



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401  
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Petition No. 279  
Staff Report  
December 10, 1991

Re: PETITION NO. 279 - The Connecticut Light and Power Company petition that no Certificate of Environmental Compatibility and Public Need is required for proposed modifications to a 115 kV transmission line from the Branford Substation to the North Haven Substation in North Branford, Connecticut.

On December 10, 1991, Siting Council (Council) Chairman Mortimer A. Gelston, Council member William H. Smith, and staff analyst Stephen M. Howard met John Case and Mike Carlson from the Connecticut Light and Power Company (CL&P) in North Branford, Connecticut, to conduct a field review for the petition.

The proposed modifications of the existing Branford to North Haven transmission line (1655 Circuit) would increase conductor clearances to the ground in two spans along the transmission line. The clearances would be increased by the following methods:

- a. Removing approximately three inches of conductor from each phase in the span between structures 4731 and 4732. Four guys would be installed on each structure in this span. The guys would remain within the right-of-way.
- b. Replacing and raising by approximately thirty inches the spar-arms on two existing double spar-arm structures (4723 and 4724). "Bayonets" would be placed on the tops of the structures in order to maintain proper shield wire clearance.

The proposed modifications in the transmission line are necessary in order maintain proper ground clearance during a double line failure when the 1655 circuit would be forced to handle increased amp loading.

The modifications would take place in February and March of 1992.

CL&P contends that the proposed modifications would not result in substantial adverse effect on the environment or ecology,

nor would it damage existing scenic, historical, or recreational values.

Staff recommends a Council determination that the proposed modifications would not have a substantial adverse environmental effect, and therefore, no Certificate of Environmental Compatibility and Public Need is required.

Stephen M. Howard  
Siting Analyst

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