



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

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October 21, 2011

Michael A. Coretto  
Director of Regulatory Strategy & Retail Access  
United Illuminating Company  
157 Church Street  
P.O. Box 1564  
New Haven, CT 06506-0901

RE: **LIFE-CYCLE 2011** – Connecticut Siting Council Investigation into the Electric Transmission Line Life-Cycle Costs

Dear Mr. Coretto:

The Connecticut Siting Council (Council) requests your responses to the enclosed questions no later than November 4, 2011. To help expedite the Council's review, please file individual responses as soon as they are available.

Please forward an original and 15 copies to this office and a PDF version to be filed electronically. In accordance with the State Solid Waste Management Plan, the Council is requesting that all filings be submitted on recyclable paper, primarily regular weight white office paper. Please avoid using heavy stock paper, colored paper, and metal or plastic binders and separators. Fewer copies of bulk material may be provided as appropriate.

Yours very truly,

Linda Roberts  
Executive Director

LR/MP

C: Council Members  
Parties and Interveners

**LIFE-CYCLE 2011**  
**UI Pre-Hearing Interrogatories, Set Two**

1. Does The United Illuminating Company (UI) believe its transmission line capital and construction costs are still similar to other northeastern utilities?
2. Are there any additional factors not discussed in the 2006 Council interrogatory responses that have impacted UI's capital and construction costs for transmission lines? If so, please identify these factors and the impacts they have on transmission line life-cycle costs.
3. Do UI believe that its transmission line operating and maintenance (O&M) costs are still similar to other northeastern utilities?
4. Are there any additional factors not discussed in the 2006 Council interrogatory responses that have impacted UI's transmission line operating and maintenance (O&M) costs? If so, please identify these factors and the impacts they have on transmission line life-cycle costs.
5. This question refers to the first set of 2011 Council interrogatories. In UI's response to question 5, a table was provided that shows widely varying O&M costs for overhead and underground transmission lines. From 2006-2010, overhead O&M costs go from \$5,493 to \$12,425/mile (a 126% increase). Also, from 2008 to 2009, the overhead O&M costs double. Explain these increases. Also, from 2006-2007, underground O&M costs go from \$1,725 to \$3,452/mile. Explain this increase.
6. Are there any updates or changes to the factors provided in the 2006 Council interrogatories that have an impact on UI's overhead transmission line capital costs? If so, please identify these factors and the impacts they have on transmission line life-cycle costs.
7. Are there any updates or changes to the factors provided in the 2006 Council interrogatories that have an impact on UI's underground transmission line capital costs? If so, please identify these factors and the impacts they have on transmission line life-cycle costs.
8. Since the 2006 Council interrogatories, have there been any updates or changes regarding UI's overall philosophy related to siting and construction of new transmission lines? If so, please identify these changes and the impacts they have on transmission line life-cycle costs.
9. Are there any updates to the coordination of transmission and distribution planning activities within UI or in conjunction with the ISO New England Regional System Planning process? If so, please discuss the changes and the impacts they have on transmission line life-cycle costs.
10. Since the 2006 interrogatories have there been any significant changes in the costs of right-of-way for underground or overhead transmission lines? If so, please discuss the nature and extent of these changes.

11. Have the vegetation management practices of UI changed in any way since the 2006 Council interrogatories? If so, please describe these changes and their effect on transmission line life-cycle costs.
12. Has UI's use of herbicides or growth retardants changed in any way since the 2006 Council interrogatories? If so, please describe these changes and their effect on transmission line life-cycle costs.
13. Have there been any additional regulations, policy changes or other factors that may impact the environmental or safety costs associated with UI's use of herbicides or growth retardants? If so, please identify the regulations or policy changes and discuss the effects they have had on life-cycle costs.
14. Please provide updated costs per mile for UI's vegetation management activities for transmission line rights-of-way.
15. Please provide any updated information on the differences in capital and construction costs for standard conductors (ACSR) vs. composite conductors (ACCR or ACCC)?
16. Please provide any information UI may have regarding the magnetic field profiles for a typical underground HPFF cable installation such as test reports or other measurements of electro-magnetic fields at various distances from the center of the right-of-way?

