CONNECTICUT ENERGY ADVISORY BOARD
REQUEST FOR PROPOSALS

SEEKING ALTERNATIVES
TO
THE UNITED ILLUMINATING COMPANY'S
PROPOSED SUBSTATION IN
TRUMBULL, CT

CEAB
Connecticut Energy Advisory Board

July 14, 2006

Table of Contents

CEAB Request for Proposals
For Energy Resource Alternatives to
UI's Trumbull, CT Substation Proposal

I. Introduction and Overview

On June 30, 2006, the United Illuminating Company ("UI") filed an application to the Connecticut Siting Council ("CSC") for approval to construct a 115 kV substation in Trumbull, Connecticut. In this Request for Proposals ("RFP"), the Connecticut Energy Advisory Board ("CEAB") is seeking energy resource alternatives to be evaluated by the CEAB and considered by the CSC in assessing the merits of UI's proposed substation.

The CEAB is required by statute[1] to use an RFP process to identify alternatives to energy projects filed with the CSC. This process allows the CSC to simultaneously evaluate each energy facility application against potential alternatives. All project proposals[2] provided in response to this RFP must be evaluated for conformance with the infrastructure criteria guidelines ("Preferential Criteria") in Conn. Gen. Stat. Sec. 6a-7b.[3] The Preferential Criteria are posted at the following address: http://www.ctenergy.org/pdf/pc_12_01_04.pdf

The UI application for a new Trumbull substation is the second CSC application that initiates the RFP process since December 1, 2004, the effective date of the RFP requirement. Hence, this is the CEAB's second RFP.

As will be more fully described below, this RFP seeks any projects that a) may, alone or in combination with other projects, be alternatives to the Trumbull substation, or b) may defer UI's claimed need for a new substation to a later date. In general, the RFP seeks

[1] Conn. Gen. Stat. Sec. 16a-7c.
[2] Please note that this RFP uses the terms "project," "project proposal," or similar words to refer to all types of energy demand and supply resources.
[3] Conn. Gen. Stat. Sec. 16a-7c(f)

project proposals that can add additional local supply sources or reduce load within the targeted geographic area.

After the CEAB evaluates any proposals it receives, as well as the Trumbull substation proposal, it will prepare a report that summarizes its evaluation. The CEAB will forward its evaluation to the CSC, and the CEAB evaluation will become part of the CSC record.[4] The timing of this process is depicted on Attachment A.

In the event that alternative proposals are offered in response to this RFP, the CSC will hear applications stemming from the RFP in a consolidated hearing process.[5] When an application such as UI's proposed substation is heard in a consolidated hearing process with other proposed projects common to a CEAB RFP, the CSC must determine whether the proposed facility "represents the most appropriate alternative" among such applications.[6]

The balance of this document provides further detail regarding this RFP, including information about UI's proposed substation, the RFP process and evaluation criteria, templates for bidders to supply information needed by the CEAB (Attachment B), the RFP calendar, and information concerning confidentiality and proper communication protocols.

II. Summary of UI Application

UI proposes to construct a new 115KV / 13.8KV substation in Trumbull, CT. The preferred site is located in close proximity to Trumbull Junction, a place where UI's 115KV transmission lines numbered 1730 and 1710 connect to the transmission system of CL&P. The new substation is positioned between two existing UI substations at Trap Falls and Old Town. The new substation will have two 24/32/40 MVA transformers that will have a combined firm capacity rating of 58 MVA. The design of this new station is

[4] Conn. Gen. Stat. Secs. 16a-7c(f) and Conn. Gen. Stat. Sec. 16-50o(d).
[5] Conn. Gen. Stat. Sec. 16-50m(a).
[6] Conn. Gen. Stat. Sec. 16-50p(a)(3)(F)

in accordance with UI standard practices. The estimated cost of this new substation is $17.3 million, and the projected service life is 40 years or more.

