

April 4, 2007

Mr. Daniel Caruso  
Chairman  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

Re: Docket No. 326 - The Connecticut Light and Power Company application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of a proposed substation located at Stepstone Hill Road, Guilford, Connecticut.

Dear Mr. Caruso:

This letter provides the response to requests for the information listed below.

Response to CSC-02 Interrogatories dated 03/22/2007  
CSC-001, 002, 003, 004, 005, 006, 007

Very truly yours,

Robert Carberry  
Manager  
Transmission Siting and  
Permitting  
NUSCO  
As Agent for CL&P

cc: Service List

**Witness:** CL&P Panel  
**Request from:** Connecticut Siting Council

**Question:**

On page F-3, Volume I of The Connecticut Light and Power Company's (CL&P) Application for a Certificate of Environmental Compatibility and Public Need (Application), it states, "Development of the Substation requires protective relay system changes at two other existing bulk substations (Branford and Green Hill)." Does CL&P seek to include these changes in this docket or would CL&P apply later as a petition? If these changes are included in this docket, respond to the following: a) Describe what is involved to change the protective relay system. b) Provide a drawing of the Branford substation and the Green Hill substation and depict the proposed installations on each respective drawing. c) Would these protective relay system changes result in any increased visual impact or noise? Would these changes increase magnetic fields at the respective substation fence lines?

**Response:**

No action is sought or required by the Council regarding protective relay system changes. The proposed changes to protective relay systems would be accomplished within the confines of the existing control enclosures at the Branford and Green Hill Substations and by a simple retuning of line traps. These changes do not require an expansion of the control enclosure and do not result in any "change to the general physical characteristics of the facility." On that basis, the changes to the protective relay systems at the Branford and Green Hill Substations do not qualify as "modifications" that require a ruling by the CSC.

**The Connecticut Light and Power Company**  
**Docket No. 326**

**Data Request CSC-02**  
**Dated: 03/22/2007**  
**Q-CSC-002**  
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**Witness:** CL&P Panel  
**Request from:** Connecticut Siting Council

**Question:**

Would any fuels or hazardous materials be stored at the proposed substation? If yes, provide the best management practices for managing such materials.

**Response:**

CL&P has no present plans to store fuels or hazardous materials at the proposed substation. However, if regional reliability requirements change and CL&P is required to install an emergency generator at the Stepstone Substation, a propane-fueled unit would probably be installed.

**Witness:** CL&P Panel  
**Request from:** Connecticut Siting Council

**Question:**

Would any blasting be required during the construction of the substation?

**Response:**

Geotechnical borings will be planned during the process of preparing a Development and Management Plan, to determine the extent and method of rock removal, where necessary. Preliminary evaluations suggest that shallow depths to bedrock occur at various locations on the Property. If bedrock is encountered within construction areas, excavation, drilling or pneumatic hammer would be the preferred methods to remove the material. Although not anticipated, if extensive bedrock is encountered during construction, CL&P would consider using controlled blasting only in those situations where other preferred rock excavation methods are not practical. Any provisions for blasting would be conducted in accordance with controlled blasting techniques.

If controlled blasting is necessary, CL&P would adhere to the following procedures:

- A certified blasting specialist would develop site-specific blasting procedures, taking into account geological conditions and nearby structures and assuring compliance with state regulations.
- The controlled blasting plan would be provided to the local Fire Marshal for approval. Blasting charges would be designed to loosen only the material that must be removed and to avoid fracturing other rock.
- CL&P's representative or the blasting contractor, would seek to meet with each property owner in proximity to the controlled blasting to explain where and when the blasting is expected to occur, and why controlled blasting is necessary.
- Pre-blast surveys to document existing conditions would be conducted for any property within a specified distance of the area where controlled blasting would occur. This distance would be determined by CL&P's blasting contractor, in consultation with the Fire Marshal and with CL&P's approval.
- The areas where controlled blasting would occur would be covered with heavy blanketing materials and charges would be sized appropriately.
- Seismographs would measure each blast to confirm that levels are within prescribed limits.

Based on our current understanding of site conditions, moving the footprint of the Substation eastward, as suggested by the Connecticut Department of Public Health, would increase the potential for blasting activities to accommodate for embankment cuts approaching up to 13 feet in depth.

**The Connecticut Light and Power Company**  
**Docket No. 326**

**Data Request CSC-02**  
**Dated: 03/22/2007**  
**Q-CSC-004**  
**Page 1 of 1**

**Witness:** CL&P Panel  
**Request from:** Connecticut Siting Council

**Question:**

Would any equipment, supplies, or materials be stored at the proposed substation?

**Response:**

CL&P has no plans at the present time to store equipment, supplies, or materials at the proposed substation.

**The Connecticut Light and Power Company**  
**Docket No. 326**

**Data Request CSC-02**  
**Dated: 03/22/2007**  
**Q-CSC-005**  
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**Witness:** CL&P Panel  
**Request from:** Connecticut Siting Council

**Question:**

Would there be any impulse noise from switching operations, circuit breakers, or other sources? Describe events that would cause impulse noise. How frequently would such events occur?

**Response:**

Yes, impulse noise will be generated from switching and circuit breaker operation (opening, closing) of the circuit breakers, although these operations are an uncommon occurrence. These impulse noise levels will not exceed the levels permitted at the property line by Connecticut DEP's noise control regulations.

**The Connecticut Light and Power Company**  
**Docket No. 326**

**Data Request CSC-02**  
**Dated: 03/22/2007**  
**Q-CSC-006**  
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**Witness:** CL&P Panel  
**Request from:** Connecticut Siting Council

**Question:**

Why does the proposed access drive fork into two drives when it reaches the proposed substation? Is this to allow a mobile transformer to be driven in and out of the substation in the event one is needed?

**Response:**

The second driveway to the right is primarily for convenience access to the control enclosure and to provide an alternate entrance into the substation while large equipment such as a mobile transformer is being moved in through the main gate.

**The Connecticut Light and Power Company**  
**Docket No. 326**

**Data Request CSC-02**  
**Dated: 03/22/2007**  
**Q-CSC-007**  
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**Witness:** CL&P Panel  
**Request from:** Connecticut Siting Council

**Question:**

Connecticut General Statutes § 16-50o(b) states that “The applicant shall submit into the record the full text of the terms of any agreement, and a statement of any consideration therefor, if not contained in such agreement, entered into by the applicant and any party to the certification proceeding, or any third party, in connection with the construction or operation of the facility. This provision shall not require the public disclosure of proprietary information or trade secrets.” Provide copies of any such agreements, if applicable.

**Response:**

Since there are no other parties to the Application, the disclosure requirement as to agreements with other parties to a certification proceeding does not apply to this docket. CL&P has not entered into agreements with any third party in connection with the construction or operation of the facility. Although CL&P has processed purchase orders for substation equipment, these procurement transactions do not fall within the purview of the referenced statute. In addition, such purchase orders contain proprietary information and would be exempt from disclosure on that basis in any event.