



**Northeast  
Utilities**

107 Selden Street, Berlin, CT 06037

Northeast Utilities Service Company  
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Jeffery D. Cochran  
Senior Counsel

December 4, 2012

Robert Stein, Chairman  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051

**RE: DOCKET NO. 431 – South Norwalk Electric and Water application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance, and operation of an electric substation and its connection to an existing 115 kV transmission line, located at 180 Martin Luther King, Jr. Drive, Norwalk, Connecticut – Prefiled Testimonies on Behalf of CL&P**

Dear Chairman Stein:

Attached are an original and fifteen (15) copies of the Prefiled Testimonies of Mr. Bowin Lindgren and Mr. Christopher Soderman submitted on behalf of The Connecticut Light and Power Company in this Docket.

Please contact me if you have any questions about this filing.

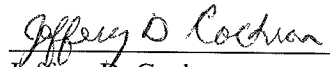
Sincerely,

Jeffery D. Cochran

cc: Service List

**CERTIFICATION**

I hereby certify that on this 4th day of December, 2012, one (1) copy of each of the attached documents was sent via electronic mail to all persons on the attached October 18, 2012 Service List for this proceeding.

  
Jeffery D. Cochran

<b>Applicant</b>	E-mail	South Norwalk Electric and Water	Andrew W. Lord, Esq. Murtha Cullina LLP CityPlace I, 29th Floor 185 Asylum Street Hartford, CT 06103 (860) 240-6180 <a href="mailto:alord@murthalaw.com">alord@murthalaw.com</a> John Hiscock, P.E. General Manager South Norwalk Electric and Water One State Street Norwalk, CT 06854 203-866-4446 <a href="mailto:jhiscock@snew.org">jhiscock@snew.org</a>
<b>Party</b>	E- Mail	The Connecticut Light and Power Company	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> Christopher C. Swan Director Municipal Relations and Siting Northeast Utilities Service Company 9 Tindall Avenue Norwalk, CT 06851 203-845-3421 <a href="mailto:swance@nu.com">swance@nu.com</a> Jeffery D. Cochran Senior Counsel Northeast Utilities Service Company P.O. Box 270 Hartford, CT 06141-0270 860-665-3548 <a href="mailto:cochrjd@nu.com">cochrjd@nu.com</a>

**CONNECTICUT SITING COUNCIL**

**DOCKET NO. 431 – South Norwalk** : **DOCKET 431**  
**Electric and Water application for a** :  
**Certificate of Environmental** :  
**Compatibility and Public Need for** :  
**the construction, maintenance,** :  
**and operation of an electric** :  
**substation and its connection to an** :  
**existing 115 kV transmission line,** :  
**located at 180 Martin Luther King,** :  
**Jr. Drive, Norwalk, Connecticut** : **DECEMBER 4, 2012**

**PREFILED TESTIMONY OF BOWIN M. LINDGREN ON BEHALF OF  
THE CONNECTICUT LIGHT AND POWER COMPANY**

**Q: Please state your name, position and business address.**

A: Bowin M. Lindgren  
Contract Project Manager for  
Northeast Utilities Services Company  
107 Selden St.  
Berlin, CT 06037

**Q: Please describe your current work responsibilities and briefly describe your work experience and educational background.**

A: As a contract project manager, I am currently responsible to plan, schedule and manage various projects for Northeast Utilities Services Company. My resume (attached below) provides additional information concerning my work experience and education.

**Q: Please provide a list of the proposed components of the interconnection and substation facilities that The Connecticut Light and Power Company (CL&P) would install for the new substation proposed by South Norwalk Electric and Water (SNEW).**

A: In order to provide transmission service to SNEW's new substation, CL&P would install three new monopole transmission line support structures along with associated 115-kilovolt (kV) conductor, fiber optic communication shield wire, insulators and hardware to interconnect CL&P's existing 115-kV circuit (1890 Line) with the substation. The existing circuit would be separated into two new circuits. The three new monopole structures would be approximately 90 feet tall; one structure would be installed within the Connecticut Department of Transportation/Metro-North railroad right-of-way and the other structures would be located along the border of the railroad right-of-way and SNEW's property. In addition, CL&P would construct two new steel A-frame terminal structures within the substation to support the conductor and fiber optic communication cable that would enter the new substation. Each of these terminal structures would have a total height (including top-mounted lightning mast) of approximately 60 to 70 feet. CL&P would also install the bus work, switchgear, a 115-kV circuit breaker and other associated equipment, including protection and control equipment. The protection and control equipment would include communications, control, monitoring and protection systems, transmission SCADA system components, power panels, and a DC power system, all of which would be contained within an enclosure having dimensions of approximately 49 feet by 14 feet.

**Q: Does this conclude your testimony?**

A: Yes.

