FAC-008-3	Facility Ratings
MOD-026-1	Verification of Models and Data for Generator Excitation Control System or Plant Volt/Var Control Functions
MOD-027-1	Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions
PRC-004-5(i)	Protection System Misoperation Identification and Correction
PRC-005-6	Protection System, Automatic Reclosing, and Sudden Pressure Relaying Maintenance
PRC-027-1	Coordination of Protection Systems for Performance During Faults

Note: The above table lists Reliability Standards that have been identified by the NBEUB as areas of focus for compliance audits in 2021, however audits may include other Reliability Standards applicable to the Registered Entity’s function. Registered Entities will be notified of the scope of a planned audit at least 60 days prior to the scheduled date of the audit.

Appendix 3 – Compliance Reporting Schedules

Table 4 – Kent Hills Wind LP 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
Kent Hills Wind LP	GO	FAC-003-4	Transmission Vegetation Management	PD		01/01/2021	03/31/2021	04/20/2021
Kent Hills Wind LP	GO, GOP	CIP-005-5	Cyber Security - Electronic Security Perimeter(s)	SC	R2	01/01/2021	03/31/2021	04/20/2021
Kent Hills Wind LP	GO, GOP	CIP-010-2	Cyber Security - Configuration Change Management and Vulnerability Assessments	SC	R1	01/01/2021	03/31/2021	04/20/2021
Kent Hills Wind LP	GO	FAC-003-4	Transmission Vegetation Management	PD		04/01/2021	06/30/2021	07/20/2021
Kent Hills Wind LP	GO	FAC-003-4	Transmission Vegetation Management	PD		07/01/2021	09/30/2021	10/20/2021
Kent Hills Wind LP	GO	FAC-003-4	Transmission Vegetation Management	PD		10/01/2021	12/31/2021	01/20/2022
Kent Hills Wind LP	GO, GOP	CIP-005-6	Cyber Security - Electronic Security Perimeter(s)	SC	R2	04/01/2021	12/31/2021	03/20/2022
Kent Hills Wind LP	GO, GOP	CIP-007-6	Cyber Security - System Security Management	SC	R1	01/01/2021	12/31/2021	03/20/2022
Kent Hills Wind LP	GO, GOP	CIP-010-3	Cyber Security - Configuration Change Management and Vulnerability Assessments	SC	R1	04/01/2021	12/31/2021	03/20/2022

Table 4 – Kent Hills Wind LP 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
Kent Hills Wind LP	GO, GOP	CIP-013-1	Cyber Security - Supply Chain Risk Management	SC	R1, R2	04/01/2021	12/31/2021	03/20/2022
Kent Hills Wind LP	GO	FAC-003-4	Transmission Vegetation Management	SC	R1, R2, R3, R6, R7	01/01/2021	12/31/2021	03/20/2022
Kent Hills Wind LP	GO	FAC-008-3	Facility Ratings	SC	R6	01/01/2021	12/31/2021	03/20/2022
Kent Hills Wind LP	GO	MOD-026-1	Verification of Models and Data for Generator Excitation Control System or Plant Volt/Var Control Functions	SC	R1, R2, R3	01/01/2021	12/31/2021	03/20/2022
Kent Hills Wind LP	GO	MOD-027-1	Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions	SC	R2	01/01/2021	12/31/2021	03/20/2022
Kent Hills Wind LP	GO	PRC-004-5(i)	Protection System Misoperation Identification and Correction	SC	R1, R5	01/01/2021	12/31/2021	03/20/2022
Kent Hills Wind LP	GO	PRC-005-6	Protection System, Automatic Reclosing, and Sudden Pressure Relaying Maintenance	SC	R3	01/01/2021	12/31/2021	03/20/2022
Kent Hills Wind LP	GO	PRC-027-1	Coordination of Protection Systems for Performance During Faults	SC	R1, R3	01/01/2021	12/31/2021	03/20/2022

