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SITING COUNCIL

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July 11, 2005

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

Re: Docket No. F-2005 – 2005 Ten Year Forecast Of Electric Loads And Resources

Dear Mr. Phelps:

On behalf of ISO New England Inc. ("ISO"), I am enclosing herewith ISO's responses to interrogatories propounded to The Connecticut Light and Power Company ("CL&P") and ISO by the Connecticut Energy Advisory Board ("CEAB") on June 20, 2005. ISO has not responded to certain interrogatories (CEAB 7, 16, 28-31, 33-34 and 61) which appear to be directed toward CL&P.

Many of the interrogatories request information which is beyond the scope of this proceeding, is already publicly available or would be unduly burdensome to provide. ISO has accordingly registered appropriate objections to the interrogatories. However, despite its objections and without waiving them, ISO has nevertheless tried to provide what information it can to CEAB under the time constraints of this proceeding.

Pursuant to discussion with Siting Council staff regarding bulk filing, we are submitting an original and one copy of certain of ISO's responses and accompanying materials.

Please contact me if you have any questions or need additional information.

Sincerely,

s/*Anthony M. Macleod*

Anthony M. Macleod

Enclosures

cc: Matthew Goldberg, Esq.
Mr. David Ehrlich
Mr. Eric Johnson
Service List

CERTIFICATE OF SERVICE

This is to certify that a copy of the foregoing has been sent via email or first class mail, postage prepaid, on July 7, 2005, to:

Status Granted	Status Holder (name, address & phone number)	Representative (name, address & phone number)
Party	Northeast Utilities Service Company	Stephen Gibelli, Counsel Northeast Utilities Service Company P.O. Box 270 Hartford, CT 06141-0270 (860) 665-5513 (860) 665-5504 - fax gibels@nu.com Chris Bernard Senior Regulatory Planning Analyst Northeast Utilities Service Company P.O. Box 270 Hartford, CT 06141-0270 (860) 665-5957 (860) 665-3314 - fax bernacr@nu.com
Party	The United Illuminating Company	Michael Coretto Director – Regulatory Strategy & Retail Access The United Illuminating Company 157 Church Street New Haven, CT 06506-0901 (203) 499-2000 (203) 499-3664 – fax Linda L. Randell, Esq. Wiggin & Dana LLP One Century Tower New Haven, CT 06508-1832 (203) 498-4322 (203) 782-2889 - fax lrandell@wiggin.com
Party	Connecticut Municipal Electric Energy Cooperative	Maurice R. Scully, Executive Director Connecticut Municipal Electric Energy Cooperative 30 Stott Avenue Norwich, CT 06360-1526 (860) 889-4088 (860) 889-81589 - fax

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Party	Bridgeport Energy LLC	Brad Porlier General Manager Bridgeport Energy LLC 10 Atlantic Street Bridgeport, CT 06604 (203) 332-8694 (713) 627-5992 - fax
Party	PSEG Power LLC	Harold W. Borden Vice President and General Counsel PSEG Power LLC 80 Park Plaza Newark, NJ 07102-4194 (973) 430-6968 (973) 643-6026 – fax h.borden@pseg.com
Party	NRG Energy, Inc.	Judith E. Lagano NRG Energy, Inc. P. O. Box 1001 1866 River Road Middletown, CT 06457 (203) 854-3626 (203) 854-3658 - fax
Party	Northeast Generation Company (NGC)	Frederic Lee Klein, Esq. Assistant General Counsel Select Energy 107 Selden Street Berlin, CT 06037 (860) 665-2926 (860) 665-2330 – fax
Party	Department of Public Utility Control	-INTERDEPARTMENTAL- Cindy Jacobs, Research Department of Public Utility Control Ten Franklin Square New Britain, CT 06051
Party	Lake Road Generating Company, L. P	James T. Carlton, General Manager Lake Road Generating Company, L. P. 56 Alexander Parkway Dayville, CT 06241 (860) 779-8300 (860) 779-8360– fax
Party	PPL Wallingford Energy LLC	Lee Hoffman, Esq. Pullman & Comley, LLC 90 State House Square Hartford, CT 06103-3702 (860) 424-4346 (860) 424-4370 - fax lhoffman@pullcom.com

