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June 22, 2012

Mr. Robert Stein
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Docket No. CSC 424 - Interstate Reliability Project

Dear Mr. Stein:

This letter provides the response to requests for the information listed below.

Response to CIVIE-03 Interrogatories dated 06/15/2012
CIVIE-001, 002 *

Very truly yours,

Robert Carberry
Manager
Siting and Permitting
NUSCO
As Agent for CL&P

cc: Service List

* This response is proprietary and confidential and is available only to signatories of the nondisclosure agreement.

The Connecticut Light and Power Company
Docket No. CSC 424

Data Request CIVIE-03
Dated: 06/15/2012
Q-CIVIE-001
Page 1 of 1

Witness: CL&P Panel
Request from: Victor Civie

Question:

EMF cancellation techniques. Provide a EMF chart (ie mg vs distance) throughout the ROW and beyond of a two 345kv H-frame configuration as proposed in focus area B where EMF cancellations techniques have been used to minimize the EMF fields at one edge of a ROW.

Response:

Please see Figure 7-5 in CL&P's Application for a graph of the 2020 post-NEEWS magnetic fields, throughout the ROW and beyond, for the average annual load condition with the two 345-kV H-frame line configuration in Focus Area B. This same graph can also be found on Figure 6 in Appendix 7B of the Application (see dashed black curve) where the curves are drawn for all of the line configurations that were considered in CL&P's Field Management Design Plan.

Witness: CL&P Panel
Request from: Victor Civie

Question:

In reference to the violations in the report entitled New England East-West Solution (NEEWS): Interstate Reliability Project Component Updated Solution Study Report

- a. Question 4.1 in the second set of interrogatories was not addressed. What generation projects at any stage whether or not they received PPA or any other approval were not included in the study. Please include all transmission sources including Real Time Emergency Generation and transmission projects that have not been fully developed.
- b. Question 4.1.d clarified from the second set of interrogatories. In reference to the violations, at the time of the violation. What were the specific conditions of the violations. More specifically, the power values and directions from the study just prior to and after the violations. In addition list the power values and directions prior to and after the violations in lines 395, 3419, 1465, 1870S. Also include the powers values and direction of the Connecticut portion of the new 345kv Greater Springfield Reliability Project Line

Response:

a. CL&P objects to this question, which is overly burdensome, not likely to lead to useful information, and in fact, impossible to answer. In response to Data Request CIVIE-02, Q-CIVIE-004, CL&P referred to sections of the report entitled *New England East-West Solution (NEEWS) Interstate Reliability Project Component Updated Needs Assessment*, April 11, 2011 (Report) that identify the existing and proposed generators that were included in the reliability analyses described in the Report. That is the relevant information for assessing the power flows described in the Report. There is no point in trying to identify all of the proposed or once contemplated generators in the world that were not included in those analyses. If a party or intervenor wishes to know if a particular generator or proposed generator was included, they can make that determination by referring to the sections of the Report referenced in CL&P's answer to the original question (provided that they have qualified for CEII access.) Similarly, there is no point in attempting to identify each Real Time Emergency Generator (RTEG) that is not included in the analyses when the Report makes clear that no RTEGs are included. CL&P could never answer this question completely, even if the effort to do so were warranted, and even if the question were restricted to some relevant geographic area, such as New England. As a Transmission Owner, CL&P would not know of all projects that some developer may have in mind or may once have had in mind.

b. As part of the Manchester to Meekville Junction Project, the existing three-terminal line connecting the Barbour Hill, Manchester and North Bloomfield substations, designated 395, is being modified to two 345-kV lines. The resulting lines, 3642 from North Bloomfield to Manchester and 3557 from Barbour Hill to Manchester, were modeled in the Needs Analysis, and those power flows along with the other requested power flows are presented on page 2 of 2. Page 2 contains Critical Energy Infrastructure Information and is therefore being provided only to signatories of a nondisclosure agreement.

** Page 2 of 2 contains Critical Energy Infrastructure Information and is available only to signatories of a nondisclosure agreement.