



**Connecticut
Light & Power**

The Northeast Utilities System

107 Selden Street,
Berlin CT 06037

Northeast Utilities Service
Company
P.O. Box 270
Hartford, CT 06141-0270
(860) 665-5000

May 2, 2006

Pamela B. Katz, Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Docket 272: Proposed Revisions to CL&P's Development and Management Plan for Segment 4a (Singer Substation to Fairfield/Westport Town Line)

Dear Chairman Katz:

On February 22, 2006, the Connecticut Siting Council ("Council") considered and conditionally approved the Development and Management Plan ("D&M Plan") filed by The Connecticut Light and Power Company for construction of a 345-kV XLPE transmission cable system in Segment 4a in Bridgeport and Fairfield. Following approval of the Segment 4a D&M Plan, CL&P discovered a technical issue related to allowable impedance values associated with the 345-kV XLPE cable. This issue required changes to the design of the bonding system for the cable system, which in turn required adjustments to some vault locations and to the precise alignment of the cable system within the approved route in Segment 4a. These changes do not change the route; rather, they merely impact the precise alignment of the cables and certain splice vaults along the approved route. One such adjustment to splice vault locations has resulted in saving the four large oak trees in front of 1700 Post Road in Fairfield from being removed. The Town of Fairfield had expressed concern about the removal of these oak trees, and the Siting Council had ordered CL&P and the Town of Fairfield to enter into a memorandum of understanding regarding this issue. (See Siting Council notice dated February 24, 2006, page 2.)

In addition, in the immediate vicinity of Singer Substation, CL&P proposes a minor adjustment to simplify and shorten the route by routing the cable over two lots (at 282 Broad Street and 211 Main Street) between Broad and Main Streets to utilize a more direct route to Singer Substation, thereby eliminating the installation of any cable on University Avenue and shortening the route by approximately 850 feet. Neither of these lots has residences. One of the lots is vacant; the only structure on the other lot is a garage. CL&P has been engaged in discussions with each of the affected property owners.



middletown | norwalk

CL&P has revised its D&M Plan for Segment 4a to reflect the changes described above. Enclosed are an original and fifteen copies of: (i) replacement pages for pages 2-1 and 2-4 of Volume I of the Segment 4a D&M Plan; (ii) a revised Volume III of the D&M Plan (Traffic Inventory Report); and (iii) per previous instructions, five copies of revised Volume II of the D&M Plan (Plan & Profiles). We are also enclosing an electronic CD-ROM which contains the two corrected sheets of Volume 1 (pages 2-1 and 2-4), and Volumes 2 and 3 in their entirety. CL&P submits these revisions to the Segment 4a D&M Plan for approval pursuant to the Change Approval Procedure set forth in Appendix C of CL&P's Segment 4a D&M Plan (which is identical to the procedure set forth in each of CL&P's D&M Plans filed in this docket). CL&P deems this change "significant" as that term is used in the D&M Change Approval procedure, and therefore is submitting the change to the Council for prior approval.

To aid the Council's review of the revised plan, the changes are outlined below:

Volume I:

- The text in section 2.3 (Land Ownership) was updated to reflect changes in some vault locations (all vault locations are depicted in the Volume II drawings).
- Table 2-1 in section 2.3 contains a list of properties for which easements will have to be acquired. This table was updated to reflect the alignment revisions shown in the Plan and Profile Drawings in Volume II. These revisions have changed the impacted properties.
- All other sections of Volume I are unchanged.

Volume II (Plan and Profile Drawings):

- The alignment of the duct bank system, as well as certain vault locations, have been revised and delineated on the drawings. The previously-approved alignment is shaded grey and the revised proposed alignment is in bold (black).
- In addition, there has been a minor route adjustment along Broad Street, as described above and shown on pages 109 through 112 of the Volume II drawings.

Volume III (Traffic Inventory Report):

- The Traffic Inventory Report has been updated to reflect the revisions required as a result of the change in the design in the bonding system of the cable.

The changes to the vault locations throughout the proposed transmission line route are reflected in changes to the following sections of the Traffic Inventory Report:

Bridgeport:

- Section V, Specific Recommendations, Parts A through E
- Allowable Work Hours Map, Figures B.5, B.6 & B.7
- Appendix IV, Signalized Intersections Aerial Photographs
- Appendix VI, Vault Locations Aerial Photographs

Fairfield:

- Section V, Specific Recommendations, Parts A through J
- Allowable Work Hours Map, Figures F.5, F.6 & F.7
- Appendix X, Signalized Intersections Aerial Photographs
- Appendix XII, Vault Locations Aerial Photographs

The changes to the proposed transmission line route around the new Singer substation are reflected in changes to the following sections of the Traffic Inventory Report:

Bridgeport

- Route, Figure B.2
 - Section II Corridor Inventory and Description, Part C
 - Traffic Signal Locations and ADT's, Figure B.4
 - Appendix II, Route Inventory, Route Inventory spreadsheet & Land Uses and Roadway Widths, Figure B.10
 - Appendix IV, Signalized Intersections Aerial Photograph BI-19;
 - Appendix VI, Vault Locations Aerial Photographs BV-11
- The Traffic Inventory Report has also been revised to address concerns raised by the City of Bridgeport in connection with nighttime work on State Route 130. (See page 31, item 1 under "Route 130," and page 34, item 8)

Multiple copies of the revised Segment 4a D&M Plan are being sent to municipal officials of Bridgeport and Fairfield.

Sincerely,



Anne Bartosewicz
Middletown-Norwalk Project Director

Enclosures

- cc: Michael Nidoh – Director of Planning, City of Bridgeport (5 copies and CD ROM)
William Hurley – Engineering, Town of Fairfield (5 copies and CD ROM)
Sohrab Afrazi – Bureau of Engineering and Highway Operations, Connecticut
Department of Transportation (22 copies and CD ROM)
Docket 272 Service List (w/o enclosures)