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Party	Connecticut Resources Recovery Authority	Christopher J. Fancher Facilities Engineer Connecticut Resources Recovery Authority 100 Constitution Plaza, 17th Floor Hartford, CT 06103-1722 (860) 757-7700 (860) 727-4141 – fax
Intervenor	Connecticut Center for Advanced Technology (CCAT)	Joel M. Rinebold Connecticut Center for Advanced Technology 111 Founders Plaza, Suite 1002 East Hartford, CT 06108 (860) 291-8832 (860) 291-8874 - fax jrinebold@ccat.us paresta@ccat.us
Intervenor	Connecticut Energy Advisory Board (CEAB) Office of Policy and Management 450 Capitol Avenue ATTN: CEAB Hartford, CT 06106	Mary J. Healey Consumer Counsel Ten Franklin Square New Britain, CT 06051 (860) 827-2900 (860) 827-2929 – fax occ.efile@po.state.ct.us Heather Hunt, Esq. 242 Whipporwill Lane Stratford, CT 06614 (203) 380-1477 hfhunt@optonline.net Mr. Brian Abbanat LaCapra Associates 20 Winthrop Square Boston, MA 02110 (617) 367-6500 Mr. John Hutts GDS Associates, Inc. 1850 Parkway Place, Suite 800 Marietta, GA 30067 (770) 425-8100 x 112

s/Anthony M. Macleod
Anthony M. Macleod

Response to CEAB Interrogatory 1

CEAB-1: Please identify and provide a copy (including supporting documentation) of ISO New England's most recent load forecast, as will be used for purpose of planning generation and/or transmission infrastructure improvements in Connecticut. Provide specific information that details all assumptions included in this forecast pertaining to existing and planned demand-side management, conservation, demand-response, or interruptible load measures.

Response: ISO's most recent load forecast is attached to the pre-filed testimony of David Ehrlich. The forecast and supporting documentation can be found on ISO's website. Please see http://www.iso-ne.com/trans/celt/fsct_detail/index.html.

Response to CEAB Interrogatory 2

CEAB-2. Please provide a copy of ISO New England's draft Regional System Plan 2005 recommendations for Connecticut, with any supporting analyses and documentation that is available.

Response: The Regional System Plan 2005 Report ("RSP05") is not yet available. ISO can provide a copy to CEAB when it is available.

Response to CEAB Interrogatory 3

CEAB-3: Please provide a copy of the most recent "FERC 715" report(s) addressing transmission issues in Connecticut.

Response: Data contained in the FERC 715 Report contains critical energy infrastructure data which is subject to security precautions. While ISO therefore declines to provide the report, the text in the recently-filed FERC 715 documents references the Regional System Plan (formerly the Regional Transmission Expansion Plan) with respect to transmission issues in Connecticut and is posted on a password-protected location on the ISO New England website at http://www.iso-ne.com/trans/sys_studies/pwr_sys_info/ferc_715/2005/index.html#top. Access to this information is available by contacting ISO-NE Customer Service at custserv@iso-ne.com.

Response to CEAB Interrogatory 4

CEAB-4: Please provide copies of the most recent studies performed by ISO New England that assess the need for additional transmission infrastructure in the 2005 to 2014 period in (a) Connecticut and (b) central and western Massachusetts and Rhode Island (to the extent that such needs have the potential to influence Connecticut's needs or infrastructure, or the ability for Connecticut generation or load serving entities to import/export power from/to the rest of New England). This response should include the most recent studies related to the Southern New England Reinforcement project and any associated studies that would integrate the Lake Road facility into the Connecticut system.

Response: The information requested is beyond the scope of this proceeding, and ISO therefore objects to the foregoing interrogatory. However, without waiving such objection, The Southern New England Transmission Reinforcement Analysis, which is studying ways to better integrate load and resources within western and southeastern Massachusetts, Rhode Island and Connecticut, is in progress and a report will not be available until early 2006. The integration of the Lake Road facility into Connecticut is part of that study.

Response to CEAB Interrogatory 5

CEAB-5: (a) Please provide a copy of ISO New England's current assessment (including supporting documentation) of (i) Southwest Connecticut's and (ii) the rest of Connecticut's need for additional capacity resources based on consideration of Connecticut's share of installed reserves necessary to meet the New England region's "objective capability." To the extent that there are any limitations on where such additional capacity can be added to be effective in meeting the identified need, indicate all such limitations and provide supporting analyses that form the basis for determining those limitations. (b) Please describe whether, how, and in what quantity the contributions (i.e., MW's) from existing and planned demand-side and distributed resources are included in that need calculation.

Response: The RSP05 Report is not available at this time.

