

**To:** Participants Committee

**From:** Marc Lyons, Secretary – Reliability Committee

**Date:** January 21, 2010

**Subject:** **ACTIONS OF THE RELIABILITY COMMITTEE**

This memo is to notify the Participants Committee (“PC”) of the actions taken by the Reliability Committee (“RC”) at its January 19, 2010 meeting. All sectors had a quorum.

**(Agenda Item 2.0) Meeting Minutes**

It was moved and seconded to approve the minutes of the following RC meetings:

- November 13, 2009

The motion to approve the minutes passed, based on a show of hands with none opposed and no abstentions.

**(Agenda Item 4.2) Monadnock PTF Cost Allocation – TCA Application NU-09-TCA-02 and NEP-09-TCA-03**

It was moved and seconded to recommend ISO New England Inc. approval of, as PTF investment, the Pool-Supported PTF costs of the Monadnock Region Project associated with Proposed Plan Applications NU-06-T06 through NU-06-T11 as described in the Northeast Utilities Service Companies’ (“NU”) TCA Application NU-09-TCA-02, submitted December 2, 2009, for the construction of one new Fitzwilliam substation with a 600 MVA autotransformer along with installing associated equipment and perform rebuilds to the F162, V182, A152 with 1590 kcmil ACSR conductor and Proposed Plan Applications NEP-06-T03 and NEP-06-T04 as described in the New England Power (“NEP”) TCA Application NEP-09-TCA-03, submitted December 1, 2009, for the refurbished the W-149S and W-149N line, retension the W-149S line between Bellows Falls and Ascutney Tap to 140C, re-conducted the I-135N line with 795 ACSR conductor, replaces two switches on the W-149S and installed one switch on the K-149 lines. Project has a total estimated PTF cost of \$104.6 M. (Actual Costs)

The motion to recommend ISO approval of Pool-Supported PTF costs passed based on a show of hands, with none opposed and eight abstentions (3 Generation Sector, 3 Supplier Sector, 2 End User Sector).

**(Agenda Item 5.0) Vermont Efficiency Portfolio 2 Non-Priced Retirement Request**

It was moved and seconded to recommend to ISO New England Inc. that there is no reliability need for Demand Resource ID# 9106 - Vermont Efficiency Portfolio 2, which has a demand reduction value of 1.316 MW for the Capacity Commitment Period beginning June 1, 2013 and that this resource may be retired effective June 1, 2013.

The motion to recommend to ISO New England Inc. a determination of no adverse effects passed based on a show of hands with none opposed and no abstentions.

**(Agenda Item 6.1) 386 Special Protection System (SPS) - Proposed Plan Application (“PPA”) CMP-09-X02**

It was moved and seconded to recommend to ISO New England Inc. that no significant adverse impacts will result from Central Maine Power Company’s Proposed Plan Application (“PPA”) CMP-09-X02 to perform the following as detailed in Mr. Paul Lerley’s January 20, 2009 transmittal to Mr. Don Gates, Chair NEPOOL Reliability Committee:

**CMP-09-X02** - Proposal to Expand the existing Buxton to Yarmouth Transfer Trip on Section 386 into a Special Protection System, to due to the addition of the 345 kV breakers at South Gorham.

The in-service date of the proposed project is March 2010. It is recommended that the Project would not have a significant adverse effect on the reliability or operating characteristics of the transmission facilities of Central Maine Power Company, the transmission facilities of another Transmission Owner or the system of a Market Participant, is based on the Project analysis, as described in the report, “386 SPS Study Report” (October 2009).

The motion to recommend a determination of no adverse effects passed based on a show of hands with none opposed and no abstentions.