In planning its bulk power supply system and substations, UI utilizes a reliability criterion called "N-1". This is a common planning criterion utilized by most if not all electric utilities in the country. The intent of adopting this standard is to design the system to withstand the worst single event or contingency and still supply customer loads. The firm capacity of a substation is the load that can be supplied even with the failure of the largest piece of equipment, which in this case is one of the two transformers located at that substation. In determining the firm capacity of a substation, UI considers not only the loads carried by the equipment remaining in service, but also the performance of the system, such as its ability to maintain proper voltages in the event of a contingency or equipment failure.

In its June 30, 2006 filing with the CSC, UI has provided load projections and the existing firm capacity of the Old Town and Trap Falls substations. According to UI, the firm capacity at Old Town is 85.5 MVA[7]. Actual load at Old Town in 2005 was 83.3 MVA and is forecasted by UI to increase to 87.7 MVA by 2010, or a growth rate of approximately 1.0% per year. At Trap Falls, the firm capacity is 76.6 MVA. Actual load in 2005 was 77.3 MVA, and is forecast by UI to increase to 93.5 MVA, or a growth rate of 3.8% per year. With all equipment in service, Old Town and Trap Falls can service the existing loads. Under an "N-1" criterion, where the system must withstand the loss or failure of the largest piece of equipment, these stations need additional capacity, or need to have some of their loads transferred to other stations. By 2010, the combined projected loads for Trap Falls and Old Town substations will exceed their ratings by approximately 19 MVA, even with all equipment in service. When the new Trumbull substation is operational, approximately 35 MVA of existing load will be transferred to it; 18 MVA from Old Town and 17 MVA from Trap Falls. These transfers will reduce loads at those existing substations to a level that will comport with the "N-1" planning criterion until after 2015, according to UI.

[7] With one transformer out of service, this rating is reduced to 65 MVA to guard against voltage collapse.

According to UI, there will be additional benefits to constructing the new Trumbull Substation. UI is required to maintain system reliability at their 1998 levels. Construction of the new substation and accompanying load transfers will facilitate achieving that objective. Furthermore, the existing substations at Old Town and Trap Falls are connected to transmission lines owned by CL&P, while the new Trumbull substation will connect to lines owned by UI. The load transfers from Old Town and Trap Falls to the new Trumbull Substation will reduce payments by UI to CL&P for the use of CL&P's transmission system.

III. Request for Proposals: Energy Projects Solicited

This RFP seeks proposals for any projects that can add additional local supply sources, or reduce load within the targeted geographic area. The CEAB is specifically directed by statute to solicit proposals, including distributed generation and energy efficiency, where relevant.[8] Potential supply or load reduction options include, but are not limited to:

- Grid-based Distributed Resources[9]
    - Distributed generation
    - Load response resources
    - Emergency generators
- Customer-based Distributed Resources[10]
    - Distributed generation
    - Combined heat & power/cogeneration
    - Load response resources
    - Emergency generators
    - Energy efficiency resources/conservation.

[8] Conn. Gen. Stat. Sec. 16a-7c(b).
[9] Grid-based distributed resources are connected to the utility's distribution system; i.e., on the system side of any customer's electric meter.
[10] Customer-based distributed resources are located on the customer's premises and are connected on the customer side of the meter.

In this RFP, the CEAB will consider only those proposals that address the electric system issues in and around Trumbull that the UI proposal seeks to address. However, if proposed alternatives addressing the local system requirements for which the UI substation is proposed also provide additional benefits to the system or the electric consumers in Connecticut, the CEAB will consider those additional benefits in its evaluation. For example, alternative proposals that address local reliability in Trumbull and also provide mitigation of Federally Mandated Congestion Charges ("FMCCs")[11] in Southwest Connecticut would be considered in this process, consistent with the Preferential Criteria.

