



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Corrected copy

Petition No. 227
Windsor Locks Substation
Transmission Support Equipment
December 19, 1988

Northeast Utilities (NU) is requesting a determination from the Council that a Certificate of Environmental Compatibility and Public Need is not required for the addition of transmission line support equipment associated with the construction of an underground 115-kV cable connecting the Dexter Corporation cogeneration facility and the Windsor Locks substation. This underground transmission line was approved by the Council in Docket No. 85.

On December 14, 1988, Daniel P. Lynch, Jr. and Ralph Reuss from the Council, and Thomas E. Fanning, Jr., staff of the Council, met Robert Charpentier, Lucien Gehami, and Charles Ponte of NU on the site of the proposed addition.

The proposed addition would include:

- a. Installation of one 115-kV circuit switcher and associated ground switch;
- b. Installation of one 115-kV solid dielectric cable termination; and
- c. Installation of three surge arresters.

The substation is served by two 115-kV line positions, bulk supply transformers, and various distribution-associated equipment. The additions are needed to connect the substation end of the underground cable to the substation bus.

The substation is located in a partially residential and partially commercially-zoned area. The new additions would be entirely contained within the existing substation fence and would be adjacent in part to taller existing structures on the south, west, and north. The additions would be screened from the east by evergreen trees bordering the substation. The proposed additions would be partially visible to the substation's nearest neighbor on the north. The tallest new structures would be approximately 16 feet high. The new equipment would blend into the general appearance of the station.

Petition No. 227
December 19, 1988

-2-

NU maintains that no sound-level increases would be created, no television or radio interference would occur, no wetlands or waterways would be affected and no equipment's insulating fluid would contain PCB's.

The proposed additions would be placed on concrete pads and no oil sumps would be needed for any of the units.

Although no local zoning or inland wetland permits are required, NU informed the Chief Executive Officer of Windsor Locks of the proposed construction.

Construction would begin in February 1989, and would be completed by the end of July 1989.

Pursuant to Section 16-50k of the Connecticut General Statutes, NU contends that the proposed additions would not have a substantial adverse environmental affect and therefore would not require a Certificate of Environmental Compatibility and Public Need.

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Siting Analyst

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