Table 5 – Caribou 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
Caribou	GO	FAC-003-4	Transmission Vegetation Management	PD		01/01/2021	03/31/2021	04/20/2021
Caribou	GO, GOP	CIP-005-5	Cyber Security - Electronic Security Perimeter(s)	SC	R2	01/01/2021	03/31/2021	04/20/2021
Caribou	GO, GOP	CIP-010-2	Cyber Security - Configuration Change Management and Vulnerability Assessments	SC	R1	01/01/2021	03/31/2021	04/20/2021
Caribou	GO	FAC-003-4	Transmission Vegetation Management	PD		04/01/2021	06/30/2021	07/20/2021
Caribou	GO	FAC-003-4	Transmission Vegetation Management	PD		07/01/2021	09/30/2021	10/20/2021
Caribou	GO	FAC-003-4	Transmission Vegetation Management	PD		10/01/2021	12/31/2021	01/20/2022
Caribou	GO, GOP	CIP-005-6	Cyber Security - Electronic Security Perimeter(s)	SC	R2	04/01/2021	12/31/2021	03/20/2022
Caribou	GO, GOP	CIP-007-6	Cyber Security - System Security Management	SC	R1	01/01/2021	12/31/2021	03/20/2022
Caribou	GO, GOP	CIP-010-3	Cyber Security - Configuration Change Management and Vulnerability Assessments	SC	R1	04/01/2021	12/31/2021	03/20/2022
Caribou	GO, GOP	CIP-013-1	Cyber Security - Supply Chain Risk Management	SC	R1, R2	04/01/2021	12/31/2021	03/20/2022
Caribou	GO	FAC-003-4	Transmission Vegetation Management	SC	R1, R2, R3, R6, R7	01/01/2021	12/31/2021	03/20/2022
Caribou	GO	FAC-008-3	Facility Ratings	SC	R6	01/01/2021	12/31/2021	03/20/2022

Table 5 – Caribou 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
Caribou	GO	MOD-026-1	Verification of Models and Data for Generator Excitation Control System or Plant Volt/Var Control Functions	SC	R1, R2, R3	01/01/2021	12/31/2021	03/20/2022
Caribou	GO	MOD-027-1	Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions	SC	R2	01/01/2021	12/31/2021	03/20/2022
Caribou	GO	PRC-004-5(i)	Protection System Misoperation Identification and Correction	SC	R1, R5	01/01/2021	12/31/2021	03/20/2022
Caribou	GO	PRC-005-6	Protection System, Automatic Reclosing, and Sudden Pressure Relaying Maintenance	SC	R3	01/01/2021	12/31/2021	03/20/2022
Caribou	GO	PRC-027-1	Coordination of Protection Systems for Performance During Faults	SC	R1, R3	01/01/2021	12/31/2021	03/20/2022

Table 6 – NB Power 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
NB Power	GO, TO	FAC-003-4	Transmission Vegetation Management	PD		01/01/2021	03/31/2021	04/20/2021
NB Power	BA, DP, GO, GOP, RC, TOP, TO	CIP-005-5	Cyber Security-Electronic Security Perimeter(s)	SC	R1, R2	01/01/2021	03/31/2021	04/20/2021
NB Power	TP, PA, TO, GO	TPL-007-3	Transmission System Planned Performance for Geomagnetic Disturbance Events	SC	R2, R5, R9	01/01/2021	03/30/2021	04/20/2021
NB Power	BA, DP, GO, GOP, RC, TOP, TO	CIP-010-2	Cyber Security - Configuration Change Management and Vulnerability Assessments	SC	R1	01/01/2021	03/31/2021	04/20/2021
NB Power	BA, DP, GO, GOP, RC, TOP, TO	CIP-008-5	Cyber Security - Incident Reporting and Response Planning	SC	R1, R2, R3, R4	01/01/2021	06/30/2021	07/20/2021
NB Power	GO, TO	FAC-003-4	Transmission Vegetation Management	PD		04/01/2021	06/30/2021	07/20/2021
NB Power	GO, TO	FAC-003-4	Transmission Vegetation Management	PD		07/01/2021	09/30/2021	10/20/2021
NB Power	GO, TO	FAC-003-4	Transmission Vegetation Management	PD		10/01/2021	12/31/2021	01/20/2022
NB Power	BA	BAL-001.2	Real Power Balancing Control Performance	SC	R1, R2	01/01/2021	12/31/2021	03/20/2022
NB Power	BA	BAL-003-1.1	Frequency Response and Frequency Bias Setting	SC	R1, R2, R3, R4	01/01/2021	12/31/2021	03/20/2022

