

**BEFORE THE  
NOVA SCOTIA UTILITIES AND REVIEW BOARD  
THE PROVINCE OF NOVA SCOTIA**

**NORTH AMERICAN ELECTRIC )  
RELIABILITY CORPORATION )**

**REPORT OF THE  
NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION OF PLAN  
AND TIMETABLE FOR MODIFICATION OR DEVELOPMENT OF  
RELIABILITY STANDARD FOLLOWING  
REMAND OF TRANSMISSION PLANNING RELIABILITY STANDARD  
TPL-002-0b**

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**Attachment A** -- Standard Authorization Request Form for revision of TPL-002 footnote 'b' and TPL-001 footnote 12

## **I. INTRODUCTION**

Pursuant to Rule 309.2 of the Rules of Procedure, the North American Electric Reliability Corporation (“NERC”) hereby provides the plan and timetable for modification or development of the Reliability Standard following the remand by the Federal Energy Regulatory Commission (“FERC”) of Reliability Standard TPL-002-0b. NERC had provided a notice of remand of TPL-002-0b on April 27, 2012.

NERC is submitting this filing with the other applicable governmental authorities in Canada.

## **II. NOTICES AND COMMUNICATIONS**

Notices and communications with respect to this filing may be addressed to the following:

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## **III. PLAN AND TIMETABLE FOR MODIFICATION OR DEVELOPMENT OF TPL-002-1b**

On April 19, 2012, FERC issued Order No. 762 remanding TPL-002-0b because FERC determined that footnote b to Table 1 of that Reliability Standard was vague,

unenforceable, and not responsive to previous directives. Therefore, FERC found TPL-002-0b to be unjust, unreasonable, unduly discriminatory or preferential, and not in the public interest. In a related matter, FERC proposed to remand TPL-001-2 because NERC incorporated footnote b into the new TPL-001-2 reliability standard. NERC has been directed to revise footnote b in accordance with the directives of Order Nos. 762 and 693. This project will also revise footnote 12 to TPL-001-2 in order to prevent the remand of TPL-001-2. This provision will allow for entities to plan to shed load under very limited circumstances so long as there is no adverse reliability impact to the BES.

Rule 309.2 of the NERC Rules of Procedure requires that, once a Reliability Standard is remanded by an Applicable Governmental Authority, NERC must notify all other Applicable Governmental Authorities within five business days of the remand and, within thirty calendar days, report to all Applicable Governmental Authorities a plan and timetable for modification or development of the Reliability Standard. NERC provided notice of the remand on April 27, 2012. This filing provides a description of the plan and timetable for modification or development of TPL-002-0b, as required by Rule 309.2.

The drafting team is working to provide clarity on TPL-002-0b, Table 1 - footnote b and TPL-001-2 Table 1 footnote 12, regarding the planned or controlled interruption of electric supply where a single contingency occurs on a transmission system. The drafting team plans on quickly responding to the directives in Order No. 762 in order to preserve their ability to plan to shed load under limited circumstances in response to a single contingency on a system. The timetable that the drafting team will follow in revising the footnote is included below, with a projected delivery date to the NERC Board of Trustees for approval at its February 2013 meeting.

**High Level Proposed Schedule for Footnote b**  
(Approximate)

June 14	SAR approved by SC
May 1 – June 18	Development of draft footnote b
June 19	Deliver draft to QR and SRI
June 25	Receive comments back from QR & SRI
June 29	Revised draft back to QR
July 5 – August 20	45 day combined posting/initial ballot
August 22	Comments received
September 7	Successive ballot draft to QR & SRI
September 14	Receive comments back from QR & SRI
September 20	Revised draft back to QR
September 24 – October 24	Successive ballot and comment
October 26	Comments received
November 10	Recirculation draft to QR & SRI
November 17	Receive comments back from QR & SRI
November 27	Revised draft back to QR
November 29 – December 8	Recirculation ballot

In addition, attached to this filing as Attachment A is the Standard Authorization Request

Form for revision of TPL-002 footnote b and TPL-001 footnote 12.

