

The United Illuminating Company
157 Church Street
P.O. Box 1564
New Haven, CT 06506-0901
203.499.2000



April 18, 2006

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

Re: DOCKET NO. F2006 – Connecticut Siting Council Review of the Ten-Year Forecast of
Connecticut Electric Loads and Resources

Dear Mr. Phelps:

The United Illuminating Company (UI) hereby submits an original and twenty (20) copies to the Connecticut Energy Advisory Board's Interrogatories, CEAB 1, 2, 3, 4 and 5, in the above referenced docket.

Respectfully submitted,

THE UNITED ILLUMINATING COMPANY

by 

Michael A. Coretto.
Director – Regulatory Strategy &
Retail Access

MAC
Enclosures

/Service List

Interrogatory CEAB-1

The United Illuminating Company
Docket CSC F-2006

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Q-CEAB-1: Please provide a copy of the forecast of capacity savings from demand-side measures that the Company provided (i.e., last year) to ISO New England's forecasting group for use in developing the ISO's 2005 energy and peak load forecast.

A-CEAB-1: The following C&LM forecast was sent to ISO-NE during October of 2004:

Company: United Illuminating Company
Reported by: Tom Buffa
Date: 10/28/2004

2004 C&LM Forecast for ISO NE

<u>Year</u>	<u>Cumulative Annual Energy Savings</u> <u>MWh</u>	<u>Annual Energy Savings</u> <u>MWh</u>	<u>Winter Peak kW Reduction</u> <u>kW @ 1800hrs</u>	<u>Summer Peak kW Reduction</u> <u>kW @ 1400hrs</u>	<u>Remarks</u>
2000	64,361		5,416	16,637	DSM Program expanded to 3 mils/kWh
2001	69,250		5,827	17,907	
2002	63,584		5,350	16,436	\$2.4 Million/year from DSM Program to CT DPW begins
Beginning with 2003 savings are cumulative with 30% in the first year, and 100% thereafter. 2004 savings are estimated.					
2003	12,083		2,090	2,501	
2004	60,696	48,613	10,500	12,564	\$0.001/kWh revenue to securitization bondholders
2005	131,578	70,882	22,763	27,237	\$2.4 Million/year from DSM Program to CT DPW ends
2006	199,680	68,102	34,545	41,334	
2007	245,974	46,294	42,554	50,917	
2008	292,438	46,463	50,592	60,535	
2009	339,088	46,650	58,662	70,191	
2010	385,785	46,697	66,741	79,857	
2011	432,618	46,833	74,843	89,552	Loss of \$0.001/kWh in fund revenue is assumed to continue after securitization period ends
2012	479,625	47,007	82,975	99,282	

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2013	526,822	47,197	91,140	109,052
2014	574,070	47,249	99,314	118,833
2015	621,455	47,385	107,512	128,641

Notes

1. First year MWh and kW savings are estimated at 30% of annual savings thereafter.
2. C&LM Revenues are based on UI's sales forecast (March 2004 CSC Filing) and known state commitments.
3. Savings are reported in MWh and demand savings are reported in kW per ISO request.
4. All estimates shown are at the customer's meter. T&D losses are not included.
5. ISO Programs that limit demand through customer curtailment measures are not included in this forecast.

Interrogatory CEAB-2

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Q-CEAB-2: In reference to the forecast of capacity savings from demand-side measures that was provided to ISO New England's forecasting group for use in developing the ISO's 2005 energy and peak load forecast: Please identify for each demand-side program and for each year through 2015 (a) the capacity savings attributable to prior (e.g., through year-end 2005) activity under the program, and (b) the capacity savings attributable to future activity under the program.

A-CEAB-2: (a) The information shown in the table in the response to CEAB-1 shows that the summer peak in 2005 may have been reduced by 78.22 MW resulting from C&LM programs during years 2000-2005, but this value was already included in UI's actual metered load data from 2005 when UI's 2006 forecast was prepared.

(b) The cumulative capacity savings attributable to 2006-2015 programs is estimated at 123 MW as shown in the table in the response to CEAB-1.

Interrogatory CEAB-3

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Q-CEAB-3: (a) Please provide a copy of the forecast of capacity savings from demand-side measures that the Company provided to ISO New England's forecasting group for use in developing the ISO's 2006 energy and peak load forecast. (b) Please explain whether this information was used by the ISO -NE in developing its 2006 peak load forecast. If ISO-NE did not incorporate the information provided into its 2006 Forecast, please provide any information you may have as to why it did not.

A-CEAB-3: (a) The forecast below was provided to ISO-NE in October of 2005.

**United Illuminating Company Conservation Forecast for 2006-2016
Prepared Oct. 2005**

Year	C&LM Annual MWh Savings	Summer Pk MW	Winter Pk MW See Note 6.	Notes
2000	64,361			Actuals
2001	69,250			"
2002	63,584			"
2003	40,278			"
2004	71,444			"
2005	80,126			See Note 5
2006	49,860	9.00	10.04	See Note 4.
2007	50,163	9.05	10.10	Forecast
2008	50,600	9.13	10.19	"
2009	50,773	9.16	10.23	"
2010	51,086	9.22	10.29	"
2011	61,828	11.16	12.45	See Note 3.
2012	72,882	13.16	14.68	Forecast
2013	73,149	13.20	14.73	"
2014	73,600	13.29	14.83	"
2015	74,041	13.36	14.91	"
2016	74,678	13.48	15.04	"

Note 1. Forecast does not include any effects from ISO's load management programs.

Note 2. Values shown are expected to result from one year of program activity; thus, they are not cumulative and do not include savings which continue from programs done in prior years.

Note 3. Seven year bond obligation beginning in 2004 is expected to end in 2011.

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This forecast is based on full (3 mill/kWh) funding being restored for the latter half of 2011.

- Note 4. The 2006 Conservation Plan filing date is Oct. 17, 2005.
The goal for 2006 is the value shown in this plan, which is pending, subject to DPUC approval.
- Note 5. The value shown for 2005 is the DPUC approved goal.
- Note 6. Winter peak impact exceeds summer peak impact due to the savings from lighting products.

(b) The Company does not know the extent to which ISO-NE used the above information.

Interrogatory CEAB-4

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- Q-CEAB-4: In reference to the forecast of capacity savings from demand-side measures that the Company provided to ISO New England's forecasting group for use in developing the ISO's 2006 energy and peak load forecast, please identify for each demand-side program and for each year through 2015 (a) the capacity savings attributable to prior activity under the program, and (b) the capacity savings attributable to future activity under the program.
- A-CEAB-4: (a) See the table in the Response to CEAB Interrogatory 3a. The Summer peak demand savings is estimated at a cumulative total of 123.2 MW for the 2006-2016 period. The Demand savings for the 2000-2005 period is not shown since UI uses the metered electricity consumption from the 2005 Summer peak to prepare the annual forecast, and the metered data includes the effects of past conservation programs.

Interrogatory CEAB-5

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Q-CEAB-5: Please identify the Company's current forecast of capacity savings from its contributions to ISO load response programs. Please identify both programs and forecast capacity savings for each program.

A-CEAB-5: UI has a total of 33.5 MW participating in the ISO-NE RFP Program. This level of participation is expected to continue through 2007. ISO-NE has not yet decided if the program will be continued in 2008. UI has a goal of 5 MW of Demand Response for 2006 as mandated by DPUC Docket 05-07-14 Phase 1.