Table 6 – NB Power 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
NB Power	BA	BAL-005-1	Balancing Authority Control	SC	R1, R2, R3, R4, R5, R6, R7	01/01/2021	12/31/2021	03/20/2022
NB Power	BA	BAL-006-2	Inadvertent Interchange	SC	R1, R2, R3, R4, R5	01/01/2021	12/31/2021	03/20/2022
NB Power	BA, DP, GO, GOP, RC, TOP, TO	CIP-003-8	Cyber Security - Security Management Controls	SC	R1, R2, R3	04/01/2020	12/31/2020	03/20/2021
NB Power	BA, DP, GO, GOP, RC, TOP, TO	CIP-004-6	Cyber Security - Personnel & Training	SC	R1, R2, R3, R4, R5	01/01/2021	12/31/2021	03/20/2022
NB Power	BA, DP, GO, GOP, RC, TOP, TO	CIP-005-6	Cyber Security-Electronic Security Perimeter(s)	SC	R1, R2	04/01/2021	12/31/2021	03/20/2022
NB Power	BA, DP, GO, GOP, RC, TOP, TO	CIP-007-6	Cyber Security - System Security Management	SC	R4	01/01/2021	12/31/2021	03/20/2022
NB Power	BA, DP, GO, GOP, RC, TOP, TO	CIP-008-6	Cyber Security - Incident Reporting and Response Planning	SC	R1, R2, R3, R4	07/01/2021	12/31/2021	03/20/2022

Table 6 – NB Power 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
NB Power	BA, DP, GO, GOP, RC, TOP, TO	CIP-009-6	Cyber Security - Recovery Plans for BES Cyber Systems	SC	R1	01/01/2021	12/31/2021	03/20/2022
NB Power	BA, DP, GO, GOP, RC,	CIP-010-3	Cyber Security - Configuration Change Management and Vulnerability Assessments	SC	R1, R4	04/01/2021	12/31/2021	03/20/2022
NB Power	BA, DP, GO, GOP, RC, TOP, TO	CIP-011-2	Cyber Security - Information Protection	SC	R1, R2	01/01/2021	12/31/2021	03/20/2022
NB Power	BA, DP, GO, GOP, RC, TOP, TO	CIP-013-1	Cyber Security - Supply Chain Risk Management	SC	R1, R2, R3	04/01/2021	12/31/2021	03/20/2022
NB Power	BA, DP, GO, GOP, RC, TOP, TO	CIP-014-2	Physical Security	SC	R2, R4, R6	01/01/2021	12/31/2021	03/20/2022
NB Power	RC, TOP, GOP, BA, DP	COM-001-3	Communications	SC	R1, R2, R3, R4, R8, R9, R10, R11, R12	01/01/2021	12/31/2021	03/20/2022

Table 6 – NB Power 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
NB Power	RC, TOP, GOP, BA, DP	COM-002-4	Operating Personnel Communications Protocols	SC	R3, R6, R7	01/01/2021	12/31/2021	03/20/2022
NB Power	BA, DP, GO, GOP, RC, TOP, TO	EOP-004-4	Event Reporting	SC	R1, R2	01/01/2021	12/31/2021	03/20/2022
NB Power	TOP	EOP-005-3	System Restoration from Blackstart Resources	SC	R5	01/01/2021	12/31/2021	03/20/2022
NB Power	RC	EOP-006-3	System Restoration Coordination	SC	R2, R5, R7, R8	01/01/2021	12/31/2021	03/20/2022
NB Power	RC, BA, TOP	EOP-008-2	Loss of Control Center Functionality	SC	R8	01/01/2021	12/31/2021	03/20/2022
NB Power	RC, TOP	EOP-010-1	Geomagnetic Disturbance Operations	SC	R1, R2, R3	01/01/2021	12/31/2021	03/20/2022
NB Power	RC, BA, TOP	EOP-011-1	Emergency Operations	SC	R4, R5, R6	01/01/2021	12/31/2021	03/20/2022
NB Power	TO, GO	FAC-001-3	Facility Interconnection Requirements	SC	R1, R2, R3, R4	01/01/2021	12/31/2021	03/20/2022
NB Power	TO, GO, DP	FAC-002-2	Facility Interconnection Studies	SC	R2, R3, R4, R5	01/01/2021	12/31/2021	03/20/2022
NB Power	GO, TO	FAC-003-4	Transmission Vegetation Management	SC	R1, R2, R3, R6, R7	01/01/2021	12/31/2021	03/20/2022