Response to CEAB Interrogatory 6

CEAB-6: (a) Please provide a copy of ISO New England's current assessment (including supporting documentation) of (i) Southwest Connecticut's and (ii) the rest of Connecticut's need for additional capacity resources based on consideration of operating capacity standards. To the extent that there are any limitations on where such additional capacity can be added to be effective in meeting the identified need, indicate all such limitations and provide supporting analyses that form the basis for determining those limitations. (b) Please describe whether, how, and in what quantity the contributions (i.e., s) from existing and planned demand-side and distributed resources are included in that need calculation.

Response: The RTEP04 report is available on the ISO's password-protected website. Access to this information is available by contacting ISO Customer Service at custserv@iso-ne.com.

The Connecticut Energy Plan Framework is available on the ISO website at: http://www.iso-ne.com/nwsiss/pr/2005/CT_Energy_Report_01_04_05.pdf

Response to CEAB Interrogatory 8

CEAB-8: (a) Please indicate whether (i) C L & P, (ii) U1, (iii) ISO New England, or (iv) some other entity has completed (or is completing) a recent study of opportunities for distributed generation resources to be sited in Southwest Connecticut or Connecticut. If so, please provide a copy of any and all such studies performed by or in the possession of CL&P or ISO New England. (b) Please indicate whether CL&P, UI or ISO-NE possesses or has access to such a study performed b any other entity. If so, please provide a copy of such study or studies.

Response: ISO has not done a study of opportunities for distributed generation resources to be sited in SWCT or CT.

Response to CEAB Interrogatory 9

CEAB-9: Please provide a copy of the most recent study of the maximum achievable cost effective potential for demand response programs to be implemented in Connecticut.

Response: Section 5 of the Independent Assessment of Demand Response Programs of ISO New England filed with the FERC on December 31, 2004, provides an estimate of the market potential for demand response for all of New England, but it does not provide any separate breakdown for the State of Connecticut. The report is available at ISO's website at http://www.iso-ne.com/regulatory/ferc/filings/2004/ER02-2330_12-30-04.pdf

Response to CEAB Interrogatory 10

CEAB-10: Please provide a copy of the most recent study of the maximum achievable cost effective potential for electric peals load management programs in Connecticut.

Response: ISO has not conducted such a study.

Response to CEAB Interrogatory 11

CEAB-11: Please provide a copy of the most recent study of the maximum achievable cost effective potential for renewable energy resources to be implemented in Connecticut.

Response: ISO has not conducted a study of the maximum achievable cost effective potential for renewable energy resources to be implemented in Connecticut.

Response to CEAB Interrogatory 12

CEAB-12: Please identify the name, capacity (), status and expected completion date (or approval dates) of all requests for system impact studies for (a) generation resources and (b) transmission infrastructure that have been filed with ISO New England in relation to facilities to be located in Connecticut and regarding which construction has not yet begun. In responding to this question, please provide full information relative to the status of the (i) Meriden, (ii) Towantic and (iii) Kleen facilities (among others) and state the milestones that must be met (e.g., ISO New England approvals) before for developers can begin commercial operation.

Response: The status of all interconnection studies can be found on the ISO website at http://www.iso-ne.com/trans/nwtrns_inter/Interconnection_Study_status%206-27-05.xls. See also http://www.iso-ne.com/trans/nwtrns_inter/nw_inter/index.html.

Response to CEAB Interrogatory 13

CEAB-13: (a) Has ISO New England initiated, or does it plan to initiate, a study to determine the amounts (MWs) of generation that could be added in Southwest Connecticut prior to the completion of the Bethel to Norwalk (Phase I) or the Middletown to Norwalk (Phase II) Please explain. (b) If so, please provide a copy of such study.

Response: ISO has not initiated, and does not plan to initiate, a study to determine the amounts of generation that could be added in Southwest Connecticut prior to the completion of the Bethel to Norwalk or the Middletown to Norwalk lines.

Response to CEAB Interrogatory 14

CEAB-14: Please identify and provide a copy (with supporting documentation) of (a) the ISO load forecast (including supporting documentation) and (b) other analyses used to establish the need for proposed transmission projects described in Table of C L & P's March 1, 2005 filing in the instant docket.

Response: (a) See information provided in response to CEAB-1.

(b) ISO defers to CL&P for a response to this question.

Response to CEAB Interrogatory 15

CEAB-15: Please confirm (a) that the CELT04 load forecast is used in transmission planning in RTEP04, and (b) that the CELT05 forecast will form the basis for transmission planning in RTEP05. (c) Please provide a copy of each of the above-referenced documents.

Response: (a-b) All study cases are based on the CELT forecast that is current at the time the study is first scoped out and the study cases are first created. If a significant change in the CELT forecast occurs, the projects are re-evaluated based on the new data.