Based only on a preliminary review of the UI application, the CEAB estimates that approximately 35 MW[12] of on-going local load reduction or additional local supplies, phased in between 2006 and 2010, would serve as a comprehensive alternative to UI's proposed substation. It is possible that lesser amounts could defer the need for this substation to a later date. The CEAB will be conducting further review of UI's assessment of the needs in the area and will make information on this review available to the bidders when it is completed. Any bidder may offer its own assessment of need for the UI substation in Trumbull or information that it wishes the CEAB to consider in that regard as it conducts its evaluation of alternatives.

IV. RFP Implementation

This RFP is being conducted by the CEAB in accordance with specified statutory scheduling requirements. To assure that the proposals are reviewed properly and in a timely manner, the CEAB has established an RFP Subcommittee and has retained the services of a team of consulting firms led by La Capra Associates of Boston. In

[11] The Energy Independence Act (PA-05-01) defined Federally Mandated Congestion Charges and established mechanisms for mitigation of those charges. Measures to implement the Energy Independence Act are currently being considered by the Department of Public Utility Control. For additional information on FMCCs, please refer to CEAB's September 2, 2005 Interim Report to the DPUC in Docket 05-07-14PhI, available at www.ctenergy.org.

12 35 MVA is the amount of load to be transferred to the new substation at Trumbull.

coordination with the CEAB's RFP Subcommittee, the La Capra Associates team will conduct the various tasks required to implement an RFP such as Bidders' conferences and responding to inquiries. In addition, the La Capra Associates team will (1) conduct the technical evaluation of all proposals in accordance with the process described in this RFP, and (2) prepare a written evaluation of its results for consideration and review by the full CEAB. The evaluation ultimately adopted by the CEAB will be provided to the CSC for its use, as it deems appropriate**.**

Please note that the proposals must be received at the offices of the CEAB by 4:00 P.M. on September 12, 2006, as will be more fully described below. No proposal should be sent directly to La Capra Associates.

V. RFP Schedule

The RFP schedule is outlined below, along with details relative to certain aspects of the process, such as the Bidders' Conference and the Notice of Intent to Respond. The timeframe for the principal steps in the RFP process are set by statute and are thus not subject to change.[13] These requirements are also depicted in Attachment A to this document.

A. RFP Calendar

On June 30, 2006, UI filed its formal application with the CSC. The following is the RFP schedule beginning with the date of the CSC filing:

- June 30, 2006: UI files application with CSC.
- July 14, 2006: CEAB issues this RFP, announces date of Bidders conference.

[13] Conn. Gen. Stat. Sec. 16a-7c.

- July 28, 2006: Bidders' Conference held.
- Ongoing: After the Bidders' Conference and until end of business on August 4, 2006, the CEAB will respond to all questions from prospective bidders pursuant to the communications protocols set forth below.
- August 11, 2006: Due date for Notice of Intent to respond to RFP.
- August 18, 2006: Last date on which pre-bid questions may be submitted to the CEAB.
- September 12, 2006: Due date for Proposals to the CEAB.
- October 27, 2006: The CEAB issues its final report to the CSC, with the CEAB's evaluation of all proposals received, as well as UI's proposed substation in Trumbull.

B. Additional Details

1. The Bidders' Conference

Date: July 28, 2006
Time: 10:00 AM to 12:00 Noon
Location: The Connecticut Economic Resource Center, Inc.
805 Brook St, Bldg 4
Rocky Hill, CT 06067

Logistical Questions: Gretchen Deans
860-571-7147 or gdeans@cerc.com

The Bidders' Conference gives interested parties an opportunity to hear more about the RFP and to ask questions about UI's proposed project and this RFP. Attendance is encouraged, but it is optional and not a prerequisite to later submitting a proposal. For interested bidders who are unable to attend in person, the CEAB will establish a call-in number. Please contact Gretchen Deans if you plan to attend by phone. Questions asked

and answers provided at the Bidders' Conference will be summarized, and posted on the CEAB's website**.**

2. Notice of Intent to Submit Proposal

Prospective bidders to this RFP are asked to submit a notice of their intent to submit a proposal by August 11, 2006. No project information need be filed with this notice. Submission of this notice is not a requirement for bidding. The notice should be sent by email to Gretchen Deans at: gdeans@cerc.com.

