



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401  
New Britain, Connecticut 06051  
Phone: 827-7682

Petition No. 199  
Danbury Triangle Substation  
Staff Report  
January 14, 1988

Connecticut Light and Power Company (CL&P) is requesting a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for construction of a proposed addition of a mobile transformer position within the Triangle Substation in the City of Danbury.

Fred J. Doocy and Colin C. Tait, members of the Siting Council and Thomas E. Fanning, Jr., staff of the Siting Council, met with Northeast Utilities representative Lucien Gehami on the site of the proposed project on December 28, 1987.

The proposed additions consist of a single mobile transformer position with corresponding modifications to the existing bus. CL&P contends that the installation would reduce the time needed to install a mobile transformer and would increase system reliability in the Danbury area.

The project would include the addition of a horizontal steel support, approximately 20 feet above the ground, between the stanchions of an existing steel structure; the installation of a motor operated disconnect switch; the installation of a mobile transformer connection box and related control wiring; and the welding of connection pads onto the 13.8-kV busses to accommodate the mobile transformer's low-side cables. A narrow, approximately 18 inch deep by 75-foot long slit trench would be dug to contain the cable conduit connecting the proposed installation with the relay and control building.

The proposed additions are fully within the external fence of the existing substation. The additions would be surrounded by and blend into the existing, taller structures of the station.

The substation is located in a commercial and light industrially zoned area, bounded on one side by railroad tracks.

CL&P states there would be no television or radio interference from the proposed additions.

No inland wetlands would be affected by these additions.

Construction would begin in April 1988 and be completed in June, 1988.

Thomas E. Fanning, Jr.  
Siting Analyst

TEF/cp

0797E