(c) The 2005 CELT is available on the ISO's Web site at: http://www.iso-ne.com/trans/celt/report/index.html.

The 2004 CELT is available at: http://www.iso-ne.com/trans/celt/report/2004/index.html

Response to CEAB Interrogatory 17

CEAB 17: Regarding the RTEP04 Executive Summary, at 4: How does ISO New England determine when "adequate market solutions" have not developed "in a timely manner," such that "regulated transmission solutions" may be required to ensure reliability or wholesale market efficiency? Please explain, for example, the criteria for identifying market failures and haw far in advance (or after) of a reliability problem ISO New England acts to implement a regulated solution.

Response: The transmission planning process determines the transmission plans needed to address reliability concerns based on how resource development has responded to the New England market environment. Implementation must begin with sufficient lead-time for a transmission solution to be in service when it is needed. The ISO tariff contains provisions to address transmission upgrade deferral or cancellation when a market response subsequently addresses the need that justified the upgrade.

Response to CEAB Interrogatory 18

CEAB-18: Regarding RTEP04 Key Findings, at 6 (n.3): Please identify the analysis by which ISO New England determined that additional capacity was needed beginning June 1, 2004 through the Summer of 2007 "to help fill a reliability gap until a long-term solution to Southwest Connecticut's reliability problem is in place."

Response: The report "Final Report on Evaluation and Selection of Resources in SWCT RFP for Emergency Capability: 2004-2008" is available on the ISO Web site at http://www.iso-ne.com/genrtion_resrcs/reports/rmr/swct_gap_rfp_fnl_rpt10-05-04.doc.

Response to CEAB Interrogatory 19

CEAB-19: Please confirm that all of ISO New England's plans for transmission infrastructure improvements in Connecticut are identified in its RTEP04 summary report.

Response: All of the plans for transmission infrastructure in Connecticut that ISO has currently identified are included in the project listing associated with the RTEP04 report. This listing includes the full range of projects – from conceptual (very little or no study work completed) projects to projects recently placed in service. Currently this listing is updated three times a year. However, this does not suggest that all of Connecticut's transmission needs have been fully identified; additional on-going studies may likely identify other needed transmissions system reinforcements.

Response to CEAB Interrogatory 20

CEAB-20: (a) Please identify the major components and locations of the Southern New England Reinforcement Project ("SNERP") and their locations. (b) Please identify which of these are needed to ensure system reliability and which are needed to ensure market efficiency. (c) Please provide the analysis that establishes the need for each major component of the SNERP. (d) Please identify the currently projected in-service date for each major component of the SNERP. (e) Please provide an analysis that provides a current projection of Connecticut's need for additional capacity resources with and without the SNERP. (f) Please provide a current critical path schedule that describes the permitting and other milestones that must be achieved to bring each major component of the SNERP into service, and describe the progress to date relative to those milestones.

Response: The information requested is beyond the scope of this proceeding, and ISO therefore objects to the foregoing interrogatory. However, without waiving such objection, ISO responds that, as stated in response to CEAB-4, the Southern New England study work has not progressed to the point where specific projects have been determined, and a subsequent sequencing plan established. At this time, it is anticipated that all projects resulting from this analysis will be reliability-based.

Response to CEAB Interrogatory 21

CEAB-21: (a) Please provide (a) the 2004 annual load duration curve and (b) the associated hourly peak load data for (i) Connecticut and (ii) Southwest Connecticut.

Response: The 2004 hourly data for Connecticut is available on ISO's website at http://www.iso-ne.com/markets/hstdata/znl_info/hourly/index.html.

The annual load duration curve can be developed with the hourly data available at this site and therefore, the load duration curve is not submitted with this response.

The 2004 hourly data for SWCT is not publicly available.

Response to CEAB Interrogatory 22

CEAB-22: (a) Please provide, for each year through 2014, an analysis that demonstrates the number of hours per year during which operable capacity levels are projected to be below the established NERC standards in (i) Connecticut and (ii) Southwest Connecticut. (b) Please provide, for each year through 2014, an estimate of the costs of unserved load that would be incurred (e.g., at the "societal" level) if load shedding were necessary to preserve operable capacity at appropriate levels at all times (e.g., so as to avoid any below-standard levels identified in the response to Part (a), above). (c) Please provide copies of the load shedding policies that would apply if operable capacity levels fall below established standards.

Response: (a-b) No such analysis or estimate has been performed or calculated.