The Notice should:

(a) identify the sender, and

(b) state either: "I intend to submit a proposal" or "I do not intend to submit a proposal."

3. Pre-Bid Questions to the CEAB

After the Bidders' Conference, and through the end of business on August 18, 2006, prospective bidders may ask additional questions of the CEAB regarding the pending RFP. All such questions shall be submitted via email to the CEAB, and both the question and the answer will be posted on the CEAB's web site. The person or entity that asked the question will not be identified. The CEAB, in its sole judgment, may decline to answer any question.

The email address for the submission of pre-bid questions is: gdeans@cerc.com.

4. Post-bid Questions from the CEAB

Bid responses should be comprehensive and fully responsive to the material requested in the templates contained in Attachment B to this document. Bidders are encouraged to explain the ways in which their proposed project conforms to the Preferential Criteria.[14] The CEAB may, but need not, ask questions of any individual Bidder to amplify, clarify, or verify its proposal.

5. Submission of Proposals:

All proposals submitted in response to this RFP are due on **September 12, 2006 by 4:00 PM (Connecticut time)**.

All submittals must be made by regular mail, delivery service (e.g., Fed Ex), courier, or in person.

Proposals submitted electronically will ***not*** be accepted.

All submittals must be in sealed envelopes, and must include three (3) hard copies of the entire submittal, and a CD-ROM containing the requisite electronic files that produced the hard copy.

Bidders may submit more than one proposal. In the event that more than one proposal is submitted, each must meet all the requirements for filing and for the provision of information. Bidders may also offer a combination of projects in a single proposal.

Any proposals received in unsealed packages or envelopes will be returned.

Any proposal that arrives after 4:00 PM on September 12, 2006 will be rejected and will not be considered. There will be no exceptions to this requirement.

[14] See Conn. Gen. Stat. Sec. 16a-7c(d) and Preferential Criteria.

Proposals that are not substantially complete, in the sole judgment of the CEAB, may be rejected. However, the CEAB reserves the option, at its sole discretion, but with no obligation, to seek additional information from the Bidder.

Proposals must be delivered to the following address:

CEAB
Attn: Gretchen Deans
c/o CERC
805 Brook Street, Bldg. 4
Rocky Hill, CT 06067
Telephone: 860-571-7147
Email: gdeans@cerc.com

VI. Proposal Confidentiality and the Freedom of Information Act

Due regard will be given for the protection of proprietary or confidential information contained in all proposals received. However, Bidders should be aware that all materials associated with the procurement are subject to the terms of the Connecticut Freedom of Information Act ("FOIA") and all related rules, regulations and interpretations.[15]

It will not be sufficient for Bidders to state generally that the proposal is proprietary or confidential in nature and not, therefore, subject to release to third parties. Those particular sentences, paragraphs, pages or sections that a Bidder believes to be exempt from disclosure under the FOIA must be specifically identified as such. A convincing explanation and rationale sufficient to justify each exemption consistent with Section 1-210(b) of the FOIA must accompany the proposal. The rationale and explanation must specify the prospective harm to the competitive position of the Bidder that would result if

[15] See, Conn. Gen. Stat. Sec. 1-210.

the identified material were to be released and the reasons why the materials are legally exempt from release pursuant to the above-cited statute.

If a FOIA request is made for disclosure of material designated confidential by a Bidder, the CEAB will notify the Bidder within 48 hours. Any material deemed exempt under the FOIA will not be released pending a ruling by the Connecticut Freedom of Information Commission or a court.

