

Daniel F. Caruso
Chairman

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

June 20, 2007

Robert E. Carberry, P.E.
Manager – Transmission Siting and Permitting
Northeast Utilities Service Company
P.O. Box 270
Hartford, CT 06141-0270

RE: **PETITION NO. 814** - Connecticut Light & Power Company petition for a declaratory ruling that no Certificate of Environmental Compatibility and Public Need is required for the proposed modifications to two existing 115-kV transmission lines, located between Carpenter Lane Junction and North Wallingford Substation and associated conductor work near Colony Substation, Wallingford, Connecticut.

Dear Mr. Carberry:

At a public meeting held on June 7, 2007, the Connecticut Siting Council (Council) considered and ruled that this proposal would not have a substantial adverse environmental effect, and pursuant to General Statutes § 16-50k would not require a Certificate of Environmental Compatibility and Public Need.

This decision is under the exclusive jurisdiction of the Council and is not applicable to any other modification or construction. All work is to be implemented as specified in the petition, dated May 17, 2007.

Enclosed for your information is a copy of the staff report on this project.

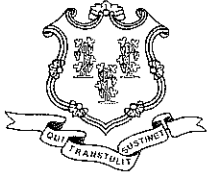
Very truly yours,

Daniel F. Caruso
Chairman

DFC/MP/laf

Enclosure: Staff Report dated June 7, 2007

c: The Honorable William W. Dickinson, Jr., Mayor, Town of Wallingford
Linda Bush, Town Planner, Town of Wallingford



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Petition No. 814

CL&P

North Wallingford Substation to Carpenter Lane Junction

Wallingford

Staff Report

June 7, 2007

On May 17, 2007, the Connecticut Siting Council (Council) received from The Connecticut Light and Power Company a petition (Petition) for a declaratory ruling that no certificate of environmental compatibility and public need is required for the proposed modifications to the existing #1466 transmission line between Carpenter Lane Junction, Wallingford and North Wallingford Substation, Wallingford. This Petition was field reviewed by Council member Ed Wilensky and Michael Perrone of the Council staff on June 5, 2007.

Specifically, CL&P seeks to install two new wood pole line-deadend angle transmission structures (#3622A and #3622B) to replace the existing wood pole H-frame structure #3622. This new arrangement will eliminate the sharing of a single structure (#3622) by the #1588 and #1466 circuits. The new structures would be of equal height (approximately 70 feet tall) to the existing structure to be removed.

This structure change-out will result in a change in the phase positions of the #1588 line in the substation entry span at North Wallingford Substation. This will require a change to the conductor phasing. This change will be done in the first span outside of Colony Substation by changing the attachment positions of the top and middle conductors at structure #3645. This change will have no visual impact.

CL&P also seeks to rebuild an approximately 0.5 mile long segment of the #1466 line from structure #3619 (a new structure being installed during the Docket No. 272 construction) at Carpenter Lane Junction to North Wallingford Substation. The new #1466 conductors would be 1590-kcmil ACSR, with one span of 556-kcmil ACSR into the North Wallingford Substation.

Rebuilding this line segment requires two new wood pole structures to replace the existing wood-pole H-frame structures. Specifically, structure #3620 would be changed from a 2-pole tangent structure to a 3-pole deadend structure. Structure #3621 would be replaced with a similar 2-pole H-frame structure, but would have side post insulators.



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The two structures to be replaced are approximately 56 feet tall. The two new structures would be approximately 61 feet tall.

The surrounding area is industrial and has trees adjacent to the right of way that act as a visual buffer. No homes are in the vicinity of the transmission line where the construction would take place. One commercial building is roughly 150 feet to the north. One day care center is approximately 450 feet to the south. Since the existing structures are being replaced with new structures at most 5 feet taller, the visual impact is not expected to be significant.

On May 1, 2007, CL&P issued a notice to adjacent building owners, including the day care center. CL&P received one call from the day care center inquiring about magnetic fields. CL&P informed the day care center that at a distance of 450 feet, the increase in magnetic fields due to the proposed project would be on the order of 0.1 mG and would be very difficult to distinguish from background levels. CL&P did not receive any further questions or comments on the project from neighbors. CL&P also received a letter dated May 29, 2007 from the Wallingford Department of Public Utilities indicating that they have no objection to the proposed project.

With regard to magnetic fields, the proposed project would result in a decrease in magnetic fields for the #1466 line on the northern edge of the right of way under average and peak line currents. Along the northern edge of the right of way, the #1588 line would have its magnetic fields unchanged under peak and average line currents.

Along the southern edge of the right of way, under peak line current, the #1466 line would have magnetic fields increase from 1.35 mG to 1.84 mG. Under peak line current, at the southern edge of the right of way, the #1588 line magnetic fields would be unchanged.

Along the southern edge of the right of way, under average line current, the #1466 line would have magnetic fields increase from 0.88 mG to 1.20 mG. The magnetic fields associated with the #1588 line would be unchanged on the southern edge of the right of way under average line current.

This project would have no effect on archaeological resources and would not impact any wetlands. A review of the Department of Environmental Protection's Natural Diversity Database found no state or federally-endangered species in the vicinity of the project.

This project is needed by CL&P due to changes in the electric system resulting from the installation of the Middletown to Norwalk Project (M-N Project). CL&P would likely begin construction in July 2007 and would complete construction by fall of 2007. This modification is needed prior to the M-N Project going into service.