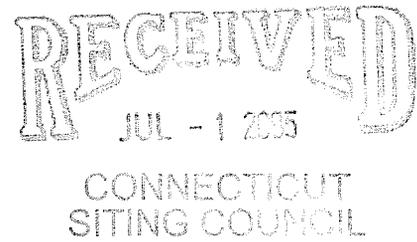


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July 1, 2005

Mr. S. Derek Phelps
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051



Re: Docket No. F-2005 – Connecticut Siting Council Review of the Ten-Year Forecast of Connecticut Electric Loads and Resources

Dear Mr. Phelps:

The United Illuminating Company hereby submits an original and twenty (20) copies of its responses to The Connecticut Energy Advisory Board's (CEAB) Pre-Hearing Interrogatories 2, 4, 5, 8, 9, 10, 13, 15, 18, and 19. Copies have been sent to all persons on the service list for this proceeding.

Respectfully submitted,

THE UNITED ILLUMINATING COMPANY

by Michael A. Coretto (dc)
Michael A. Coretto.
Director – Regulatory Strategy &
Retail Access

Response to Pre-Hearing Interrogatory Question 2 – Set One

Q-CEAB-2: (a)(i) Is the load forecast presented by UI in its March 11, 2005 filing to the Siting Council established simply by (1) applying growth projections to a base, historical, weather normalized, system load value, then (2) adjusting the resulting annual peak loads for the estimated capacity contributions from DSM programs and foreseeable changes in capacity requirements of large customers? Please explain. (ii) Is the methodology by which the “extreme weather” forecast presented in Exhibit 2 largely the same? Please explain.

(b) Please explain how the growth projections identified in Exhibit 1 were established.

(c) Please explain how the growth projections identified in Exhibit 2 were established.

(d) Please explain how the load factors identified in Exhibit 1 were established.

(e) Please explain how the load factors identified in Exhibit 2 were established.

(f) Please describe the source of the “known consumption changes in the future for our large actively-managed commercial and industrial customers and incremental sales efforts.” That is, by whom and how are the capacity “changes” developed?

A-CEAB-2: (a) (i) The methodology for developing the load forecast of sales presented in the March 11, 2005 Report to the Connecticut Siting Council is developed by applying growth projections to a weather-normal base and then accounting for the impacts of continued Conservation and Load Management activities, known consumption changes for UI’s large customers, impacts of certain sales activities, and leap year effects. The peak load associated with the normal weather sales forecast is calculated by using a 10-year historical average system load factor.

(a) (ii) The “extreme” weather sales forecast incorporates the same CLM, large customer impacts and leap year impacts as in the normal weather forecast, as discussed above. However, the base sales from which this forecast is derived are developed by reviewing the past ten years of history and choosing the year in which weather had the greatest impact on sales. That year is 2002, where the actual sales were 1.7% higher than the weather-corrected sales.

Response to Pre-Hearing Interrogatory Question 2 – Set One

The peak load associated with the “extreme” weather sales forecast is calculated by using the actual system load factor from 2002.

(b) The growth projections for sales and peak load in Exhibit 1 were calculated by employing the methodology discussed in (a)(i) above throughout the forecast period.

(c) The growth projections for sales and peak load in Exhibit 1 were calculated by employing the methodology discussed in (a)(ii) above throughout the forecast period.

(d) The load factor identified in Exhibit 1 for the forecast period is the 10-year historical average system load factor, calculated using the peak load and system requirements values shown in Exhibit 1.

(e) The load factor identified in Exhibit 2 for the forecast period is the 2002 load factor, calculated using the peak load and system requirements values shown in Exhibit 2. As discussed above, 2002 was chosen as the proxy year for “extreme” weather.

(f) The known consumption changes for UI’s large customers is developed by UI’s Strategic Account Managers, who manage UI’s largest commercial and industrial accounts.

Response to Pre-Hearing Interrogatory Question 4 – Set One

Q-CEAB-4: (a) Please provide the historical peak loads and monthly electric energy (on a “net electrical energy output” basis) for the past five years for each town in UI’s service area. In responding to this information request, please provide the historical load data based on both actual metered loads and on a weather-normalized basis.

A-CEAB-4: (a) The Company does not have the historical peak loads and monthly electric energy by town on a weather-normalized basis. The information based on actual metered loads is not routinely available and would require substantial effort to produce.

(b) See (a) above.

Response to Pre-Hearing Interrogatory Question 5 – Set One

Q–CEAB-5: (a) Please provide a copy of the study of loads in Southwest Connecticut areas that was developed to support the transmission facility application to the Siting Council in Docket No. 272.

(b) Please also provide an explanation of any information the Company possesses or has access to that could influence the study if it were performed today.

A–CEAB-5: (a) The study of loads in Southwest Connecticut that was used to support the transmission facility application to the Siting Council in Docket No. 272 is contained in Volume 1, Section F.3, of the application to the Siting Council, dated October 9, 2003.

(b) Please see ISO New England's 2005 CELT Report.

