



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

136 Main Street, Suite 401
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Petition No. 217
North Canaan Substation
Transformer Upgrade
September 13, 1988

Northeast Utilities (NU) is requesting a determination from the Council that a Certificate of Environmental Compatibility is not required for changes to an existing 69-kV substation in North Canaan, Connecticut.

On September 12, 1988, Peter G. Boucher and Colin C. Tait from the Council and Joel Rinebold, staff of the Council, met Luis Gonzalez, and Bob Carberry of NU on the site of the proposed addition.

The proposed construction would include:

- a. Removal of a 13-MVA transformer and replacement with a 25-MVA transformer;
- b. Installation of a circuit switcher;
- c. Installation of power fuses at the mobile transformer position; and
- d. Extension of an approximately a 12- by 12-foot relay and control enclosure to approximately 24 by 12 feet, and installation therein of control and protective relay equipment.

The substation is served by a 69-kV transmission line, and a 13-MVA transformer now steps the voltage down to 13.8 kV to supply three feeder positions. NU has projected that the transformer capacity must be increased to meet the electrical load growth of the Northwest Connecticut area served by the substation. Without the addition the substation would be unable to meet demand by the Winter of 1989-1990.

Construction is proposed to begin in April 1989, and be completed by the end of December 1989.

The new addition would be entirely contained within the existing substation fence and be surrounded in part by existing structures. According to NU, the addition would not affect inland wetland areas, there would be no television or radio interference, and no equipment would contain PCB - contaminated oil.

Petition No. 217
Staff Report
September 13, 1988

-2-

Although no local zoning or inland wetland permits are required, NU has informed the Chief Executive Officer of the Town of North Canaan of the proposal.

NU contends that it has evaluated the environmental effect of the proposed addition, and submits that the addition would not result in a substantial adverse effect on the environment or ecology, nor would it damage existing scenic, historical, or recreational values.

Pursuant to Section 16-50k(a) of the Connecticut General Statutes, NU is requesting a ruling from the Council that the addition would not have a substantial adverse environmental effect and would not require a Certificate of Environmental Compatibility and Public Need.

Joel M. Rinebold
Executive Director

JMR/cp

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