STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Daniel F. Caruso
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April 18, 2007

Stephen Gibelli, Esq.
Senior Counsel
Northeast Utilities Service Company
107 Selden Street
Berlin, CT 06037

RE: **DOCKET NO. F-2007** – Connecticut Siting Council Review of the Ten-Year Forecast of Connecticut Electric Loads and Resources

Dear Attorney Gibelli:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than May 9, 2007. To help expedite the Council's review, please file individual responses as soon as they are available.

Please forward an original and 20 copies to this office. In accordance with the State Solid Waste Management Plan, the Council is requesting that all filings be submitted on recyclable paper, primarily regular weight white office paper. Please avoid using heavy stock paper, colored paper, and metal or plastic binders and separators. A list of parties and intervenors is enclosed. Fewer copies of bulk material may be provided as appropriate.

Yours very truly,

S. Derek Phelps
Executive Director

SDP/MP

c: Council Members
Parties and Intervenors
Christopher R. Bernard, Senior Regulatory Planning Analyst, NU

Docket F-2007
CL&P Pre-Hearing Interrogatories, Set One

1. On page 4 of the Connecticut Light and Power Company's (CL&P) 2007 Forecast of Electric Loads and Resources (CL&P Forecast), CL&P notes that "Connecticut imports are limited by its transmission system to 2,500 MWs..." Which transmission ties with bordering states make up this total? (Include the voltage and transmission line numbers.) Roughly what percentage of the 2,500 MW would be carried by each tie?

2. On page 8 of the CL&P Forecast, CL&P notes, "It also includes projected reductions resulting from distributed generation (DG) projects in accordance with Public Act 05-01..." Provide any forecast assumptions that CL&P made involving DG associated with Public Act 05-01.

3. On page 9 of the CL&P Forecast, CL&P notes, "The forecasted mean daily temperature for the summer peak day is 83 degrees Fahrenheit and is based on the average peak-day temperatures from 1972-2001." Explain how the forecasted mean daily temperature for a summer peak day is computed, based on the historical data.

4. On page 16 of the CL&P Forecast, CL&P notes, "ISO-NE forecasts that Connecticut will have a capacity deficiency of 1,154 MWs in 2012..." Is this based on the ISO-NE 90/10 forecast?

5. On page 18 of the CL&P Forecast, under Table 3-1, explain why the "Impact of Prior Activity" decreases annually.

6. On page 25 of the CL&P Forecast, does the transmission circuit mileage include the completion of the Bethel to Norwalk Transmission Project?

7. On page 40 of the CL&P Forecast, a substation is being considered for Westport in the future. Is this to meet the needs that are currently being met by the upgrade to the Sasco Creek Substation (Petition No. 760)?

8. Does the completion of the Killingly 2G Substation (Docket No. 302) result in any of the Lake Road Generating Station's capacity being counted as Connecticut generation due to the connection to the 115-kV transmission system?

9. Review the 2006 report titled *Connecticut Siting Council Review of the Forecast of Connecticut Electric Loads and Resources* and provide any comments that may be helpful in the preparation of the 2007 report. For example, are there any new topics that CL&P believes should be addressed in the 2007 report that were not covered in the 2006 report?

10. Compare and discuss the historical 10-year change to the ten-year forecast for both the system requirements and peaks.

11. List the technologies that Connecticut Light & Power has in place to monitor and communicate voltage fluctuations? Identify transmission system conditions and actions to maintain and protect the grid and customers.

12. In Table 2-1 of the CL&P Forecast, approximately what is the probability of the summer extreme weather peak being exceeded in a given year?

13. Describe any new and/or innovative Conservation and Load Management energy savings measures that CL&P has put into use or is considering.