Table 6 – NB Power 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
NB Power	GO, TO	FAC-008-3	Facility Ratings	SC	R2, R3, R7, R8	01/01/2021	12/31/2021	03/20/2022
NB Power	PA	FAC-010-3	System Operating Limits Methodology for the Planning Horizon	SC	R2	01/01/2021	12/31/2021	03/20/2022
NB Power	RC	FAC-011-3	System Operating Limits Methodology for the Operations Horizon	SC	R2, R3	01/01/2021	12/31/2021	03/20/2022
NB Power	PA	FAC-013-2	Assessment of Transfer Capability for the Near-Term Transmission Planning Horizon	SC	R1, R4	01/01/2021	12/31/2021	03/20/2022
NB Power	TOP, PA, RC, TP	FAC-014-2	Establish and Communicate System Operating Limits	SC	R2, R3, R5, R6	01/01/2021	12/31/2021	03/20/2022
NB Power	BA	INT-009-2.1	Implementation of Interchange	SC	R1, R2, R3	01/01/2021	12/31/2021	03/20/2022
NB Power	RC, TOP, BA, GOP, DP	IRO-001-4	Reliability Coordination – Responsibilities	SC	R1, R2, R3	01/01/2021	12/31/2021	03/20/2022
NB Power	RC	IRO-002-6	Reliability Coordination - Monitoring and Analysis	SC	R1, R2, R3, R4, R5, R6	01/01/2021	12/31/2021	03/20/2022
NB Power	RC, BA	IRO-006-5	Reliability Coordination - Transmission Loading Relief (TLR)	SC	R1	01/01/2021	12/31/2021	03/20/2022
NB Power	RC	IRO-006-EAST-2	TLR Procedure for the Eastern Interconnection	SC	R1, R1 R2, R2	01/01/2021	12/31/2021	03/20/2022
NB Power	RC	IRO-008-2	Reliability Coordinator Operational Analyses and Real-time Assessments	SC	R3, R5, R6	01/01/2021	12/31/2021	03/20/2022

Table 6 – NB Power 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
NB Power	RC	IRO-009-2	Reliability Coordinator Actions to Operate Within IROLs	SC	R4	01/01/2021	12/31/2021	03/20/2022
NB Power	RC, BA, GOP, GO, TOP, TO, DP	IRO-010-2	Reliability Coordinator Data Specification and Collection	SC	R1, R2, R3	01/01/2021	12/31/2021	03/20/2022
NB Power	RC	IRO-014-3	Coordination Among Reliability Coordinators	SC	R1, R3, R4, R5, R6, R7	01/01/2021	12/31/2021	03/20/2022
NB Power	RC, PA, TP, TOP, BA	IRO-017-1	Outage Coordination	SC	R1, R2, R3, R4	01/01/2021	12/31/2021	03/20/2022
NB Power	RC	IRO-018-1(i)	Reliability Coordinator Real-time Reliability Monitoring and Analysis Capabilities	SC	R1, R2, R3	01/01/2021	12/31/2021	03/20/2022
NB Power	TOP, TSP	MOD-001-1a	Available Transmission System Capability	SC	R1, R2, R3, R6, R7, R8, R9	01/01/2021	12/31/2021	03/20/2022
NB Power	TSP, RP, BA	MOD-004-1	Capacity Benefit Margin	SC	R1, R2, R4, R5, R7, R11, R12	01/01/2021	12/31/2021	03/20/2022
NB Power	TOP	MOD-008-1	Transmission Reliability Margin Calculation Methodology	SC	R1, R2, R4, R5	01/01/2021	12/31/2021	03/20/2022
NB Power	TO	MOD-025-2	Verification and Data Reporting of Generator Real and Reactive Power Capability and Synchronous Condenser Reactive Power Capability	SC	R3	01/01/2021	12/31/2021	03/20/2022