(c) Please see ISO New England Operating Procedure 7 at http://www.iso-ne.com/rules_proceds/operating/isone/index.html

Response to CEAB Interrogatory 23

CEAB-23: Please provide a copy of ISO New England's January 4, 2005 report entitled "Connecticut Energy Plan Framework: Recommended Solutions and Actions for the State of Connecticut."

Response: ISO's January 4, 2005 report entitled "Connecticut Energy Plan Framework: Recommended Solutions and Actions for the State of Connecticut" (the "Connecticut Energy Plan") is available at http://www.iso-ne.com/nwsiss/pr/2005/CT_Energy_Report_01_04_05.pdf

Response to CEAB Interrogatory 24

CEAB-24: Refer to ISO New England's January 4, 2005 report entitled "Connecticut Energy Plan Framework: Recommended Solutions and Actions for the State of Connecticut," at 7: (a) Please provide a copy of the 'bperable capacity analyses conducted during RTEP04" that resulted in a projected shortfall of 134 MW in Southwest Connecticut in 2044 to meet the 90114 summer peak load forecast plus operating reserve requirements. (b) Please identify the peak load forecast, including the assumptions regarding existing or planned demand-side measures, on which the "operable capacity analyses conducted during RTEP04" is based (e.g., is it the same peak load forecast as is presented in the April 2044 CELT Report?). (c) Please explain the basis for deriving the distribut ion of peak loads as a function of weather conditions.

Response: (a-b) Please contact ISO Customer Service at custserv@iso-ne.com for access to the password protected website location for the RTEP04 Report.

(c) The distribution of loads is based on a distribution of the weather for that week of the year and the regression coefficient on weather from the short-run peak model. The distribution of weather is based on over 35 years of historical weather data.

Response to CEAB Interrogatory 25

CEAB-25: In regard to ISO New England's January 4, 2005 report entitled "Connecticut Energy Plan Framework: Recommended Solutions and Actions for the State of Connecticut," at 7: (a) Please indicate whether certain resource proposals submitted in response to a "GAP RFP" were rejected because it was determined that the location(s) of the proposed resource(s) was problematic relative to the identified need. (b) Please identify the specific areas in which GAP RFP resources were found to be needed, or not, (c) Please explain how the suitability of locations for GAP RFP resources were identified.

Response: The information requested is beyond the scope of this proceeding, and ISO therefore objects to the foregoing interrogatory. However, without waiving such objection, ISO makes reference to the information at http://www.iso-ne.com/genrtion_resrcs/reports/rmr/swct_gap_rfp_fnl_rpt_10-05-04.doc

Response to CEAB Interrogatory 26

CEAB-26: In regard to ISO New England's January 4, 2005 report entitled "Connecticut Energy Plan Framework: Recommended Solutions and Actions for the State of Connecticut," at 8: (a) Please describe The "aggressive demand response and conservation programs" that Connecticut electric companies are implementing in order to hedge against a possible delay in the installation of new transmission facilities. Please indicate how those programs are reflected in the need for capacity analysis included in that report. (b) Are any of these demand response or conservation programs targeted specifically at reducing summer peak electric demand? Please explain.

Response: (a) The information requested is beyond the scope of this proceeding, and ISO therefore objects to the foregoing interrogatory. However, without waiving such objection, ISO refers to conservation and load management programs approved by the Department of Public Utility Control in Docket No. 03-11-01, DPUC Review of The Connecticut Light and Power Company and The United Illuminating Company Conservation and Load Management Programs and Budgets for 2004. ISO defers to Connecticut's electric companies for further response as the marketing of demand response and conservation programs to retail customers is directly under their control.

(b) Information about demand response resources that are part of the Southwest Connecticut "Gap" RFP is provided in the response to CEAB-25. The "Gap" RFP demand response resources respond to capacity deficiencies when certain actions of ISO New England Operation Procedure No. 4 are implemented. These demand response resources are not targeted specifically at reducing summer peak electric demand.

Response to CEAB Interrogatory 27

CEAB-27: In regard to ISO New England's January 4, 2005 report entitled "Connecticut Energy Plan Framework: Recommended Solutions and Actions for the State of Connecticut," at 8 (Figure 1, Note 2): (a) Please describe, for each year through 2014, the generating capacity (i.e., MWs) that will be "unbottled" with the implementation of the Southwest Connecticut Reliability Project (Phase 1 and/or Phase 2). (b) Please explain how this "unbottled" capacity is different from the "Southwest CT Reliability Project" Phase 1 and Phase 2 capacity represented in Figure 1.

