



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

1 CENTRAL PARK PLAZA • NEW BRITAIN, CONN. 06051

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Petition No. 174  
Northeast Utilities  
Newtown, Connecticut

On January 21, 1987, Chairperson Gloria Dibble Pond, Colin C. Tait, and Robert K. Erling of the Siting Council met Donald Larson of Northeast Utilities (NU) for a field review at NU's Newtown 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 existing Newtown Substation because such additions would have no substantial adverse environmental effect.

NU proposes to add one 28-MVA, 115-kV to 13.8-kV transformer, one 115-kV circuit breaker; and one 13.8-kV feeder breaker, if required, within the substation. The equipment is necessary to meet the projected 13.8-kV load in the Newtown area.

The substation is screened by surrounding vegetation. A nursery and an animal shelter are located on properties adjacent to the substation. Addition of the 115-kV to 13.8-kV transformer would increase the sound level along the property boundary by less than three dB, according to Mr. Larson.

The oil used in the transformer would have a polychlorinated biphenyl (PCB) concentration of less than 50 parts per million. It would therefore be considered as non-PCB as defined by the U.S. Environmental Protection Agency. A sump would be provided around the transformer to contain oil in the event of a spill.

NU also proposes to remove three 115-kV coupling capacitors. The capacitors are no longer needed, according to Mr. Larson.

No television or radio interference would occur as a result of the proposed additional equipment. The substation is not within a 100-year flood-hazard zone.

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Construction is projected to begin in August 1988, with an expected completion date of late December 1988.

Robert K. Erling  
Siting Analyst

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