Table 6 – NB Power 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
NB Power	GO, TP	MOD-026-1	Verification of Models and Data for Generator Excitation Control System or Plant Volt/Var Control Functions	SC	R2	01/01/2021	12/31/2021	03/20/2022
NB Power	GO, TP	MOD-027-1	Verification of Models and Data for Turbine/Governor and Load Control or Active Power/Frequency Control Functions	SC	R2	01/01/2021	12/31/2021	03/20/2022
NB Power	PA, TP, BA, RP, DP	MOD-031-2	Demand and Energy Data	SC	R1, R2, R3, R4	01/01/2021	12/31/2021	03/20/2022
NB Power	PA, TP, BA, RP, TSP, GO	MOD-032-1	Data for Power System Modeling and Analysis	SC	R1, R2, R4	01/01/2021	12/31/2021	03/20/2022
NB Power	PA, RC, TOP	MOD-033-1	Steady-State and Dynamic System Model Validation	SC	R1, R2	01/01/2021	12/31/2021	03/20/2022
NB Power	TOP, TO, TP, TSP, BA, RC, PA, DP, GO, GOP	NUC-001-3	Nuclear Plant Interface Coordination	SC	R1, R2, R3, R4, R5, R6, R7, R8, R9	01/01/2021	12/31/2021	03/20/2022
NB Power	RC, BA, TOP	PER-003-2	Operating Personnel Credentials	SC	R1, R2, R3	01/01/2021	12/31/2021	03/20/2022
NB Power	TO, RC, BA, TOP, GO	PER-005-2	Operations Personnel Training	SC	R2, R5, R6	01/01/2021	12/31/2021	03/20/2022
NB Power	GOP	PER-006-1	Specific Training for Personnel	SC	R1	10/01/2021	12/31/2021	03/20/2022

Table 6 – NB Power 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
NB Power	BA, TOP, GOP	PRC-001-1.1(ii)	System Protection Coordination	SC	R1, R2, R3, R4, R5, R6	01/01/2021	12/31/2021	03/20/2022
NB Power	TO, GO, PA	PRC-002-2	Disturbance Monitoring and Reporting Requirements	SC	R1, R5, R12	01/01/2021	12/31/2021	03/20/2022
NB Power	TO, GO, PA	PRC-002-2	Disturbance Monitoring and Reporting Requirements	SC	R2, R3, R4, R6, R7, R8, R9, R10, R11	07/01/2021	12/31/2021	03/20/2022
NB Power	GO, TO, DP	PRC-004-5(i)	Protection System Misoperation Identification and Correction	SC	R2, R4, R5, R6	01/01/2021	12/31/2021	03/20/2022
NB Power	GO, TO, DP	PRC-005-6	Protection System, Automatic Reclosing, and Sudden Pressure Relaying Maintenance	SC	R1, R4, R5	01/01/2021	12/31/2021	03/20/2022
NB Power	PA, DP, TO	PRC-006-2	Automatic Underfrequency Load Shedding	SC	R1, R2, R4, R5, R9, R10, R11, R12, R13, R15	01/01/2021	12/31/2021	03/20/2022
NB Power	PA, GO, DP, TO	PRC-006-NPCC-2	Automatic Underfrequency Load Shedding	SC	R1, R2, R5, R6, R8, R9, R10, R14, R15, R16, R17, R18, R19, R21, R22	01/01/2021	12/31/2021	03/20/2022