Response: The information requested is beyond the scope of this proceeding, and ISO therefore objects to the foregoing interrogatory. However, without waiving such objection, ISO responds as follows:

(a) Please see Attachment D to the "Connecticut Energy Plan Framework: Recommended Solutions and Actions for the State of Connecticut" referenced in the interrogatory.

(b) The "unbottled" capacity in Appendix D is the same as the "Constrained MW Relief" represented in Figure 1.

Response to CEAB Interrogatory 32

CEAB-32: In regard to CL&P's filing dated March 1, 2005, at I-3, 4: Please provide each electric utility's and ISO New England's current projection of base case electricity prices (i.e., for all components of retail rates) in (a) Southwest Connecticut and b) for the rest of Connecticut. Please provide the price of electricity projections used as input to the most recent CL&P and ISO New England load forecasts presented in this proceeding and include the date and source for those projections. Please indicate whether the price of electricity inputs in the load forecasts include the effects of LICAP.

Response: The information requested is beyond the scope of this proceeding, and ISO therefore objects to the foregoing interrogatory. However, without waiving such objection, ISO's forecast of energy holds electricity prices constant at the last available historical year based on data from the US Department of Energy.

Response to CEAB Interrogatory 35

CEAB-35: (a) Must Connecticut have sufficient resources to meet operating capability standards in order to ensure a reliable supply of electricity? Please explain. (b) Please provide a document that describes how operating capability requirements are determined for (i) Southwest Connecticut and (ii) the rest of Connecticut. (c) Please indicate whether and to what degree Connecticut has any current or projected deficiencies in operating capability requirements. (d) Would any penalties accrue to Connecticut entities (e.g., load serving entities) if Connecticut fails to meet established operating capability standards (i) now, or (ii) in the future. Please explain.

Response: (a-c) Operating capacity analysis is not a standard. ISO's operable capacity analysis as presented in RTEP 04 was conducted to determine whether an area of the system has adequate resources for system operators to operate the system viably given a defined set of system conditions. Please contact ISO-NE Customer Service (custserv@iso-ne.com) for access to the password-protected website location for the RTEP04 Report. Also see ISO New England Operating Procedure 19 at http://www.iso-ne.com/rules_proceds/operating/isone/index.html and ISO New England Planning Procedure 3, Section 3 at http://www.iso-ne.com/rules_proceds/isone_plan/index.html.

(d) Currently there are no penalties and there are no established operating capability standards. ISO cannot state what penalties or standards there may be at any time in the future.

Response to CEAB Interrogatory 36

CEAB-36: In regard to ISO New England's LICAP proposal (i.e., as approved by FERC's administrative law judge in an Initial Decision issued on June 15, 2005: (a) Has ISO New England assessed the implications for existing Connecticut generation of investments in new capacity that are intended to "move" the total capacity serving Connecticut from (i) the capacity target (i.e., "C_{Target}"), to (ii) a point further to the right along the demand curve (i.e., representing even greater system capacity levels, as may be necessary to achieve both operating capability requirements and system reliability). In short, has ISO New England evaluated whether investments can be made to satisfy operating capability requirements without undermining revenues to existing Connecticut generation, and thus Connecticut capacity markets? (b) Please explain the response to Part (a). (c) Please provide copies of all studies that address this issue.

Response: The information requested is beyond the scope of this proceeding, and ISO therefore objects to the foregoing interrogatory. Notwithstanding this objection, ISO has not conducted such an assessment.

Response to CEAB Interrogatory 37

CEAB-37: Please provide a copy of ISO New England's Short-Run. Forecast of Energy Peak Load (April 2005).

Response: See the information provided in response to CEAB-1.

Response to CEAB Interrogatory 38

CEAB-38: Please identify the time period on which the statistics for the net energy for land model on page 6 of the report were derived.

Response: The short-run net energy for load model was based on data from first quarter 1980 to the 4th quarter 2004.

Response to CEAB Interrogatory 39

CEAB-39: Please identify the software package used to generate the model coefficients presented on page 6 of the report.

Response: Metrix ND.

Response to CEAB Interrogatory 40

CEAB-40: Please provide a copy of the computer output pages from the model specification presented on page 6 of the report.

Response: These materials are not publicly available and the information contained therein is subsumed by information contained in the report itself and would be duplicative of such information. ISO therefore objects to this request.

Response to CEAB Interrogatory 41

CEAB-41: (a) Please indicate if ISO New England breaks its projections of net energy for load and peak demand down by individual state or sub-regions. (b) If so, please describe the process and provide all electronic files or working papers that present the steps taken to break the forecast out by area.

