

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

August 12, 2011

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

RE: **DOCKET NO. 370** - The Connecticut Light and Power Company Certificate of Environmental Compatibility and Public Need for the Connecticut Valley Electric Transmission Reliability Projects which consist of (1) The Connecticut portion of the Greater Springfield Reliability Project that traverses the municipalities of Bloomfield, East Granby and Suffield, Connecticut; and (2) the Manchester Substation to Meekville Junction Circuit Separation Project in Manchester, Connecticut. Proposed Post-Construction Electric and Magnetic Field Monitoring Plan.

Dear Mr. Carberry:

At a public meeting of the Connecticut Siting Council (Council) held on August 11, 2011, the Council considered and approved the Post-Construction Electric and Magnetic Field Monitoring Plan for the Greater Springfield Reliability Project and the Manchester to Meekville Junction Project.

This approval applies only to the Post-Construction Electric and Magnetic Plan submitted on July 21, 2011. Any changes to the D&M Plan require advance Council notification and approval.

Please be advised that deviations from this plan are enforceable under the provisions of the Connecticut General Statutes § 16-50u. Enclosed is a copy of the staff report on this D&M Plan, dated August 11, 2011.

Thank you for your attention and cooperation.

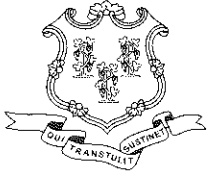
Very truly yours,

Robert Stein *RS*
Chairman

RS/CMW/laf

Enclosure: Staff Report, dated August 11, 2011

c: Parties and Intervenors



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Docket Nos. 370A & 370A_MR
The Connecticut Light and Power Company
Greater Springfield Reliability Project and the Manchester to Meekville Junction Project
Development and Management Plan
Post-Construction Electric and Magnetic Field Monitoring Plan
August 11, 2011

On July 25, 2011, The Connecticut Light and Power Company (CL&P) submitted an electric and magnetic field (EMF) post-construction monitoring plan for the Greater Springfield Reliability Project (GSRP) and the Manchester to Meekville Junction Project (MMP) to the Connecticut Siting Council (Council) for review and approval. This filing is consistent with the condition 3(i) of the Council's March 16, 2010 Decision and Order (D&O) for the GSRP and condition 2(i) of the Council's July 20, 2011 D&O for the MMP.

EMF measurements taken near transmission lines are compared with EMF levels predicted by calculations. CL&P will also use EMF measurements to address field values at specific points of interest. Measurement locations were chosen where terrain is relatively flat and bare of vegetation, conductor configurations and heights are typical, and few confounding sources are in proximity. Grid and power-flow circumstances can significantly differ at different times.

Measurements will be taken twice at each of the proposed measurement locations within ten months of commencement of operation of the constructed transmission line.

CL&P identified seven measurement locations that are representative of each overhead line type that is part of the project in each town where that type occurs. Measurements will be made within CL&P's right-of-way (ROW) or within public road rights-of-way. Measurements will not be taken on private property that is outside of CL&P's ROW unless permission is granted by the landowner.

EMF measurements at North Bloomfield Substation will be taken in one continuous path along the perimeter fence.

Measurements will be taken at a height of one meter above ground. Magnetic field instrumentation allows measurements to be recorded continuously while walking and plotted. Instrumentation used for electric fields allows measurements to be taken at spot locations and then recorded by hand in a data table.

CL&P will submit a report to the Council within 12 months of the in-service date of the 345-kV line providing the recorded measurements and "true-up" comparisons to previously predicted values. The "true-up" comparisons will correct calculations for site-specific conditions (such as conductor height, current flows on the lines and terrain) at the time the measurements are made.

The CL&P report will include an aerial photograph (1 inch equals 100 feet) identifying measurement locations. Magnetic field measurement data points will include coincident transmission line currents and the size of the line conductor types.



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NOTICE OF SERVICE

I hereby affirm that a photocopy of this document was sent to each Party and Intervenor on the service list dated July 19, 2011 with method of service to each party and intervenor listed via either e-mail or hard-copy on August 12, 2011.

Dated: August 12, 2011

A handwritten signature in black ink, appearing to read "Lisa Fontaine", written over a horizontal line.

Lisa Fontaine
Custodian of Docket No. 370