middletown | norwalk

February 16, 2005

Pamela B. Katz
Chairman
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06501

Re: Docket 272, Application of The Connecticut Light and Power Company and The United Illuminating Company ("Companies"):

Dear Chairman Katz,

So that the record will reflect the changes in the technical description of the Project components due to the substitution of XLPE for HPFF underground cable in the Companies' revised proposal, the Companies submit herewith a revision of Table I-3 in Volume 1 of the Application: "Technical Description of the Project Components," together with references to portions of the record that describe and show the installation requirements for the XLPE cable.

Very truly yours,

Anne Bartosewicz
Project Director
The Connecticut Light and Power Company

John J. Prete
Project Director
The United Illuminating Company

cc: Service List

Connecticut Light & Power
The Northeast Utilities System

The United Illuminating Company

Revised Table I-3 in Volume 1 of the Application

The following revision of Table I-3 in Volume 1 of the Application (Companies Exhibit 1) reflects the changes in the Project components due to the substitution of cross linked polyethylene (XPLE) underground cable for high pressure fluid filled (HPFF) underground cable in Segments 3 and 4. The installation requirements for the XLPE cable will be the same as described in the Application for the XLPE cable included in Alternative B (Volume 1, Section 1.2.5.4) and illustrated in a "Typical Cross Section" (Volume 10, Drawing XS-001, Figure 10).

Table I-3 - Revised February 16, 2005
Technical Description of Project Components

Terminal Point 1 - Expand Scovill Rock 22P 345-kV Switching Station Install 345-kV breakers***,*** and ***associated equipment***
Segment 1 (Scovill Rock Switching Station to Beseck Switching Station)
• Build an OH 345-kV line (2-1590 kcmil ACSR) from Scovill Rock Switching Station to Chestnut Jct and connect it to the 348 Line (western section)
• Build an OH 345-kV line (2-1590 kcmil ACSR) from Beseck Switching Station to Oxbow Jct and connect it to the 348 Line (eastern section)
• De-energize the 348 Line between Chestnut Jct and Oxbow Jct
• Split the existing 362 Line at Black Pond Jct and loop it through Beseck Switching Station
• Rebuild the 1975 Line (1-1590 kcmil ACSR) between Oxbow Jct and East Meriden Substation
• Rebuild the 1466 Line (1-1590 kcmil ACSR) between East Meriden Substation and Beseck Switching Station
Terminal Point 2 - Build Beseck 345-kV Switching Station at Carpenter Lane Junction Install 345-kV breakers***,*** and ***associated equipment***
Segment 2 (Beseck Switching Station to East Devon Substation)
• Build an OH 345-kV line (2-1590 kcmil ACSR) from Beseck Switching Station to East Devon Substation
• Rebuild the 1655 Line (1-1590 kcmil ACSR) between East Wallingford Jct and ***North*** Haven Jct.
• Rebuild the 1630 Line (1-1590 kcmil ACSR) between ***North*** Haven Jct and Pent Road Jct (does not include the taps to WALREC and to Wallingford)
• Rebuild the 1640 Line (UG 3000 kcmil XLPE) for approximately 2100' easterly and approximately 2800' southerly from Cook Hill Jct
• Reconductor the 1208 Line for approximately 2,100' easterly from Cook Hill Junction
• Rebuild the 1640, 1610 and 1685 Lines (1-1590 kcmil ACSR) between Cook Hill Jct and Devon 7R Substation (does not include the tap to June Street Substation and Mix Avenue Substation)
• De-energize and remove from service the 1690 Line from Cook Hill Jct to Devon 7R
Terminal Point 3 - Build East Devon 115/345-kV Substation near East Devon Junction in Milford (East Devon) Install 345-kV breakers, one 345/115-kV auto transformer and ***associated*** equipment

Changes are identified in bold italic type

Table I-3 – Revised February 16, 2005
Technical Description of Project Components (continued)

Segment 3 (East Devon Substation to Singer Substation)
• Build an UG 345-kV line (2-***3000*** kcmil ***XLPE***) from East Devon Substation to Singer Substation
• Re-terminate the Milford Power generator lead to the new 115-kV substation near Devon 7R (East Devon Junction) by re-using the existing generator lead from Devon 7R
• Build an OH 115-kV line (4-954 kcmil ACSR) from Devon 7R to the new 115-kV substation near Devon 7R (East Devon Junction)
• Reconductor existing 1780 and 1790 115-kV lines (***1***-1590 kcmil ACSR between Devon Substation ***(7R)*** and Devon ***Tie*** Switching Station ***(16P)***)
• Install 1% series reactors on each of the 115-kV lines between Devon 7R and the new 115-kV substation near Devon 7R (East Devon Junction)
• Open the bus tie (1480) at Devon 7R
• Disconnect Milford Power from Devon 7R and re-connect to the new 115-kV substation near Devon 7R (East Devon Junction)
Terminal Point 4 - Build Singer Substation (GIS) Install ***500-kV class*** breakers, two 345/115-kV auto transformers, four variable ***50-100 MVAR*** 345-kV shunt reactors, and ***associated*** equipment
Segment 4 (Singer Substation to Norwalk Substation)
• Build an UG 345-kV line (2-***3000*** kcmil ***XLPE***) from Singer Substation to Norwalk Substation
• Modify existing Bridgeport Energy connection to Pequonnock 8J by adding a disconnect, a series reactor and a bypass switch
• Re-connect Bridgeport Energy to the new 345-kV Singer Substation
• Build 115-kV connection from Pequonnock (modified) to Singer Substation
Terminal Point 5 - Modify Norwalk Substation Expand Norwalk 9S 115/345-kV Substation Install ***500-kV class*** breakers, two variable ***50-100 MVAR*** 345-kV shunt reactors, and ***associated*** equipment