



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

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Petition No. 218
East Windsor Transmission Line
Structure Replacement
October 27, 1988

The Northeast Utilities Service Company (NU) is requesting that no Certificate of Environmental Compatibility is required for changes to the Barbour Hill-Enfield and Enfield-Windsor Locks 115-kV transmission line in East Windsor, Connecticut.

On October 14, 1988, Brian Emerick and Ralph Reuss from the Council and Thomas E. Fanning, Jr., staff of the Council, met Michael Carlson of NU on the site of the project.

The construction included:

- a. Replacing structure 6080, a double circuit 3 wooden pole structure, with two double pole wood H-frame structures;
- b. Adding X-braces and removing one guy wire on structure 6081; and
- c. Modifying the conductor taps, near structure 6203.

The replacement structure is located adjacent to structure 6203 at the point where the two aforementioned transmission lines intersect. The construction was needed to increase the clearance between the transmission line conductors and the road surface of a rebuilt I-91 exit/entrance ramp. A ten-foot deficiency in the required minimum safety standard was discovered in mid-August as the roadway was being paved by the Connecticut Department of Transportation's construction contractor. At the time the plan for this construction was developed, examination of the transmission line profile blueprints seemed to indicate the clearances would be adequate. However, visual examination revealed the conductors were ten feet too low to provide the necessary clearances. Road construction was immediately stopped and the needed construction on the structures performed.

Construction was begun the last week of August and completed on September 9, 1988.

Some low brush surrounding the structure area was cleared. No trees were removed.

The new four pole structure occupies essentially the same space as the three-pole structure, but was moved approximately eleven feet closer to the roadway in order to reduce an angle in the circuit configuration. The new poles are five feet taller than the poles that were removed.

The project area is not within a designated wetland and is located entirely within an existing NU right-of-way.

NU contends that it evaluated the environmental effects of replacing the existing structure, and submits that the construction did not result in substantial adverse effects on the environment or ecology, nor did 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 changes did not have a substantial adverse environmental effect and would not require a certificate of Environmental Compatibility and Public Need.

Thomas E. Fanning, Jr.
Siting Analyst

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