**(Agenda Item 6.2) West Walpole 345 kV Reactor - Proposed Plan Application (“PPA”) NSTAR-10-T01**

It was moved and seconded to recommend to ISO New England Inc. that no significant adverse impacts will result from NSTAR Electric and Gas Corporation’s Proposed Plan Application (“PPA”) NSTAR-10-T01 to perform the following as detailed in Mr. John McLaughlin’s January 6, 2009 transmittal to Mr. Don Gates, Chair NEPOOL Reliability Committee:

**NSTAR-10-T01** - Proposal for install a new 345 kV, 160 MVAR regulating shunt reactor in order to absorb excess reactive power and installation of a 345 kV circuit breaker with synchronous switching controller at the West Walpole Substation located in Walpole, MA.

The in-service date of the proposed project is May 2010. It is recommended that the Project would not have a significant adverse effect on the reliability or operating characteristics of the transmission facilities of NSTAR Electric and Gas Corporation, the transmission facilities of another Transmission Owner or the system of a Market Participant, is based on the Project analysis, as described in the report, “West Walpole 345 kV, 160 MVAR Shunt Reactor Steady State Analysis” (January 6, 2010).

The motion to recommend a determination of no adverse effects passed based on a show of hands with none opposed and no abstentions.

**(Agenda Item 6.3) Merrimack 2 Power System Stabilizer and Generator Uprate - Proposed Plan Application (“PPA”) NU-09-X05 and NU-09-G03**

It was moved and seconded to recommend to ISO New England Inc. that no significant adverse impacts will result from Northeast Utilities Service Companies’ Proposed Plan Application (“PPA”) NU-09-X05 and NU-09-G03 to perform the following as detailed in Mr. Jim DiLuca’s January 4, 2010 transmittal to Mr. Don Gates, Chair NEPOOL Reliability Committee:

**NU-09-X05** – Add and enable a digital Power System Stabilizer (PSS) to the Merrimack # 2 generator located in Bow, New Hampshire.

**NU-09-G03** – Increase the generating capacity on the Merrimack 2 generator (Asset #490) located in Bow, New Hampshire, by 17 MWs from 351.5 MWs to 368.5 MWs. Proposed in service date of the project is June 1, 2010.

The in-service date of NU-09-X05 is January 2010 and the in-service date of NU-09-G03 is June 1, 2010. It is recommended that the Project would not have a significant adverse effect on the reliability or operating characteristics of the transmission facilities of Northeast Utilities Service Company, the transmission facilities of another Transmission Owner or the system of a Market Participant, is based on the Project analysis, as described in the report, “System Impact Study of the Proposed Q291 Merrimack Unit 2 Uprate and PSS Enabling Project in New Hampshire” (December 3, 2009).

The motion to recommend a determination of no adverse effects passed based on a show of hands with none opposed and two abstentions (1 Supplier Sector and 1 End User Sector).

**(Agenda Item 6.3) Yale Sterling Power Plant - Proposed Plan Application (“PPA”) UI-10-G01**

It was moved and seconded to recommend to ISO New England Inc. that no significant adverse impacts will result from United Illuminating Company’s Proposed Plan Application (“PPA”) UI-10-G01 on behalf of Yale University to perform the following as detailed in Mr. Alex Boutsoulis’s January 11, 2010 transmittal to Mr. Don Gates, Chair NEPOOL Reliability Committee:

**UI-10-G01** – Construction of two gas turbine generators, each with a net rating of 7.3 MW Winter and 6.5 MW Summer interconnecting via four 13.8 kV circuits at the UI Water Street 115/13.8 kV Substation located in New Haven, CT.

The in-service date of the proposed project is March 2010. It is recommended that the Project would not have a significant adverse effect on the reliability or operating characteristics of the transmission facilities of United Illuminating Company, the transmission facilities of another Transmission Owner or the system of a Market Participant, is based on the Project analysis, as described in the reports, “Yale Sterling Power Plant Generator Interconnection System Impact Study Steady State Analysis” (December 14, 2009) and “Interconnection System Impact Study Yale Sterling Power Plant Stability Analysis Report” (December 2009).

The motion to recommend a determination of no adverse effects passed based on a show of hands with none opposed and no abstentions.