Respectfully submitted,

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**ATTACHMENT A**

Standard Authorization Request Form for revision of TPL-002 footnote 'b'  
and TPL-001 footnote 12

## Standard Authorization Request Form

Request Date	Revision of TPL-002 footnote 'b' and TPL-001 footnote 12
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<b>SAR Requester Information</b>	<b>SAR Type</b> ( <i>Check a box for each one that applies.</i> )	
Individual, Group, or Committee Name Standards Committee	<input type="checkbox"/>	New Standard
Primary Contact (if Group or Committee) Allen Mosher	X	Revision to existing Standard
Company or Group Name APPA	<input type="checkbox"/>	Withdrawal of existing Standard
E-mail amosher@publicpower.org	<input type="checkbox"/>	Project Identified in Reliability Standards Development Plan (Project Number and Name: )
Telephone (202) 467-2944	<input type="checkbox"/>	Modification to NERC Glossary term or addition of new term



**Brief Description of Proposed Standard Modifications/Actions**

The drafting team must provide clarity on TPL-002-0, Table 1 - footnote 'b' and TPL-001-2 Table 1 footnote 12, regarding the planned or controlled interruption of electric supply where a single contingency occurs on a transmission system. The drafting team must quickly respond to the directives in Order No. 762 in order to preserve their ability to plan to shed load under limited circumstances for certain contingencies.

**Need**

On April 19, 2012, FERC issued Order No. 762 remanding TPL-002-2b because FERC determined that footnote b to Table 1 of that Reliability Standard was vague, unenforceable, and not responsive to previous directives. Therefore FERC found TPL-002-2b to be unjust, unreasonable, unduly discriminatory or preferential, and not in the public interest. In a related matter, FERC proposed to remand TPL-001-2 because NERC incorporated footnote b into the new TPL-001-2 reliability standard.

NERC has been directed to revise footnote b in accordance with the directives of Order Nos. 762 and 693. This project will also revise footnote 12 to TPL-001-2 in order to prevent the remand of TPL-001-2.

This provision will allow for entities to plan to shed load under very limited circumstances so long as there is no adverse reliability impact to the BES.

**Goals** (Describe what must be accomplished in order to meet the above need. This section would become the Requirements in a Reliability Standard.)

NERC must develop a process that will not adversely impact BES reliability and that satisfies the directives of Order No. 762 by clearly delineating when entities may plan for load shedding following a single contingency.

**Objectives and/or Potential Future Metrics**

The drafting must either develop a blend of quantitative and qualitative methodologies or a specific "customer consent" process that will allow for planning to shed load following a single contingency.

**Detailed Description** The drafting team must provide clarity on TPL-002-0, Table 1 - footnote 'b' and TPL-001-2 Table 1 footnote 12, regarding the planned or controlled interruption of electric supply where a single contingency occurs on a transmission system. The drafting team must quickly respond to the directives in Order No. 762 in order to preserve their ability to plan to shed load under limited circumstances for certain contingencies.

NERC has been directed to revise footnote b in accordance with the directives of Order Nos. 762 and 693. This project will also revise footnote 12 to TPL-001-2 in order to prevent the remand of TPL-001-2.

This provision will allow for entities to plan to shed load under very limited circumstances so long as there is no adverse reliability impact to the BES.

**OPTIONAL: Technical Analysis Performed to Support Justification**

NERC will be conducting a mandatory Data Request to identify the specific instances of any planned interruptions of Firm Demand under footnote 'b' and how frequently the provision has been used in parallel with this SAR.

