



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Petition No. 344
The Connecticut Light and Power Company
Canton Substation
Canton, Connecticut
November 15, 1995

On October 31, 1995, Chairman Mortimer A. Gelston and Colin C. Tait of the Connecticut Siting Council (Council) and Robert K. Erling of the Council staff met Aaron L. Goucher and Kris Aberg of the Connecticut Light and Power Company (CL&P) for a field review of this petition in Canton, Connecticut.

CL&P proposes to add one 23 to 27.6 kV, 29-MVA transformer with associated structures and two 23-kV feeder positions with associated circuit breakers, switches and steel structures at this existing substation. One of the proposed feeder positions would supply the 23- to 27.6 kV transformer. The proposed addition is needed by CL&P to improve reliability for CL&P's 27.6 kV system.

The proposed addition would be installed within the existing substation fence and would be no higher than similar existing structures. No inland wetlands would be affected. The nearest home is adjacent to the access road leading to the substation. No other homes were visible from the substation, which adjoins a landfill.

The oil used in the transformer would have a polychlorinated biphenyl (PCB) level of less than 50 parts per million, and would thus be designated as non-PCB by the U.S. Environmental Protection Agency.

CL&P states sound levels from the proposed additional equipment would continue to be well below State limits along the property lines. CL&P proposes to begin construction in November 1995 and complete the project by the end of May 1996.

Under the Public Utility Environmental Standards Act, the Council has jurisdiction over the siting of electric transmission lines of a design capacity of 69 kV or more and electric substations designed to change or regulate the voltage of electricity at 69 kV or more (Conn. Gen. Stat. §§ 16-50i (a) (1) and (4)). Since the proposed additional equipment at this existing substation is below the 69 kV threshold, the Council does not have jurisdiction over the proposed equipment.