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## Appendices

An Appendix containing Confidential Critical Energy Infrastructure Information will be filed separately with the Siting Council. CL&P will seek a protective order restricting access to such information. It is anticipated that the Siting Council will provide a mechanism in the protective order for making the information available to interested parties and intervenors; and that copies of the information will be made available to interested parties and intervenors upon execution of a Non-Disclosure Agreement. The CEII Appendix will contain:

- A. Supplement to Section F – Project Need: (This supplement provides detailed results of power-flow studies identifying specific weaknesses and vulnerabilities in the Bulk Power Supply system.)
- B. Supplement to Section G –System Alternatives: Complete Chapter Six of Report of ICF Resources LLP: Assessment of Non-Transmission Alternatives to the NEEWS Transmission Projects: Greater Springfield Reliability Project, September 2008 (A copy of this report, with redactions to Chapter Six, is included in Vol. 5 of the Application. The full chapter reproduced in the CEII Appendix provides detailed results of power-flow studies identifying specific weaknesses and vulnerabilities in the Bulk Power Supply system.)

## VOLUME 2: ENVIRONMENTAL-WETLANDS

- EX. 1: “Inventory and Delineation of Wetlands and Watercourses Along the Connecticut Portion of the Greater Springfield Reliability Project” by ENSR

## VOLUME 3: ENVIRONMENTAL-CULTURAL RESOURCES

- EX. 1: Historical and Archaeological Assessment of Connecticut Sections of the Connecticut Light & Power Company Greater Springfield Reliability Project
- EX. 2: Historical and Archaeological Assessment Addendum for Connecticut Sections of the Connecticut Light & Power Company Greater Springfield Reliability Project: Manchester Substation to Meekville Junction Circuit Separation

## VOLUME 4: ENVIRONMENTAL

- EX. 1: “Inventory of Potential Breeding Bird Species and Habitats Along the Connecticut Portions of Greater Springfield Reliability Project” by ENSR
- EX. 2: “Inventory of Vernal Pools and Amphibian Breeding Habitats Along the Connecticut Portion of the Greater Springfield Reliability Project” by ENSR
- EX. 3: “Environmental Sound Assessment Study – North Bloomfield Substation” by Burns & McDonnell Engineering Company, Inc.
- EX. 4: Federal, State, and Municipal Agencies Correspondence
  - 1) SHPO Letter to Jeff Borne, NU dated February 8, 2006. Re: Review of CT Archaeological Report.
  - 2) US Fish and Wildlife Services letter to Don Biondi, NU dated May 14, 2008. Re: Request for Data T&E species in Manchester.

- 3) US Fish and Wildlife Services letter to Don Biondi, NU dated Nov 8, 2007. Re: Request for Data on T & E Species.
- 4) CT DEP Bureau of Natural Resources letter to Don Biondi, NU dated March 17, 2008. Re: Natural Diversity Data Base Maps for CT Portion /Plants.
- 5) CT DEP letter to Don Biondi, NU dated March 10, 2008. Re: DEP Natural Diversity Database.
- 6) Town of Bloomfield Inland Wetlands and Watercourses Commission, NU dated August 28, 2008. Re: CL&P Location Review North Bloomfield Substation Expansion.
- 7) Town of Bloomfield Plan and Zoning Commission to Jeff Towle, NU dated September 2, 2008. Re: Proposed North Bloomfield Substation Expansion.
- 8) CT DEP National Diversity Database, NU dated September 15, 2008. Re: Update on the CL&P Greater Springfield Reliability Project Rare Species Surveys.

## **VOLUME 5: PLANNING**

- EX. 1: ISO-NE Southern New England Transmission Reliability, “Report 1 – Need Analysis”, January 2008, (Redacted)
- EX. 2: ISO-NE New England East-West Solutions (Formerly Southern New England Transmission Reliability), “Report 2 – Options Analysis”, (Redacted) June 2008
- EX. 3: Assessment of Non-Transmission Alternatives to the NEEWS Transmission Projects: Greater Springfield Reliability Project, September 2008 (redacted to secure Critical Energy Infrastructure Information)
- EX. 4: Northeast Utilities “Solution Report for the Springfield Area The Greater Springfield Reliability Project Including The Springfield 115-kV Upgrades”. “GSRP Solution Report” as of April 23, 2008 (Redacted July 2008).

## **VOLUME 6: ENGINEERING**

- EX. 1: “Tutorial - Underground Electric Power Transmission Cable Systems” by Cable Consulting International

## **VOLUME 7: SUBSTATION DRAWINGS**

- EX. 1: Proposed North Bloomfield Substation Modifications  
Aerial View (Drawing #09082008NB)  
General Arrangement (Drawing # 09091708NB)  
Conceptual Layout (Drawing # CP-2a)

## **VOLUME 8: PHOTOGRAPHS**

- EX. 1: Photographs Along the Greater Springfield Reliability Project
- EX. 2: Photographs Along the Manchester to Meekville Junction Circuit Separation Project

## **VOLUME 9: ROUTE MAPS**

- EX. 1: Overview of Route on USGS Map
- EX. 2: Aerial Photographs – 400 Scale

## **VOLUME 10: ROUTE ILLUSTRATION**

- EX. 1: Typical Cross Sections and Photo Simulations
- EX.2: Plan & Profile Drawings

## **VOLUME 11: ROUTE PLANS**

- EX. 1: Aerial Photographs – 100 Scale