VII. Proposal Requirements

This section of the RFP discusses the information that will be required from Bidders. The next section discusses the manner in which the proposals will be evaluated. In order to provide some context, this section begins with an overview

A. Overview

As noted earlier, the CEAB is required, through an RFP process, to identify alternatives to certain energy projects filed with the CSC. The types of projects that might trigger the CEAB process range in scale and scope from the very large, expensive and complex to those that are smaller and simpler. Within this range, the Trumbull substation proposal is one of the latter.

It is the CEAB's view that, to the extent possible, the nature of the project and the likely alternatives to it – particularly in terms of size, cost, likely environmental and quality of life implications – should be considerations in the specific requirements of the RFP. More specifically, in this instance the scope of the information required from Bidders, as well as the mode and depth of the review and evaluation of proposals, reflects the fact that both the proposed substation and any likely alternatives are expected to be relatively small scale energy projects.

UI has advanced the substation proposal to address its claimed need to enhance the local distribution system. Because the new substation in Trumbull has been proposed for purposes of enhancing local distribution capability, certain things must be concluded about any proposed alternative before the CEAB can determine that it is a feasible alternative. In particular, it must be evident that the proposed project is likely to either reduce peak loads on the distribution system (such as a load management resource) within the targeted geographic area or increase supply on that portion of the distribution grid (such as a grid-side distributed generation facility). In addition, it will need to be evident that the resource in question is highly likely to come to fruition (e.g., the Bidder is likely to be able to finance and develop the project) in the proper time-frame (i.e., before the load on the system exceeds its present capacity). In short, a threshold criterion is that the proposed project is likely to make a timely contribution to local distribution reliability. Projects that appear to be unlikely to do so will not be considered further.

The information required from Bidders is designed to address the foregoing considerations. In addition, the scope of the information required reflects the likely size and impacts of the proposed alternatives. In subsequent RFPs regarding other projects, the CEAB may request both more extensive and more detailed information regarding certain matters, should the circumstances so warrant.

B. Required Information

Bidders are required to respond fully to the topics covered in the bidders' templates provided in Attachment B. Please fill in and save copies of the electronic templates provided by the CEAB. These templates should then be used to produce the three hard copies and the CD required for each proposal submission.

The following list illustrates the nature of the information being sought. This is a summary only, and does not supersede the information described in the templates provided in Attachment B.

- A brief summary of the project, including a short description of the proposed project, its size, and the technology deployed. In addition, as may be applicable (such as for certain demand-side projects), a brief description of the marketing plan.
- Designated contact person(s), including title, mailing address, delivery address, and email address for each contact.
- Description of Bidding Entity, including the corporate form of the entity (e.g., corporation, LLC, partnership, or proprietorship, and the state of organization).
- Financial strength and qualifications of the Bidder(s).
- Summary of Bidder's experience with similar projects.
- A description of the proposed project and how it would increase supply or reduce demand for substation transformer capacity in the targeted geographic area.
- The amount of peak and off-peak energy being provided or displaced.
- A description of the stage of development of the project(s) included in the response to the RFP. Examples: for a distributed generation project, the status of engineering and permitting, and whether land access or purchase agreements have been negotiated or executed; for a demand or energy efficiency resource proposal, any local market potential studies, and whether or not specific customers have agreed to participate.
- As may be applicable to the specific project, a schedule for the development, permitting, financing, construction and/or installation, commissioning, and testing of the proposed project, including key project milestones that can be used to monitor progress.
- The anticipated performance of the proposed project and the projected hours of non-operation in the case of supply options.
- The location of the proposed project. The response should also describe, as may be applicable, how the proposed project will be connected either to the distribution system of UI or the property owner's premises.
- The expected term or life of the proposed project.
- A financial pro forma for the project.

- A description of any environmental impacts of the proposed project, including a forecast of expected quantities of all emissions and discharges.
- For proposed generating projects, a description of the fuel supply plan, including (where relevant) transportation of fuels to and storage on the project site.
- A summary of any impact on local traffic and roads, such as during construction, from fuel deliveries, ect.
- A discussion of how the proposed project conforms to the infrastructure criteria guidelines ("Preferential Criteria").

