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May 13, 2008



Debra Howland
Executive Secretary and Director
New Hampshire Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, New Hampshire 0330

Re: DE 06-061 – Energy Policy Act of 2005
Investigation of the Implementation of Standards of the Energy Policy Act of 2005
Staff's Report of Technical Session

Dear Ms. Howland:

Attached please find Staff's report of the technical session conducted on April 25, 2008 regarding the above referenced docket.

Please let me know if you should have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Suzanne Amidon".

Suzanne Amidon
Staff Attorney

cc: Service list

DE 06-061
Investigation into EPAct Standards
2005 EPAct Interconnection Standards For
10 KVA and Smaller Sources

Report of Technical Session of April 25, 2008

Attendees: National Grid, Granite State Hydropower Association, Pentti Aalto, Public Service Company of New Hampshire, Unitil Energy Service, Inc.

Pursuant to the secretarial letter dated April 3, 2008, Staff met with the parties in technical session on April 25, 2008 to discuss the recommendation of Staff filed on March 7, 2008. Staff recommended that the Commission adopt the approach adopted by the Massachusetts Department of Public Utilities, which required utilities to file tariffs for interconnection of inverter based sources of 10 KVA and smaller because Unitil Energy Systems, Inc. (UES), Northeast Utilities (NU), and National Grid had worked on the development of the tariff and because the tariff adopted the use of IEEE 1547 for interconnection of sources producing 10 KVA and less consistent with the standard in the Energy Policy Act of 2005 (EPAct). The parties at the technical session agreed to adopt the tariff for sources of 10 KVA and less, subject to changes that required by New Hampshire law or regulation. It was noted that the New Hampshire Electric Cooperative (NHEC) was absent from the technical session and that, pursuant to the EPAct, would have to consider adoption of IEEE standard 1547 independent of the Commission's investigation.

Parties and Staff also agreed that the tariff could address inverter based sources over 10 KVA up to 100 KVA, coincident with the net metering requirements of RSA 362-A,II-b. The parties and staff also agreed that engineering reviews are required before an interconnection of this size can be made to address possible effects on the system such as circuit voltage and loading, service and transformer size, and the number of customers on the transformer.

Finally, the parties agreed that induction sources, synchronous sources, and sources of any type over 100 KVA will be interconnected in normal host utility interconnection process, and that qualifying facilities and facilities with existing interconnections would not be affected by the standards adopted in this docket.

The Massachusetts tariff (April 2, 2007) will be the starting point. Copies were distributed by Staff to participants after the technical session.

The parties concurred that having more than one customer connected to a transformer that has an inverter based source connected to it should not create a problem as long as the screening is done consistent with the proposed Massachusetts simplified interconnection process, and each individual inverter is UL 1741.I certified.

To address the transfer of asset problem, the parties and Staff agreed that each utility will code each account that has a source so that it is flagged when the billing name changes. At that point, the utility can properly recertify the interconnection.

The parties further agreed that total sources on a circuit cannot exceed 7.5 percent of the circuit's peak loading with no netting of sources and that this calculation will be based on the size of the inverter. At utility tie points, it will be the responsibility of the utility being served to notify the serving utility when the 7.5 percent point is reached based on the load of the utility being served. Specific analysis will be required once this trip point is reached. Parties and Staff agreed that mobile sources will connect to the utility through certified interconnections.

The utilities agreed to develop a common draft tariff using the Massachusetts tariff as a template for sources up to and including 10 KVA, and to file the tariff with the Commission by June 3, 2008. Consideration will be given to the upcoming 900 Rule changes that must be in place by January 12, 2009. The intent is to remove non-business requirements from the rules and put them into the tariff. Consideration will also be given to expanding this initial document to 100 KVA for inverter based sources.

Staff will petition the Commission to open 900 Rules changes earlier than the 6 month requirement so that informal technical sessions can take place.