

July 14, 2004

Ms. Pamela B. Katz
Chairman
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: Docket No. 272 - Middletown-Norwalk 345kV Transmission Line

Dear Ms. Katz:

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

Response to CSC-03 Interrogatories dated 06/07/2004
CSC - 062 *

Very truly yours,

Anne B. Bartosewicz
Project Director - Transmission Business

ABB/tms
cc: Service List

* Due to the nature of this material, the Companies request permission to file one set of CD's with the Siting Council. Copies of the CD's will be provided to parties and intervenors upon request.

Witness: Allen W. Scarfone
Request from: Connecticut Siting Council

Question:

Please provide: i) the written reports or internal memos on the steady state load flow analysis, and ii) the electronic files of each load flow base case used by the Applicant, and/or the Applicant's contractors or consultants, with respect to the Phase II alternatives including the following:

- a. Alternative proposed in the Application for a "Certificate of Environmental Compatibility and Public Need for a 345-kV Electric Transmission Line Facility and Associated Facilities between Scovill Rock Switching Station in Middletown and Norwalk Substation in Norwalk" ("Application");
- b. Alternative modeling of the Phase II project as an underground cable over the whole length from Middletown to Norwalk;
- c. All other alternatives developed over the course of the 345kV Phase II certification process.

Please provide the above required load flow base cases in electronic format used with the PSS/E load flow program:

- a. Load flow base cases without the proposed Phase II (raw and sav format), including the Phase I project;
- b. Load flow base cases with the proposed Phase II Alternative as described in the Application (raw and sav format);
- c. Load flow base cases modeling the Phase II project as an underground cable over the whole length from Middletown to Norwalk;
- d. Load flow base cases with alternatives other than the Phase II alternative proposed in the Application (raw and sav format);
- e. All electronic contingency files (PSS/E con.format) used in the Applicant's transmission planning studies, and applied in studying of alternatives for Phase II by Applicant, and or the Applicant's contractors or consultants;
- f. All electronic monitoring files (PSS/E mon.format) used in the Applicant's transmission planning studies, and applied in studying of alternatives for Phase II by Applicant, and or the Applicant's contractors or consultants;
- g. All electronic subsystem files (PSS/E sub.format) used in the Applicant's transmission planning studies, and applied in studying of alternatives for Phase II by Applicant, and or the Applicant's contractors or consultants;
- h. All draw files (PSS/E drw.format) used in the Applicant's transmission planning studies, and applied in drawing of the one-line diagrams that shows the Applicant's transmission system.

Please provide the contact name and phone number of the engineer who will be providing the above requested files, for eventual questions that KEMA may have regarding the above requested files.

Response:

The only "internal memos" concerning these load flows are preliminary e-mails between the Companies and their consultant concerning studies to be performed, which are numerous and which would be burdensome to locate, but which would provide no substantive information beyond that contained in the studies and cases themselves. Accordingly, the Companies respectfully suggest that this material would not be relevant and material to the issues

in this case.

- a) Within the Application, there are two proposed alternatives. No reports have been created addressing Alternative A. Cases and files associated with Alternative A are located on the attached CDs, on CD 12 of 12, "Files for Alternative A & Beseck to East Devon Underground". Alternative B has been documented in the Southwestern Connecticut Electric Reliability Study - Final Power-Flow, Voltage and Short-Circuit Report, dated December 2002. The Council took administrative notice of this report in Docket No. 217. This report is on file at the Council. The electronic files for Alternative B are located on the attached CDs, on CD 9 of 12, "Files for Alternative B".
- b) A study with all underground construction between Beseck Switching Station and East Devon Substation has not been completed. Cases and files associated with all underground construction between Beseck Switching Station and East Devon are located on the attached CDs, on CD 12 of 12, "Files for Alternative A & Beseck to East Devon Underground".
- c) All East Shore options have been documented in the studies performed by PowerGEM, and in the "Comparison of Middletown to Norwalk Project vs. East Shore Alternative" report created by ISO-NE. The PowerGEM studies were submitted in the Addendum 1 to the Supplemental Filing; Addendum 2 to the Supplemental Filing Attachments 1, 2, 3; Addendum 3 to the Supplemental Filing Attachments 2 and 3; and Response to data request D-W-01 Q-D-W-016-SP01 and SP02. The ISO-NE comparison report was submitted in Addendum 3 to the Supplemental Filing, Attachment 1.

With respect to load flow base cases:

- a) The cases and files associated with Phase 1 are on the attached CDs, on CD 10 of 12, "Files for Phase 1".
- b) The cases and files associated with Phase 2 as described in the application are on the attached CDs, on CD 11 of 12, "Files for Phase 2".
- c) Studies have not been published for an all underground proposal from Middletown to Norwalk. Cases and files associated with all underground construction between Beseck Switching Station and East Devon are located on the attached CDs, on CD 12 of 12, "Files for Alternative A & Beseck to East Devon Underground".
- d through g) All of the electronic files which have been used in the PowerGEM analysis of East Shore are included on the attached CDs, CDs 1 through 8 of 12.
- h) The draw files which were used for each model are included on each CD.

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