



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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Petition No. 266  
Northeast Utilities  
Brookfield, Connecticut  
March 11, 1991

On March 7, 1991, Chairperson Gloria Dibble Pond and Colin Tait of the Siting Council and Robert K. Erling of the Council Staff met Gerald Thompson and Richard Madej of Northeast Utilities (NU) for a field review in Brookfield, Connecticut. NU is seeking a declaratory ruling from the Council that no Certificate of Environmental Compatibility and Public Need would be required for proposed modifications to the existing Stony Hill Substation - Brookfield Junction 115 kV line in Brookfield. NU proposes to replace a three-pole wood structure, structure 4655, at Brookfield Junction with a wood pole H-frame structure, structure 4655A. The highest portion of the new structure would be nine feet higher than the highest portion of the existing structure. However, the structures on the Brookfield Junction - Stony Hill Substation transmission line are overshadowed by the 125-foot steel pole structures on the adjacent Rocky River - Plumtree Substation 345 kV line (See attached sketch, drawn to scale).

NU would also replace .72 miles of existing 4/0 copper conductor on the 115 kV 1770 line with 795 kcmil steel supported aluminum conductor, convert five existing lattice tower structures from suspension to strain configuration on this line; clear brush in some areas to facilitate access; improve existing access roads as necessary; and perform right-of-way rehabilitation as needed. The reconductoring is required to increase the current carrying capability of the existing transmission line and allow for a greater transfer of power into the area.

The proposed work on this line would not cross any portion of the Iroquois gas transmission system pipeline in the Brookfield area. NU proposes to begin work on this project May 1, 1991, and complete the proposed modifications by May 31, 1991.

Robert K. Erling  
Sr. Siting Analyst

RKE/cp