



NRG Energy, Inc.
P.O. Box 1001
1866 River Road
Middletown, CT 06457

May 10, 2007

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CONNECTICUT
SITING COUNCIL

Mr. S. Derek Phelps
Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RE: Docket No. F-2007 – Connecticut Siting Council Review of The Ten Year
Forecast of Connecticut Electric Loads and Resources – NRG Energy, Inc.
Pre-Hearing Interrogatories Responses

Dear Mr. Phelps:

Enclosed please find NRG Energy Inc., response to the Pre-Hearing
Interrogatories dated May 9, 2007 in Docket F-2007.

Sincerely,

A handwritten signature in cursive script that reads "Judith E. Lagano". The signature is written in black ink and is positioned above the printed name and title.

Judith Lagano
Director, Asset Management - Northeast

Question 1: Regarding the data from the April 2007 ISO-NE Seasonal Claimed Capability Report – Does NRG Northeast Generating, LLC (NRG) agree with these numbers.

Response:

NRG Energy Inc. ("NRG") agrees with the claimed capability numbers as shown in the April 2007 ISO-NE Seasonal Claimed Capability Report with the exception of Devon 10. The most recent ratings for Devon 10 are as follows:

Winter Seasonal Claimed Capability: 19.208 MW
Summer Seasonal Claimed Capability: 15.980 MW

Question 2: How does NRG compute seasonal claimed capability?

Response:

Seasonal Claimed Capabilities are calculated in accordance with the ISO-New England market rules. Reference NEPOOL Manual -20, Installed Capacity. Each unit is tested for both the Winter & Summer claimed capability for specified periods of time in accordance with Attachment D of Manual M-20. Test documentation is provided to ISO-New England for its review and certification.

Question 3: Are Devon 7 and Devon 8 still considered deactivated reserve? What is the status of their reactivation?

Response:

Yes, Devon 7 and 8 are currently in deactivated status and NRG continues to assess the requirements to return the units to service this year. On April 17, 2007 pursuant to Section I.3.9 of the ISO New England Inc. Transmission, Markets, and Service Tariff, ISO determined that returning the units to service would not have an adverse affect on the transmission facilities.

Question 4: Do any NRG generating facilities in Connecticut have black start capability? If yes, specify which ones.

Response:

The following NRG facilities in Connecticut are black start capable however only Branford 10 and Devon 10 participate in the ISO-NE black start program pursuant to ISO's Open Access Transmission Tariff Schedule 16 – Black Start:

- Middletown 10
- Devon 10
- Montville 10 and 11
- Cos Cob 10, 11, 12
- Franklin Drive 10
- Torrington Terminal 10
- Branford 10

Question 5: Does NRG have any planned upgrades and/or modifications to any of the above power plants?

Response:

Consistent with our *Powering Connecticut with NRG* announcement made in 2006, NRG has planned upgrades or modifications to all our Connecticut facilities. That said however, under the current market conditions in NEPOOL most of these upgrades would be contingent on long-term off-take agreements and NRG has not obtained any such agreements in the recent CT DPUC RFP process. NRG remains committed however, to repowering its Connecticut plants with state of the art, efficient, and lower emission units that can continue to provide Connecticut with reliable service.

NRG has initiated the re-powering of its Cos Cob station via the addition of two new fast-start Pratt & Whitney FT-4 turbines. This re-development, the first since CL&P installed the units in 1969, will add 40 MW where Connecticut urgently needs more peaking capacity, SWCT. With the engineering and construction economies of scale, this effort will afford NRG the opportunity to convert all the units to run on ultra low sulfur (ULS) distillate fuel thus reducing net SO₂ output by 97%. Additionally, the new units will include water injection for NO_x control reducing the NO_x emissions on those new units by 70% and the control systems will be updated for more reliable starting and operations. Finally, the site's appearance

will be greatly improved with new fencing and landscaping for visual screening and a sound barrier will be erected. NRG has initiated this effort in response to changes in the ISO-NE wholesale electric markets that are resulting in favorable economic conditions, specifically the implementation of the Locational Forward Reserve Market.

Question 6: Review the 2006 report titled *Connecticut Siting Council Review of the Forecast of Connecticut Electric Loads and Resources* that may be helpful in the preparation of the 2007 report. For example, are there any new topics that NRG believes should be addressed in the 2007 report that were not covered in the 2006 report?

Response: As it relates to the discussion of growth in peak loads in Connecticut on page 4 of the 2006 report, it would be helpful to understand which areas of the state are experiencing load growth in excess of the state average. For example, are there specific municipalities or geographical areas that surpass the state's overall growth rate?

As it relates to the discussion of supply resources on page 7 of the report, the 2007 report would be enhanced if it included a discussion of the proposed environmental regulations that will effect the emissions requirements of the existing resources within the planning horizon.

As it relates to the discussion of the major transmission expansion projects on page 19 of the 1006 report, NRG would appreciate if the 2007 report would include a detailed update of the on-going transmission system upgrades.

Finally, as emergency generation is taking an increased role in the state's energy supply mix, the 2007 report should include specifics regarding how much emergency generation is relied upon for meeting peak loads and what effect that has on system reliability. In addition whether the reliance on increased emergency generation is consistent with the state's air quality goals.