Response: (a) ISO forecasts state net energy for load and peak demand. Sub-area forecasts are developed using the state forecasts and data provided by the Transmission Owners.

(b) Please see the website reference provided in response to CEAB-1.

Response to CEAB Interrogatory 42

CEAB-42: (a) Regarding the economic outlook, were projections of disposable income and number of households obtained from any sources other than Economy.com? (b) If so, how do they compare to those developed by Economy.com. (c) If projections of income and number of households were not collected from other sources, please explain why they were not.

Response: (a) Projections of households and disposable income were obtained from Global Insights and the New England Economic Project.

(b) The New England Economic Project projections were consistent with Economy.com's projections. The Global Insight income projections were higher than Economy.com's projections for all states. The Global Insight household projections were higher than Economy.com's projections for some states and lower for others.

(c) ISO believes the sources from which its projections were obtained are reliable and serve as a reasonable cross-check for forecasting purposes.

Response to CEAB Interrogatory 43

CEAB-43: (a) Please identify and provide the heating and cooling degree day values collected from the eight weather stations referenced on page 3 of the report. (b) Provide the weights used to compute the New England aggregates and a description of how the weights were derived.

Response: The eight weather station heating and cooling degree day values for 2004 and 2005 are available on the ISO website at http://www.iso-ne.com/markets/hstdata/rpts/degree_days/index.html

The weighted value for the New England averages is calculated using the following factors derived from historical electricity sales data:

Station	State	Code	Closest Load Zone	NE Winter Weight	NE Summer Weight
Boston	MA	BOS	NEMASSBost	0.201	0.214
Bridgeport	CT	BDR		0.070	0.075
Burlington	VT	BTV	VT	0.046	0.040
Concord	NH	CON	NH	0.058	0.055
Portland	ME	PWM	ME	0.085	0.082
Providence	RI	PVD	RI & SEMASS	0.049	0.048
WindsorLks	CT	BDL	CT	0.277	0.277
Worcester	MA	ORH	WCMASS	0.214	0.209

Note: The weather station corresponding to each load zone is presented as the "best selection" based on geographical proximity to the load zone and does not represent "actual weather" for the load zone but only for the listed weather station. No analysis of these weather stations to determine the appropriateness of the station location for each load zone was conducted by ISO New England nor are these weather stations used in analyses or load zone forecast other than the eight station weighted New England average used for NEPOOL.

Response to CEAB Interrogatory 44

CEAB-44: (a) Please discuss the assumption that real electricity prices in the New England area are projected to remain flat throughout the forecast period. (b) Upon what information is the assumption based, and did the assumption include input from staff at the individual electric utilities?

Response: ISO does not have a price of electricity forecasting model and therefore assumes flat electricity prices. The assumption was reviewed and discussed by the NEPOOL Load Forecasting Committee.

Response to CEAB Interrogatory 45

CEAB-45: (a) Please provide the data used to estimate the peak demand model coefficients presented in ISO_NE_2005 Forecast _Data.xls [Short_Run_Model_Coefficients]. (b) Also identify the software used to estimate the summer and winter peak demand models, and provide the computer outputs from the regression process.

Response: Insofar as the data and computer outputs are not publicly available and such information is subsumed in the forecast information already provided in the referenced document, ISO objects to the foregoing interrogatory. However, without waiving such objection, ISO makes reference to the basic daily peak and associated weather data available on the ISO website at http://www.iso-ne.com/markets/hstdata/znl_info/daily/index.html.

The coefficients were estimated from an ISO computer program written in PROMULA.

Response to CEAB Interrogatory 46

CEAB-46: Please explain how ISO-NE forecasts peak loads for years beyond the short-run forecast horizon.

Response: The long-run peak loads are calculated using the long-run energy forecasts and the peak to energy ratio from the last year of the short-run forecast.

Response to CEAB Interrogatory 47

CEAB-47: Please explain how the short-run and long-run load forecasts are integrated.

Response: See the response to CEAB-46.

Response to CEAB Interrogatory 48

CEAB-48: Regarding the peak load models, please explain how the summer CLI and C-BLI indexes are developed and provide the data necessary to compute the values for years 1992-2004.

Response: The CLI and C-BLI (and HLI and H-BLI) are discussed in the forecast documentation referenced in the response to CEAB-1. The link to the data is referenced in the response to CEAB-45.

