



NORTHEAST POWER COORDINATING COUNCIL, INC.  
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June 13<sup>th</sup>, 2016

**Subject:**

**TFCP Criteria Clarification for NPCC Directory#1 *Design and Operation of the Bulk Power System:***

**TFCO Criteria Clarification for NPCC Directory#5 *Reserve:***

Attached for your review and comment are **two** NPCC Task Force Criteria Clarifications:

**Directory#1 *Design and Operation of the BPS:***

The Task Force on Coordination of Planning (TFCP) has rendered a clarification on the criteria governing the Area Review of Resource Adequacy as outlined in Criteria Requirement R4 and Appendix D of Directory#1.

The TFCP clarification provides guidance on the calculation of available resources and the treatment of capacity backed purchases as part of these calculations.

**Directory#5 *Reserve:***

The Task Force on Coordination of Operation (TFCO) has provided a clarification on the criteria within Directory#5 that addresses the use of certain storage technology as **synchronized reserve**.

The TFCO clarification explains that storage resources with inverter technology may be considered as **synchronized reserve** provided they meet the other criteria governing such resources as outlined in Directory#5 (i.e. sustainability).

**Comment Period:**

In accordance with the NPCC *Directory Development and Revision Manual* comments on each clarification will be received for forty five days through July 28<sup>th</sup>, 2016.

The NPCC Open Process Review for these Task Force Clarifications can be accessed through the following links:

**Directory#1:**

<https://www.npcc.org/Standards/SitePages/NonStandardsList.aspx>

**Directory#5:**

<https://www.npcc.org/Standards/SitePages/NonStandardsList.aspx>

Subsequent to comment review and Task Force approval each Clarification will be presented to the Reliability Coordinating Committee (RCC) for final approval.

Please contact me with any questions regarding Directory content or commenting procedures.

Thank you.

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## NPCC Request for Criteria Clarification

**Note: a Clarification cannot be used to revise the Criteria within a Directory.**

Request for a Clarification of Criteria
Date submitted: May 9, 2016 Date revised version submitted:
<b>Contact information for person requesting the clarification:</b>
Name: Scott Brown
Organization: New Brunswick Power Corp.
Telephone: 506-459-3312
E-mail: scott.brown@nbpower.com
<b>Identify the Directory that contains the Criteria requiring clarification:</b>
Directory Number : 1
Directory Title: Design and Operation of the Bulk Power System
<b>Identify specifically what portion of the Criteria needs clarification:</b>
Text of Requirement: Appendix D, section 3.4.3  3.4.3 Summarize <b>resource</b> requirements to meet the criteria for the time period under consideration. If interconnections to other Planning Coordinators and regions are considered in determining this requirement, indicate the value of the interconnections in terms of megawatts. In the calculation of available <b>resources</b> , supply-side <b>resources</b> from neighboring systems are limited to firm <b>capacity</b> backed purchases.

Clarification request: Does the language contained in Appendix D, section 3.4.3 allow an NPCC Area to use tie benefits to meet its Resource Adequacy Criterion, even when those tie benefits are not associated with firm capacity backed purchases?

**Identify the material impact associated with the lack of clarity:**

Identify the material impact to your organization or others caused by the lack of clarity or an incorrect interpretation of this Directory:

The material impact on all NPCC Areas regarding this interpretation is to know whether or not tie benefits can be used to meet the NPCC Resource Adequacy Criterion, even when those tie benefits are not associated with firm capacity backed purchases. The impact of this interpretation to each NPCC Area will depend upon its reliance on tie benefits, but may cause significant differences in capacity requirements and capacity costs depending on the interpretation.

Task Force Response to Request for Criteria Clarification:  
Criteria Clarification  
Directory 1 for the New Brunswick Power Corporation

The following clarification of the criteria in Directory 1 was developed by the Task Force on Coordination of Planning.

**Question:**

**Does the language of Directory 1, Appendix D, section 3.4.3 allow an NPCC Area to use tie benefits to meet its Resource Adequacy Criterion, even when those tie benefits are not associated with firm capacity backed purchases?**

**TFCP Response to Question (Criteria Clarification):**

Yes.

*When doing resource adequacy assessment, Requirement 4 states:*

*R4 Each Planning Coordinator or Resource Planner shall probabilistically evaluate resource adequacy of its Planning Coordinator Area portion of the bulk power system to demonstrate that the loss of load expectation (LOLE) of disconnecting firm load due to resource deficiencies is, on average, no more than 0.1 days per year.*

*R4.1 Make due allowances for demand uncertainty, scheduled outages and deratings, forced outages and deratings, assistance over interconnections with neighboring Planning Coordinator Areas, transmission transfer capabilities, and capacity and/or load relief from available operating procedures.*

*R4.1 doesn't specify "assistance over interconnections with neighboring Planning Coordinating Areas limited to firm capacity backed purchases."*

*The intent of 3.4.3 is to identify the amount of firmed backed purchases assumed distinct from the amount of any additional tie benefits assumed in the Area reviews to demonstrate meeting the criteria.*