Table 6 – NB Power 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
NB Power	TO, DP	PRC-008-0	Implementation and Documentation of Underfrequency Load Shedding Equipment Maintenance Program	SC	R1, R2	01/01/2021	12/31/2021	03/20/2022
NB Power	PA, TP, TO DP	PRC-010-2	Undervoltage Load Shedding	SC	R1, R2, R3, R4, R5, R6, R7, R8	01/01/2021	12/31/2021	03/20/2022
NB Power	GO, TO, DP	PRC-015-1	Remedial Action Scheme Data and Documentation	SC	R1, R2	01/01/2021	12/31/2021	03/20/2022
NB Power	TO, GO, DP	PRC-016-1	Remedial Action Scheme Misoperations	SC	R1, R2	01/01/2021	12/31/2021	03/20/2022
NB Power	TO, GO	PRC-017-1	Remedial Action Scheme Maintenance and Testing	SC	R1	01/01/2021	12/31/2021	03/20/2022
NB Power	TO, GO	PRC-018-1	Disturbance Monitoring Equipment Installation and Data Reporting	SC	R1, R2	01/01/2021	12/31/2021	03/20/2022
NB Power	TO, GO	PRC-019-2	Coordination of Generating Unit or Plant Capabilities, Voltage Regulating Controls, and Protection	SC	R2	01/01/2021	12/31/2021	03/20/2022
NB Power	TO, GO, PA	PRC-023-4	Transmission Relay Loadability	SC	R1, R2, R3, R6	01/01/2021	12/31/2021	03/20/2022
NB Power	TO, GO, DP	PRC-025-2	Generator Relay Loadability	SC	R1	01/01/2021	12/31/2021	03/20/2022
NB Power	GO, TO, PA	PRC-026-1	Relay Performance During Stable Power Swings	SC	R1, R2, R3, R4	01/01/2021	12/31/2021	03/20/2022
NB Power	GO, TO	PRC-027-1	Coordination of Protection Systems for Performance During Faults	SC	R1, R3	10/01/2021	12/31/2021	03/20/2022

Table 6 – NB Power 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
NB Power	TOP	TOP-001-4	Transmission Operations	SC	R13	01/01/2021	12/31/2021	03/20/2022
NB Power	BA, TOP	TOP-002-4	Operations Planning	SC	R1, R2, R3, R4, R5, R6, R7	01/01/2021	12/31/2021	03/20/2022
NB Power	TOP, BA, GO, GOP, TO, DP	TOP-003-3	Operational Reliability Data	SC	R1, R2, R5	01/01/2021	12/31/2021	03/20/2022
NB Power	BA, TOP	TOP-010-1(i)	Real-time Reliability Monitoring and Analysis Capabilities	SC	R1, R2, R3, R4	01/01/2021	12/31/2021	03/20/2022
NB Power	PA, TP	TPL-001-4	Transmission System Planning Performance Requirements	SC	R1, R2.1.5	01/01/2021	12/31/2021	03/20/2022
NB Power	TP, PA, TO, GO	TPL-007-4	Transmission System Planned Performance for Geomagnetic Disturbance Events	SC	R2, R5, R9	04/01/2021	12/31/2021	03/20/2022
NB Power	TOP	VAR-001-5	Voltage and Reactive Control	SC	R1, R2, R3, R5, R6	01/01/2021	12/31/2021	03/20/2022
NB Power	GO, GOP	VAR-002-4.1	Generator Operation for Maintaining Network Voltage Schedules	SC	R2, R4, R5, R6	01/01/2021	12/31/2021	03/20/2022