Response to CEAB Interrogatory 49

CEAB-49: Regarding the peak load models, please explain how the winter HLI and H-BLI indexes are developed and provide the data necessary to compute the values for years 1992-2004.

Response: See the response to CEAB-48.

Response to CEAB Interrogatory 50

CEAB-50: Please provide a copy of ISO New England's Long-Run Forecast of Net Energy For Load (April 2005).

Response: See the forecast documentation link provided in response to CEAB-1.

Response to CEAB Interrogatory 51

CEAB-51: In the report, there is no description of how long-run peak load is forecasted. Please describe the methodology and process used to produce the reference peak demand forecast (50% range) for years 2005-2014 presented in the spreadsheet ISO_NE_2005_Forecast_Dataxls [Peak_Load_Forecast_Distribution].

Response: See the response to CEAB-46.

Response to CEAB Interrogatory 52

CEAB-52: Please identify all adjustments made to the peak demand forecast to account for impacts associated with demand-side management activities. Identify what DSM programs are included, how the associated DS impacts are derived, and how the peak demand impacts were accounted for in the final peak load forecast.

Response: The energy and peak savings from DSM programs for the New England region are documented in the ISO website link provided in response to CEAB-1. The ISO long-run forecast is for energy and peaks before the savings from DSM programs, and the energy and peak savings are deducted from that forecast.

Response to CEAB Interrogatory 53

CEAB-53: Please indicate if ISO has evaluated end-use sales forecasting techniques to supplement its current econometric approach.

Response: ISO is beginning the process of evaluating a model methodology that combines econometric and end-use techniques (Statistically Adjusted End-use Models).

Response to CEAB Interrogatory 54

CEAB-54: Please provide a copy of ISO New England's Sub-Area Forecast of Peak Load & Energy (April 2005).

Response: See the information provided in response to CEAB-1.

Response to CEAB Interrogatory 55

CEAB-55: Regarding the April 2005 "ISO New England Sub-area Forecast of Peak Load and Energy," at 2 of 3: (a) Please confirm that Connecticut electric utilities do not develop a "bottom up" forecast (i.e., based on local requirements, rather than some allocation of a state- or region-wide forecast) of needs for incremental transmission or capacity resources at (i) the bus level, or (ii) at the sub-area level. (b) If such "bottom up forecasts are developed by the electric utilities or ISO New England, please provide a discussion of the (i) forecast methodologies and (ii) results.

Response: ISO defers to the Connecticut electric utilities for response to this interrogatory.

Response to CEAB Interrogatory 56

CEAB-56: Please provide the spreadsheet developed (rules included in cells) that computes the projections presented on page 2 of 3 of the report.

Response: The projections were not developed in the spreadsheet.

Response to CEAB Interrogatory 57

CEAB-57: Please provide the spreadsheet developed (rules included in cells) that show the calculations of net energy for load, summer pears, and winter peaks, for the values presented in the table entitled ISO-NE RSP Sub-area Energy and Peak Load Forecast Summary Table, on page 3 of 3 of the report.

Response: The projections were not developed in the spreadsheet.

Response to CEAB Interrogatory 58

CEAB-58: Please describe any efforts made by ISO and identify any results available that correspond to the development of energy and peak load forecasts at the sub-area level rather than at the utility level and subsequently broken down to the sub-area level.

Response: None.

Response to CEAB Interrogatory 59

CEAB-59: Please provide the bus level load (MW and MWAR) for each bus in the power flow models (summer and winter peals) fled as part of the most recent FERC-715 filing located within the state of Connecticut for the years 2045-2020. Please include the following data:

(a) Bus Number;
(b) Bus Name;
(c) Bus Voltage;
(d) PSS/E Zone;
(e) PSS/E Area; and
(f) Bus load total MW and MWAR.

Please identify the source of the projections and describe how the projections were developed.

Response: Bus level detail is only available for cases provided as part of the FERC 715 filing and can be found in the FERC 715 report referenced in response to CEAB-3.

Response to CEAB Interrogatory 60

CEAB-60: Please identify and provide any information collected by ISO from local land use planners or local zoning commissions that was incorporated by ISO in development of sub-area toad forecasts or that support the projected energy and peak demand growth rates developed by ISO by sub-area.

Response: None.

Response to CEAB Interrogatory 62

CEAB-62: (a) Does ISO develop forecasts at the sub-area level that are independent of the bus load projections developed by the individual electric utilities or available from FERC? (b) If so, identify them and provide a copy of the report(s), including a complete description of the methodologies employed.

Response: (a) No.

(b) Not applicable.