



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

1 CENTRAL PARK PLAZA • NEW BRITAIN, CONN. 06051

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Staff Report
Petition No. 175
Northeast Utilities
Windsor Locks, Connecticut
February 18, 1987

On February 3, 1987, Owen L. Clark, Fred J. Doocy, and Thomas E. Fanning, Jr., of the Siting Council met Lucien Gehami of Northeast Utilities (NU) for a field review at NU's Windsor Locks substation. NU is petitioning the Siting Council for a determination that no Certificate of Environmental Compatibility and Public Need is required for proposed additions to the substation.

NU proposes to add one 115-23-kV, 47 MVA transformer; two 23-kV feeder positions with reclosers; one 23-kV circuit breaker; one 115-kV line extension and bus; a mobile transformer position, and control and protective relay equipment. This equipment is necessary to avert overloads on the 27.6 kV subtransmission system projected to occur in June 1988. It would also allow for future growth of the 23-kV distribution system in the Windsor Locks, Enfield, and Suffield areas.

These additions were planned before the Dexter Company cogeneration project was proposed and are not part of the transmission modifications system the Dexter project will necessitate.

The substation is partially screened on two sides by trees and shrubs. On portions of four sides of the property, NU proposes to add 10 to 12-foot arbor vitae, hemlock, and pine trees and evergreen shrubs. This would further screen the proposed additions from adjacent properties.

The addition of one transformer would not significantly increase the sound level at the property line. The transformer would not cause television or radio interference.

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A power line pole would be added near adjoining private property now partially screened by evergreen trees and shrubs and one hardwood tree. The trees and shrubs are located on the private property. The review team recommends NU exercise care to ensure that these plantings not be unnecessarily disturbed. Mr. Gehami states that this property owner was informed about NU's proposed construction in this area.

Additional improvements would include new fencing enclosing the proposed additions on the north and west sides of the present facility. A sump would be constructed around the new transformer and reclosers and would contain all of the transformer's oil in case of spillage. The oil is "non-PCB," as designated by the Environmental Protection Agency.

No inland wetlands permit would be required by the State of Connecticut Department of Environmental Protection.

Location approval from the Town of Windsor Locks planning agency is pending. The review team recommends that no construction begin until all approvals from the Town of Windsor Locks are granted. Construction would begin in April 1987 and should be completed by late May 1988.

Thomas E. Fanning, Jr.
Siting Analyst

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