

ORIGINAL

N.H.P.U.C. Case No. DG 10-041

Exhibit No. 24

Witness. Pam #1

DO NOT REMOVE FROM FILE

EnergyNorth Natural Gas, Inc.

DG 10-041

Integrated Resource Plan

Staff Responses to ENGI Set 1

Date Received: October 15, 2010

Date of Response: December 28, 2010

Request: National Grid 1-5

Witness: George McCluskey

**REQUEST:**

Please explain with as much precision as possible, how the Company would be able to satisfy the seven day storage requirement of Puc 506.03 if it implemented the scenario discussed by Mr. McCluskey on pages 13-14. Please provide all supporting workpapers, calculations and other information relied on.

**RESPONSE:**

ENGI's October 1, 2010 report "Peakshaving Fuel Storage Requirement" calculated the seven-day requirement to be 777,952 MMBtu. The contribution to this requirement from existing firm pipeline supplies was calculated as 753,711.5 MMBtu, leaving 18,240.5 MMBtu to be supplied by supplemental facilities.

The total capacity of the Company's supplemental facilities was calculated to be 120,212 MMBtu or over 100,000 MMBtu more than needed. Using the propane facility capacity values included in the report, Mr. McCluskey calculates that the Company would have over 10,000 MMBtu excess supplemental capacity after retiring the Nashua and Manchester propane facilities and cancelling the truckable propane supply.