# BOWIN M. LINDGREN

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## EXPERIENCE

- 2006 – present**                      **BML Enterprises**                      **Wilmington, NC**  
*President and CEO*
- Management Consultant specializing in organizational development, process improvement, strategic planning and project management. Clients include Northeast Utilities (under sub-contract), George Mason University, and the BPG Group.
- Prepared client for four consecutive NERC Audits with excellent audit results. Managed multiple multimillion dollar projects.
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- 2004 – present**                      **Chateau Rollat Winery**                      **Walla Walla, Washington**  
*Owner and Winemaker*
- Launched a new ultra premium winery in Walla Walla, Washington, one of the premier wine-making regions of the country. Developed the business plan, designed the project, arranged financing, purchased equipment and managed production for five vintages to date.
- 
- 2004 – 2004**                      **aaiPharma**                      **Wilmington, NC**
- An international pharmaceutical and drug development company with operations in the US, Canada, Germany, France, The Netherlands, and China
- Senior Vice President – Human Resources and Strategic Planning*
- Led strategic planning for the company. Provided leadership and direction to the Human Resources Department worldwide. Led process improvement. Led Merger and Acquisition integration team.
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- 2002 – 2004**                      *Vice President – Human Resources*
- Staffed a new Pharmaceutical Products division with over 100 people within a year. Appointed integration team leader for a major merger. Created a succession planning process. Launched the Leadership Academy. Established Master Degree programs in Chemistry and Business Administration taught on-site to select high potential candidates. Instituted a new performance management system. Voluntary turnover declined from 12% to 7.7%.

**2001 – 2002**

***Senior Director – Human Resources***

Recruited a leadership team for a new Pharmaceutical Products division. Led an integration team for the acquisition of a company. Implemented the QuEST program, a proprietary career development tool for line organizations. Successfully designed and presented to employees of an acquired company compensation and benefit programs integrated with those of the parent company. Streamlined human resources processes to enhance customer satisfaction. Voluntary turnover declined from 16% to 12%

**1999 – 2001**

***Director – Human Resources***

Established human resources fundamentals throughout the corporation. Led the integration of companies that had been acquired previously but had not been integrated. Designed and administered the first employee satisfaction survey in the history of the company. Began annual executive compensation reviews to assure that the leadership of the company had competitive compensation and equity packages. Made major improvements to the 401K plan and other benefits. Put in place HR processes and controls to assure fair and equitable administration of policy. Created a Total Rewards program for employee recognition. Voluntary turnover which was at 24% when I began declined to 16%

**Carolina Power & Light                      Southport and Pinehurst, NC**

**1996 - 1999**

***Section Manager - Support Services***

Provided leadership and direction to the financial, budgeting, document management, information technology, materials management, purchasing and plant personnel groups. Implemented improved financial reporting systems. Established an electronic document management system. Implemented a new materials management system. Installed new software and completed the Y2K readiness project. Achieved lowest cost operations in the history of the business unit. Attained a total cost reduction of \$50,000,000 over three years. Achieved budget under runs for three consecutive years, helping the company meet its earnings targets. Reduced capital expenditures by \$20,000,000 over three years.

**1995 - 1996**

***District Manager***

Responsible for customer service, line and service, public affairs, and meter reading operations for ten counties in North and South Carolina. Executed numerous changes in the customer service area assuring high levels of customer satisfaction, sales, and employee morale. Maintained an excellent customer satisfaction rating. Transitioned from company meter readers to contract personnel, realizing major savings. Initiated frequent site visits with industrial customers, greatly improving customer relations. Decreased cost of operations while maintaining high customer satisfaction.

1994 - 1995

*Director - Human Resources*

Provided human resources services for a 1,200 employee facility. Oversaw all phases of management consulting, recruiting, equal employment opportunity/affirmative action (EEO/AA), succession planning, outplacement, benefits, organizational design, industrial safety, performance management, and incentive programs. Rolled out a "choice" benefits program. Redesigned the performance management program. Implemented a site succession plan. Provided outplacement services to people impacted by downsizing. Increased industrial safety awareness on site, resulting in a reduction in accidents. Improved employee satisfaction within the HR group.

**Consolidated Edison**

**Buchanan, NY**

1989 - 1994

*General Manager, Administrative Services*

Managed human resources, finance, document management, and training at a single unit nuclear power plant. Improved financial performance each year for four consecutive years. Achieved accreditation of all training programs and upgraded training facilities. Implemented a choice benefits program and managed attrition. Instituted cost tracking and cost analysis moving the station from last to first in the nation in financial performance.

**ADDITIONAL  
EXPERIENCE**

*Manager, Emergency Planning, Environ'tal Monitoring & Public Affairs, 1984-89  
Manager, Nuclear Information, 1981 - 1984.*

New York Power Authority, New York, NY: *Public Information Officer, 1976 - 1981.*

Fort Covington Sun, Fort Covington, New York: *Editor, 1975 - 1976.*

Massena Observer, Massena, NY: *Acting Managing Editor/Reporter, 1974-75.*

**EDUCATION**

Pace University, Westchester, New York

– M.B.A., Finance

State University of New York, Potsdam, New York

– B.A.