As noted earlier, Bidders may submit more than one project proposal. Each individual project proposal will be evaluated separately. In addition to providing the required information, Bidders are encouraged to provide their view of how their projects comport with the Preferential Criteria and to describe whether and, if so, how their projects provide other benefits to the State, such as the reduction of FMCCs.

VIII. Proposal Evaluation Process

The CEAB will review and evaluate each project proposal, including UI's proposed substation, for conformance with the Preferential Criteria. The CEAB will determine whether the project proposals, taken individually or as a group, can sufficiently add local supply or reduce load in the targeted area. The CEAB will also summarize the impacts of the various proposals on the environment and on the quality of life, as articulated in the Preferential Criteria. As noted earlier, the CEAB will summarize its evaluation in a report that will be forwarded to the CSC and made part of the CSC record.

A. Review of proposal completeness

Upon receipt of the proposals, a review of each will be undertaken to determine whether all information requested has been provided. Proposals that, in the sole judgment of the CEAB, are not substantially complete may be rejected. However, as noted earlier, the

CEAB reserves the right, but does not have the obligation, to seek additional information or the clarification or verification of representations that may have been made.

B. Meeting the Threshold Criterion

As a threshold criterion, each project will have to demonstrate that it can enhance local distribution capability in a timely manner. In general, this means, among other things, that the project will:

- reduce peak loads on the distribution system by either reducing demand at customer sites or providing power at distribution voltages;

- utilize technologies that are known to be reliable; and

- be financeable and otherwise developed and in service in a timely manner, which means, described generally, that the bidder has the demonstrated ability to put the project in place before the load on the distribution system exceeds its capacity.

Projects that may have an incidental impact upon distribution peak loads will not be considered to be resources for purposes of this RFP unless the bidder can reasonably quantify the peak impact. For example, a demand-side management program that consists primarily of measures to reduce electricity use throughout the year may, but need not, have some peak impact. Those projects that satisfy the foregoing threshold criterion will be reviewed further as described briefly below. The projects that do not meet the threshold will be so described in the CEAB's final evaluation.

C. Further review and evaluation

The CEAB will continue to review and evaluate the UI proposal and projects that meet the thresholds of this RFP. The major components of the CEAB's evaluation are directed

by the Preferential Criteria which support and balance energy reliability, environmental and natural resource protection, cost effectiveness, and quality of life goals.[16]

The CEAB will provide a mix of quantitative information and qualitative assessment in its report to the CSC regarding the conformance of each proposal with the Preferential Criteria, including:

1. Determining whether projects that satisfy the threshold can, individually or in some combination, meet the distribution system capability needs in Trumbull.

2. Assessing the costs and benefits to Connecticut electricity customers of the various proposals, including any additional benefits, such as reduction of FMCCs, that any proposed project may bring.

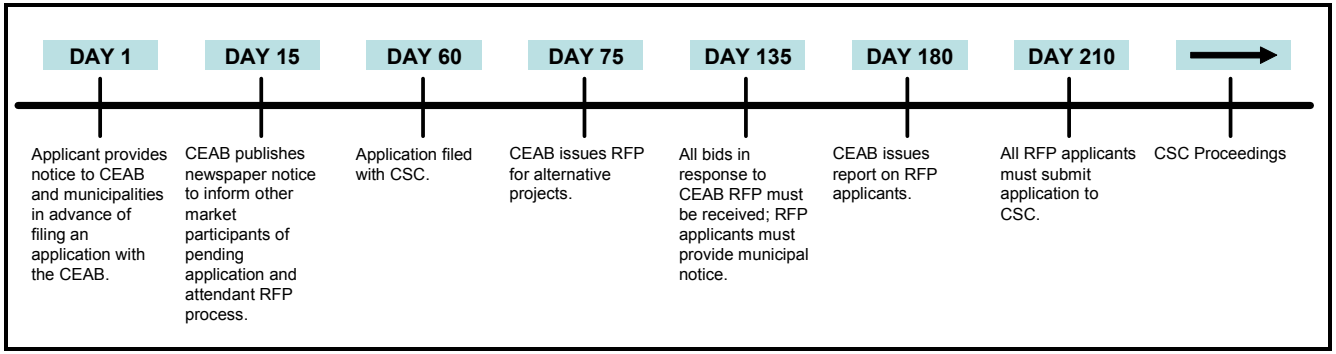
3. Evaluating the environmental and quality of life impacts of each proposal.