## Standards Authorization Request Form

### Reliability Functions

The Standard(s) May Apply to the Following Functions <i>(Check box for each one that applies.)</i>		
<input type="checkbox"/>	Regional Entity	Conducts the regional activities related to planning and operations, and coordinates activities of Responsible Entities to secure the reliability of the Bulk Electric System within the region and adjacent regions.
<input type="checkbox"/>	Reliability Coordinator	Responsible for the real-time operating reliability of its Reliability Coordinator Area in coordination with its neighboring Reliability Coordinator's wide area view.
<input type="checkbox"/>	Balancing Authority	Integrates resource plans ahead of time, and maintains load-interchange-resource balance within a Balancing Authority Area and supports Interconnection frequency in real time.
<input type="checkbox"/>	Interchange Authority	Ensures communication of interchange transactions for reliability evaluation purposes and coordinates implementation of valid and balanced interchange schedules between Balancing Authority Areas.
X	Planning Coordinator	Assesses the longer-term reliability of its Planning Coordinator Area.
<input type="checkbox"/>	Resource Planner	Develops a >one year plan for the resource adequacy of its specific loads within a Planning Coordinator area.
X	Transmission Planner	Develops a >one year plan for the reliability of the interconnected Bulk Electric System within its portion of the Planning Coordinator area.
<input type="checkbox"/>	Transmission Service Provider	Administers the transmission tariff and provides transmission services under applicable transmission service agreements (e.g., the pro forma tariff).
<input type="checkbox"/>	Transmission Owner	Owens and maintains transmission facilities.
<input type="checkbox"/>	Transmission Operator	Ensures the real-time operating reliability of the transmission assets within a Transmission Operator Area.
<input type="checkbox"/>	Distribution Provider	Delivers electrical energy to the End-use customer.
<input type="checkbox"/>	Generator Owner	Owens and maintains generation facilities.
<input type="checkbox"/>	Generator Operator	Operates generation unit(s) to provide real and reactive power.
<input type="checkbox"/>	Purchasing-Selling Entity	Purchases or sells energy, capacity, and necessary reliability-related services as required.
<input type="checkbox"/>	Market Operator	Interface point for reliability functions with commercial functions.
<input type="checkbox"/>	Load-Serving Entity	Secures energy and transmission service (and reliability-related services) to serve the End-use Customer.

***Reliability and Market Interface Principles***

<b>Applicable Reliability Principles</b> <i>(Check box for all that apply.)</i>	
X	1. Interconnected bulk power systems shall be planned and operated in a coordinated manner to perform reliably under normal and abnormal conditions as defined in the NERC Standards.
<input type="checkbox"/>	2. The frequency and voltage of interconnected bulk power systems shall be controlled within defined limits through the balancing of real and reactive power supply and demand.
<input type="checkbox"/>	3. Information necessary for the planning and operation of interconnected bulk power systems shall be made available to those entities responsible for planning and operating the systems reliably.
<input type="checkbox"/>	4. Plans for emergency operation and system restoration of interconnected bulk power systems shall be developed, coordinated, maintained and implemented.
<input type="checkbox"/>	5. Facilities for communication, monitoring and control shall be provided, used and maintained for the reliability of interconnected bulk power systems.
<input type="checkbox"/>	6. Personnel responsible for planning and operating interconnected bulk power systems shall be trained, qualified, and have the responsibility and authority to implement actions.
<input type="checkbox"/>	7. The security of the interconnected bulk power systems shall be assessed, monitored and maintained on a wide area basis.
<input type="checkbox"/>	8. Bulk power systems shall be protected from malicious physical or cyber attacks.
<b>Does the proposed Standard(s) comply with all of the following Market Interface Principles?</b> <i>(Select 'yes' or 'no' from the drop-down box.)</i>	
1. A reliability standard shall not give any market participant an unfair competitive advantage. Yes	
2. A reliability standard shall neither mandate nor prohibit any specific market structure. Yes	
3. A reliability standard shall not preclude market solutions to achieving compliance with that standard. Yes	
4. A reliability standard shall not require the public disclosure of commercially sensitive information. All market participants shall have equal opportunity to access commercially non-sensitive information that is required for compliance with reliability standards. Yes	

**Standards Authorization Request Form**

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***Related Standards***

<b>Standard No.</b>	<b>Explanation</b>
TPL-001-0.1	System Performance Under Normal (No Contingency) Conditions (Category A)
TPL-002-0b	System Performance Following Loss of a Single Bulk Electric System Element (Category B)
TPL-003-0a	System Performance Following Loss of Two or More Bulk Electric System Elements (Category C)
TPL-004-0	System Performance Following Extreme Events Resulting in the Loss of Two or More Bulk Electric System Elements (Category D)

***Related Projects***

<b>Project ID and Title</b>	<b>Explanation</b>

***Regional Variances***

<b>Region</b>	<b>Explanation</b>
ERCOT	
FRCC	
MRO	
NPCC	
SERC	
RFC	
SPP	
WECC	