



NORTHEAST POWER COORDINATING COUNCIL, INC.
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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: March 18, 2016	
Revised: May 19th, 2016	
Contact information for person requesting the clarification:	
Name:	James Pigeon
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Identify the Directory that contains the Criteria requiring clarification:	
Directory Number :	Directory #5
Directory Title:	Reserve
Identify specifically what portion of the Criteria needs clarification:	
Section 5.5 Requirement for Synchronized Reserve Available Within Ten Minutes	
Text of Requirement:	
“Requirements for synchronized reserve available within ten minutes for NPCC Balancing Authorities shall be based on demonstrated performance. The requirements shall not be more than 100% or less than 25% of the ten-minute reserve requirement.”	

The NPCC Glossary of Terms defines synchronized reserves as:

“The unused portion of generating capacity which is synchronized to the system and ready to pick up load to claimed capacity and capacity which can be made available by curtailing pumping hydro units.”

The NYISO would like clarification if a storage resource with inverter technology would qualify to provide synchronized reserve.

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:

Storage projects are currently being proposed in New York and the developers are inquiring what services and markets the resource may participate in.

The NYISO is looking to ensure it remains compliant with meeting or exceeding NPCC reliability rule requirements and finds the requirements unclear regarding obtaining synchronous reserves from storage resources.

Task Force Response to Request for Criteria Clarification: Directory #5 for the NYISO

The following clarification of the criteria in Directory#5 Reserve was developed by the Task Force on Coordination of Operation (TFCO).

Question:

The NYISO would like clarification if a storage resource with inverter technology would qualify to provide synchronized reserve.

TFCO Response to Question (Criteria Clarification):

The TFCO recognizes that energy-producing technologies which do not depend on the start of a steam, gas or hydraulic driven turbine which connects to the power system through an electrical inverter are not subject to the failure modes that impact the ability of turbine-driven resources to be reliably utilized when needed.

A storage resource with inverter technology complies with the original intent of the synchronized reserve requirement and therefore shall qualify towards a BA's complement of synchronized reserves.

It should be noted that these resources must meet the sustainability requirements as described in NPCC Directory #5 Reserve Section 5.13 (i.e. be sustainable for at least 1 hour from the time of activation) and all the applicable requirements listed in its Section 5.14 a through g.