Response to Pre-Hearing Interrogatory Question 8 – Set One

Q–CEAB-8: Please confirm that the contributions from conservation and load management programs that the Company included in its F-2005 filing load forecast are the same as those that are anticipated to result (i.e., in terms of capacity and energy contributions) from the programs and budget approved by the DPUC in the Final Decision in Docket No. 04-11-01 dated March 30, 2005. If they are not identical, please identify and explain all the differences.

A–CEAB-8: The CLM plans submitted as part of Docket 04-11-01 are developed annually in cooperation with CL&P. These plans are submitted in late fall of each year as required by the DPUC. The establishment of the program savings goals occurs shortly before the plan is approved by the ECMB and filed with the DPUC.

The load forecast is completed each year during the summer months. Because the CLM plan has not been developed in detail at that time, the forecasted savings are estimated based on historical savings and then adjusted to coincide with the available level of funding.

The CLM savings developed in Docket 04-11-01 occur during the course of the following year. This is addressed in the forecast through the use of a half-year convention. The forecast assumes that 50% of the previous year's [not sure if this is supposed to be singular or plural] savings occurs in 2005 and half of the 2005 savings will not be realized until 2006.

Response to Pre-Hearing Interrogatory Question 9 – Set One

Q–CEAB-9: (a) Please indicate whether and how contributions from (i) existing and (ii) planned cogeneration facilities affect the Company's resource requirements.

(b) Please provide a tabulation of the load and energy forecast that reflects the impacts (i.e., before and after) of the existing and planned cogeneration facility load and energy reductions referred to in Part (a), above.

A–CEAB-9: (a) The Company's peak load (resource) forecast does not explicitly factor in contributions from existing or planned cogeneration facilities. The impacts of existing facilities are included to the extent these facilities were operational during the historical period used in the development of the forecast.

(b) See (a) above.

Response to Pre-Hearing Interrogatory Question 10 – Set One

Q-CEAB-10: Please confirm that, for planning purposes, transmission facilities are those that are 69 kV and above, and distribution facilities fall below that level.

A-CEAB-10: The Company can confirm that for planning purposes, transmission facilities are those above 69 kV.

Response to Pre-Hearing Interrogatory Question 13 – Set One

Q–CEAB-13: Please refer to the DPUC’s Final Decision in Docket No. 04-11-01 dated March 30, 2005:

(a) Please provide any “forecasted peak demand and energy use for SWCT and the rest of Connecticut, and the impact on growth due to conservation programs” (see Decision at 18).

A–CEAB-13: (a) The C LM plan submitted by the UI and CL&P in Docket 04-11-01 includes planned impacts in SWCT on page 25.

Response to Pre-Hearing Interrogatory Question 15 – Set One

Q–CEAB-15: (a) Please provide a summary of the Company’s 5-year history of winter peak loads.

(b) Please provide the most recent forecast of winter peak loads on UI’s system.

(c) Please provide a copy of all analyses performed by the Company, or that the Company has access to, that discuss the reliability of Connecticut’s electric system during the winter months as affected by generating units fired by natural gas.

A–CEAB-15: (a) The winter peak loads for the past five years are shown below:

<i>Season</i>	<i>Month</i>	<i>Peak Day</i>	<i>Peak Hour</i>	<i>MW Peak</i>
2000-2001	Jan	2	1900	911.0
2001-2002	Jan	7	1800	882.6
2002-2003	Jan	27	1900	969.5
2003-2004	Jan	15	1900	1004.4
2004-2005	Dec	20	1900	1016.0

(b)The Company does not forecast monthly winter peak loads.

c) The Company has not performed any analyses discussing the reliability of Connecticut’s electric system during the winter months as affected by generating units fired by natural gas. The Company is aware of similar studies performed by ISO-NE.

Response to Pre-Hearing Interrogatory Question 17 – Set One

Q–CEAB-17: Please provide peak day loads (both summer and winter) broken down by major electric end-use category.

A–CEAB-17: The Company does not have the requested peak day loads broken out by end-use category.

Response to Pre-Hearing Interrogatory Question 18 – Set One

Q-CEAB-18: (a) Please provide the electricity price forecast information that was considered (or used as inputs) to the Company's load forecast filed on March 11, 2005, and for all updates to that forecast.

(b) Please provide all studies of (i) electricity prices and (ii) electricity price elasticity considered by the Company in developing the electricity prices provided in response to Part (a), above.

(c) Please provide any assessments made by or for UI regarding the affect on UI's forecast of peak loads and energy that would result if the military installation closure recommendations for issued in early May 2005 were to be implemented. Please include both the direct effects of the base closures and the indirect effects on the Connecticut economy.

A-CEAB-18: (a) The Company's forecast filed on March 11, 2005 did not consider electricity price forecasts.

(b) See A-CEAB-18 a)

(c) The Company has not made any studies of the impacts of the proposed military base closings.

Response to Pre-Hearing Interrogatory Question 19 – Set One

Q-CEAB-19: Please provide disaggregations of (a) the load forecast included in the March 11, 2005 filing to the Siting Council and (b) all updates to that forecast by customer class (e.g., residential, commercial, industrial, other) and by end use.

A-CEAB-19: The Company does not disaggregate its load forecast by end-use.