**LIFE-CYCLE 2011  
SERVICE LIST**

Status	Status Holder (name, address, & phone number)	Representative (name, address, & phone number)
<p align="center"><b>PARTY</b> (granted on 9/8/11)</p>	<p>The Connecticut Light and Power Company (CL&amp;P)</p> <p><input checked="" type="checkbox"/> E-mail</p> <p><input checked="" type="checkbox"/> U.S. mail</p> <p><input checked="" type="checkbox"/> U.S. mail</p>	<p>John R. Morissette Manager-Transmission Siting and Permitting Northeast Utilities Service Company P.O. Box 270 Hartford, CT 06141-0270 (860) 665-2036 <a href="mailto:morisjr@nu.com">morisjr@nu.com</a></p> <p>Jeffery D. Cochran, Esq. Senior Counsel Northeast Utilities Service Company P.O. Box 270 Hartford, CT 06141-0270 (860) 665-5513 (860) 665-5504 fax <a href="mailto:cochrjd@nu.com">cochrjd@nu.com</a></p> <p>Anthony M. Fitzgerald, Esq. Carmody &amp; Torrance LLP 195 Church Street P.O. Box 1950 New Haven, CT 06509-1950 (203) 777-5501 (203) 784-3199 fax <a href="mailto:afitzgerald@carmodylaw.com">afitzgerald@carmodylaw.com</a></p>
<p align="center"><b>PARTY</b> (granted on 9/8/11)</p>	<p>United Illuminating Company (UI)</p> <p><input checked="" type="checkbox"/> U.S. mail</p> <p><input checked="" type="checkbox"/> E-mail</p>	<p>Michael A. Coretto Director-Regulatory Strategy &amp; Retail Access United Illuminating Company 157 Church Street New Haven, CT 06506-0901 (203) 499-2969 (203) 499-3625 fax <a href="mailto:uiregulatory@uinet.com">uiregulatory@uinet.com</a></p> <p>Bruce L. McDermott Managing Counsel – Operations General Counsel and Corporate Secretary UIL Holdings Corporation P.O. Box 1564 New Haven, CT 06506-0901 203-499-2575 <a href="mailto:Bruce.mcdermott@uinet.com">Bruce.mcdermott@uinet.com</a></p>

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<b>Status</b>	<b>Status Holder (name, address, &amp; phone number)</b>	<b>Representative (name, address, &amp; phone number)</b>
<p style="text-align: center;"><b>Party</b> (granted on 10/6/11)</p>	<p>The Office of Consumer Counsel</p> <p><input checked="" type="checkbox"/> E-mail and U.S. mail</p>	<p>Margaret Bain Associate Rate Specialist Office of Consumer Counsel Ten Franklin Square New Britain, CT 06051 (860) 827-2900 (860) 827-2929 fax <a href="mailto:Margaret.bain@ct.gov">Margaret.bain@ct.gov</a> <a href="mailto:OCC.Efile@ct.gov">OCC.Efile@ct.gov</a></p>
	<p>Connecticut Municipal Electric Energy Cooperative (CMEEC)</p>	<p>Drew Rankin, Executive Director Connecticut Municipal Electric Energy Cooperative 30 Stott Avenue Norwich, CT 06360-1526 (860) 889-4088 (860) 889-8158 – fax <a href="mailto:drankin@cmeec.org">drankin@cmeec.org</a></p> <p>Julie Cammarata, Director Government and Regulatory Affairs CT Municipal Electric Energy Cooperative 30 Stott Avenue Norwich, CT 06360 (860) 889-4088 (860) 889-8158 – fax <a href="mailto:jcammarata@cmeec.org">jcammarata@cmeec.org</a></p>
	<p>Public Utilities Regulatory Authority (PURA)</p>	<p><b>INTERDEPARTMENTAL</b> Cindy A. Jacobs Dept. of Energy and Environmental Protection Energy &amp; Technology Policy Bureau 10 Franklin Square New Britain, CT 06051 <a href="mailto:Cindy.jacobs@po.state.ct.us">Cindy.jacobs@po.state.ct.us</a></p>

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	ISO New England Inc. One Sullivan Road Holyoke, Massachusetts 01040	Anthony M. Macleod, Esq. Whitman Breed Abbott & Morgan LLC 500 West Putnam Avenue Greenwich, CT 06830-6451 (203) 869-3800 (203) 869-1951 - fax <a href="mailto:amacleod@wbamct.com">amacleod@wbamct.com</a>  Matthew Goldberg, Esq. Senior Regulatory Counsel ISO New England Inc. One Sullivan Road Holyoke, MA 01040 <a href="mailto:mgoldberg@iso-ne.com">mgoldberg@iso-ne.com</a>  Eric Johnson External Affairs ISO New England Inc. One Sullivan Road Holyoke, MA 01040 <a href="mailto:ejohnson@iso-ne.com">ejohnson@iso-ne.com</a>

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	George Jepson Attorney General for the State of Connecticut	Asst. Atty. General Michael Wertheimer Ten Franklin Square New Britain, CT 06051 (860) 827-2620 (860) 827-2893 – fax <a href="mailto:Michael.wertheimer@po.state.ct.us">Michael.wertheimer@po.state.ct.us</a>