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<b>Certificate of Environmental</b>	<b>:</b>	
<b>Compatibility and Public Need for</b>	<b>:</b>	
<b>the construction, maintenance,</b>	<b>:</b>	
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<b>substation and its connection to an</b>	<b>:</b>	
<b>existing 115 kV transmission line,</b>	<b>:</b>	
<b>located at 180 Martin Luther King,</b>	<b>:</b>	
<b>Jr. Drive, Norwalk, Connecticut</b>	<b>:</b>	<b>DECEMBER 4, 2012</b>

**PREFILED TESTIMONY OF CHRISTOPHER P. SODERMAN ON BEHALF OF  
THE CONNECTICUT LIGHT AND POWER COMPANY**

**Q: Please state your name, title and business address.**

A: Christopher P. Soderman  
Senior Engineer – Transmission Line & Civil Engineering  
Northeast Utilities Service Company  
107 Selden St.  
Berlin, CT 06037

**Q: Please describe your current work responsibilities and briefly describe your work experience and educational background.**

A: My current responsibilities include providing engineering support to The Connecticut Light and Power Company (CL&P) for the design, maintenance and operation of Transmission Lines. I serve as the Team Lead for Transmission Line Engineering. I have a Bachelor of Science Degree in Mechanical Engineering from Rensselaer Polytechnic Institute and a Master of Science Degree in Electrical Engineering from Worcester Polytechnic Institute. I am a licensed professional engineer in the State of Connecticut. My resume (attached below) provides additional information concerning my work experience and education.



**Q: Please describe your role in support of CL&P's facilities proposed to connect with and to be installed within the South Norwalk Electric Work's proposed substation.**

A: My role is to ensure that CL&P's facilities are designed and built in accordance with applicable CL&P standards and best practices for such facilities.

**Q: Does this conclude your testimony?**

A: Yes.

# **Christopher Paul Soderman, P.E.**

## **Education:**

**Rensselaer Polytechnic Institute (Troy, NY)**  
**Bachelor of Science Degree in Mechanical Engineering**

**Worcester Polytechnic Institute (Worcester, MA)**  
**Master of Science in Electrical Engineering**

**University of Hartford (West Hartford, CT)**  
**Master of Business Administration/Master of Engineering (Civil Engineering) (Curriculum in Progress, 41% Complete)**

## **Relevant Work Experience:**

**2/2003-Present**      **Northeast Utilities Service Co (NUSCO)**  
**Senior Engineer – Transmission Line & Civil Engineering:** Engineering and support for design of new transmission lines and operation and maintenance of existing transmission lines.

## **Current Engineering Assignments:**

- Team Lead – Transmission Line Engineering
- Overhead Conductor Technology Subject Matter Expert
- Overhead Transmission Line Thermal Ratings Subject Matter Expert
- PLS-CADD Subject Matter Expert
- Wind Induced Conductor Motion Subject Matter Expert
- Electric and Magnetic Fields Subject Matter Expert
- Grounding and Lightning design for Transmission Lines Subject Matter Expert
- Electromagnetic Compatibility/Interference Subject Matter Expert
- Natural Wood Pole Structure Subject Matter Expert

**Current Project Assignments:**

- New England East – West Solution (NEEWS (345-kV)) (2004-Present – T-Line Engineer, CT and MA)
- 1990 Line Rebuild (115 kV) SWCT (2010-Present – Project Engineer)
- Stamford Reliability Cable Project (2012-Prsent – T-Line Engineer)
- Third Taxing District S/S Transmission Interconnection (2012-Present – Project Engineer)

**Completed Projects:**

- Middletown-Norwalk 345-kV Transmission Line Project (2003-2008 – Transmission Line Engineer (T-Line Engineer), CT)
- Barbour Hill 345-kV Substation Project (2005-2008 – T-Line Engineer, CT)
- 1466 Line Rebuild between Carpenter Lane Junction and North Wallingford S/S (2/2007-8/2007 – Project Engineer, T-Line Engineer)
- Mansfield 69-kV Terminal Uprate (5/2006-9/2006 – Proj Engineer, T-Line Engineer, CT)
- Glenbrook 115-kV Cables Project Siting (2004-05 – Transmission Line Engineering Support, CT)
- University of Connecticut Interconnection 69-kV (2005 – Project Engineer, CT)
- Cleveland Brook Reservoir Shield Wire Project – Vibration Failure (2004-05 – Project Engineer, T-Line Engineer, MA)

**2/2002-2/2003      Tech-Aid Corporation for NUSCO**

**Project Coordinating Engineer (Contract):** Coordinated engineering efforts of consultants and internal engineering staff for the Middletown-Norwalk 345-kV transmission Line. Performed route analyses and prepared reports for submittal to the Connecticut Siting Council. Field contact for customer questions regarding project.

**5/2001-2/2002      Tech-Aid Corporation for NUSCO**

**Mechanical Engineer (Contract):** Performed energy balance analysis, heat transfer and HVAC System studies. Worked routinely with architects, engineers, state and local building officials to educate and demonstrate building practices and designs that improve overall building performance. Performed tests to check for compliance with the 1995 CABO Model Energy Code and US Department of Energy Star™ Homes program. Improved analysis software used in energy analysis. Revamped inspection procedures. Other Projects included design work and mock up development for upper management design of the SmartLiving Center with a multimedia presentation.

**Professional Registration:**

Licensed Professional Engineer in the State of Connecticut (Lic. # PEN.24928)