Table 7 – Saint John Energy 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
Saint John Energy	DP	CIP-005-5	Cyber Security - Electronic Security Perimeter(s)	SC	R2	01/01/2021	03/31/2021	04/20/2021
Saint John Energy	DP	CIP-010-2	Cyber Security - Configuration Change Management and Vulnerability Assessments	SC	R1	01/01/2021	03/31/2021	04/20/2021
Saint John Energy	DP	CIP-005-6	Cyber Security - Electronic Security Perimeter(s)	SC	R2	04/01/2021	12/31/2021	03/20/2022
Saint John Energy	DP	CIP-007-6	Cyber Security - System Security Management	SC	R1	01/01/2021	12/31/2021	03/20/2022
Saint John Energy	DP	CIP-010-3	Cyber Security - Configuration Change Management and Vulnerability Assessments	SC	R1	04/01/2021	12/31/2021	03/20/2022
Saint John Energy	DP	CIP-013-1	Cyber Security - Supply Chain Risk Management	SC	R1, R2	04/01/2021	12/31/2021	03/20/2022

Table 8 – Irving Oil Refining G.P. 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
Irving Oil Refining G.P.	TO	FAC-003-4	Transmission Vegetation Management	PD		01/01/2021	03/31/2021	04/20/2021
Irving Oil Refining G.P.	TO	CIP-005-5	Cyber Security - Electronic Security Perimeter(s)	SC	R2	01/01/2021	03/31/2021	04/20/2021
Irving Oil Refining G.P.	TO	CIP-010-2	Cyber Security - Configuration Change Management and Vulnerability Assessments	SC	R1	01/01/2021	03/31/2021	04/20/2021
Irving Oil Refining G.P.	TO	FAC-003-4	Transmission Vegetation Management	PD		04/01/2021	06/30/2021	07/20/2021
Irving Oil Refining G.P.	TO	FAC-003-4	Transmission Vegetation Management	PD		07/01/2021	09/30/2021	10/20/2021
Irving Oil Refining G.P.	TO	FAC-003-4	Transmission Vegetation Management	PD		10/01/2021	12/31/2021	01/20/2022
Irving Oil Refining G.P.	TO	CIP-005-6	Cyber Security - Electronic Security Perimeter(s)	SC	R2	04/01/2021	12/31/2021	03/20/2022
Irving Oil Refining G.P.	TO	CIP-007-6	Cyber Security - System Security Management	SC	R1	01/01/2021	12/31/2021	03/20/2022
Irving Oil Refining G.P.	TO	CIP-010-3	Cyber Security - Configuration Change Management and Vulnerability Assessments	SC	R1	04/01/2021	12/31/2021	03/20/2022
Irving Oil Refining G.P.	TO	CIP-013-1	Cyber Security - Supply Chain Risk Management	SC	R1, R2	04/01/2021	12/31/2021	03/20/2022

Table 8 – Irving Oil Refining G.P. 2021 Compliance Reporting Schedule

Registered Entity	Function	Standard	Title	Type	Req's	Start of Reporting Period	End of Reporting Period	Due Date
Irving Oil Refining G.P.	TO	FAC-003-4	Transmission Vegetation Management	SC	R1, R2, R3, R6, R7	01/01/2021	12/31/2021	03/20/2022
Irving Oil Refining G.P.	TO	FAC-008-3	Facility Ratings	SC	R6	01/01/2021	12/31/2021	03/20/2022
Irving Oil Refining G.P.	TO	PRC-004-5(i)	Protection System Misoperation Identification and Correction	SC	R1, R5	01/01/2021	12/31/2021	03/20/2022
Irving Oil Refining G.P.	TO	PRC-005-6	Protection System, Automatic Reclosing, and Sudden Pressure Relaying Maintenance	SC	R3	04/01/2021	12/31/2021	03/20/2022
Irving Oil Refining G.P.	TO	PRC-027-1	Coordination of Protection Systems for Performance During Faults	SC	R1, R3	10/01/2021	12/31/2021	03/20/2022

Glossary

Acronym	Definition
SC	Self-Certification
PD	Periodic Data Submittal
BA	Balancing Authority
DP	Distribution Provider
GO	Generator Owner
GOP	Generator Operator
IA	Interchange Authority
LSE	Load Serving Entity
PA	Planning Authority
PSE	Purchasing-Selling Entity
RC	Reliability Coordinator
RP	Resource Planner
RSG	Reserve Sharing Group
TO	Transmission Owner
TOP	Transmission Operator
TP	Transmission Planner
TSP	Transmission Service Provider