



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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Daniel F. Caruso  
Chairman

August 13, 2008

Anthony M. Fitzgerald, Esq.,  
Robert S. Golden, Esq., and  
Marianne Barbino Dubuque, Esq.  
Carmody & Torrance LLP  
50 Leavenworth Street  
P.O. Box 1110  
Waterbury, CT 06721-1110

RE: **DOCKET NO. 364** - The Connecticut Light and Power Company application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a new bulk-power 115-kV to 23-kV substation located at 325 Waterford Parkway North, Waterford, Connecticut.

Dear Attorneys Fitzgerald, Golden, and Dubuque:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than August 27, 2008. To help expedite the Council's review, please file individual responses as soon as they are available.

Please forward an original and 15 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 dated June 9, 2008 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  
John R. Morissette, Manager – Transmission Siting and Permitting, NU  
Duncan MacKay, Esq., Legal Department, NU  
Girish Behal, Transmission Projects, NU



CONNECTICUT SITING COUNCIL  
Affirmative Action / Equal Opportunity Employer

**Docket No. 364**  
**Pre-Hearing Questions**  
**CL&P**  
**Set One**

1. On Page F-1, Volume I of The Connecticut Light and Power Company's (CL&P) Application for a Certificate of Environmental Compatibility and Public Need (Application) the footnote states that, "Since the relaying associated with the 1605 circuit will be affected by the Project, transmission-related work at Montville Substation in addition to Flanders and Williams Street Substations is required." Specifically, what type of work (including the protective relaying system changes) is required at the Montville, Flanders, and Williams Street Substations? Does CL&P believe that this work requires a separate Council action such as a petition, or is it part of this docket?
2. Does CL&P have any plans to connect the proposed substation to the #1500 transmission circuit also? Explain why or why not.
3. Since the #1605 line would be separated into two circuits: #1605 and #1617, could the substation operate on one of those circuits if the other was out of service?
4. How tall would the two proposed steel transmission poles be? Would the conductors be installed in a vertical or delta configuration?
5. Which structure would be the tallest within the fenced substation area? Provide the height of such structure.
6. Will an emergency generator be needed for backup power in addition to the battery backup system? If yes, provide the location within the substation, specifications of the emergency generator, and fuel type, storage, and containment.
7. Page K-8 of Volume I of the Application states that, "The southeast corner of the substation would encroach approximately 5 feet into Flood Area Zone X." Would any substation equipment be located in this area?
8. Are any hiking trails in the vicinity of the proposed site?
9. How many residences are located within 1,000 feet of the center of the proposed substation?
10. Describe the visibility of the proposed substation from the abutting residences. Indicate if the view is expected to be seasonal or year-round.
11. Approximately how many trees with a diameter at breast height of six inches or greater would have to be removed to construct the substation and access drives?
12. Approximately how much cut and fill would be required to prepare the substation site and access drives?

13. How would the proposed substation affect existing magnetic fields at the residence nearest to the substation?