The CEAB's evaluation will be provided to the CSC. Bidder may find it helpful to review statutes regarding the CSC for information about its process in the case of a consolidated hearing. Once again, the timelines for the overall process are summarized in Attachment A.

[16] Conn. Gen. Stat. Sec. 16a-7b.

Attachment A

CEAB/CSC Timeline



Attachment B

Templates for Bidders

TEMPLATES FOR PROPOSALS IN RESPONSE TO TRUMBULL SUBSTATION RFP

July 14, 2006

CEAB RFP TEMPLATES

In order to produce its evaluation to the CSC concerning UI's proposal to upgrade its substation in Trumbull, the CEAB requests that each Bidder provide certain information about its project so that the proposal can be evaluated against the need as identified by UI and the relevant Preferential Criteria.

The CEAB has established 28 criteria for evaluating proposals submitted in response to RFPs. Eleven criteria evaluate the proposed project's detailed attributes, including, but not limited to, economic benefits, stage of development, bidder financial qualifications and the status of obtaining funding sources for the proposed project, and progress milestones proposed. Seventeen of these criteria are based upon the Preferential Criteria established by the CEAB on December 1, 2004. The Preferential Criteria are posted at: http://www.ctenergy.org/pdf/pc_12_01_04.pdf

For this particular RFP, the CEAB has selected the criteria that are pertinent to the Trumbull Substation proposal under consideration. For this RFP, Bidders are required to complete the templates provided herein to the extent that they are relevant to the Bidder's proposal. **The templates are designed to cover a wide variety of potential resources, and certain templates, or portions thereof, may not be relevant for each proposal.** In addition, each Bidder has the option of providing additional information if the Bidder feels that its proposal advances the Preferential Criteria in any way not captured in the balance of the RFP response.

In order to facilitate the receipt and review of all such responses, the CEAB has established electronic templates for the submission of required information (via hard copy and CD). An electronic file containing these templates can be downloaded from the CEAB website at http://www.ctenergy.org/requests.html.

Prior to submitting these templates, please review Section VI of the RFP concerning Connecticut's Freedom of Information Act and confidential information.

Connecticut Energy Advisory Board RFP
Template for Required Information
Project: _____
[please insert your project's name on each page]

Template 1

Technology Description: Please provide a brief description of the proposed project. Include the project's: a) Technology; b) Size (kW); c) Location; and d) Expected life or contract term. Confirm that, and the extent to which, the technology has been in commercial operation. Indicate whether, and the length of time, the project's specific engineering and design applications have been deployed in other commercial applications.

Template 2

Contact Information: Please provide Bidder's designated contact information including name, title, mailing address, delivery address, and email address for each contact person specified.

Template 3

Bidding Entity Information: Please provide a description of the Bidding Entity. Include a detailed description of all partners and/or affiliates that will participate in the proposed project. Provide the corporate form of the Bidding Entity (e.g., Corporation, LLC, Partnership, or proprietorship), and the state of organization.

Template 4

Site Control: For each parcel of land required for the proposed project, including but not limited to, any easement needed for site access and energy delivery to and from the site provide: (1) The status of site access, ownership, or control by the project sponsor including the status of any contract negotiations; (2) A list of any deed, easement or zoning restriction; and, (3) Any other contingency relative to site control whether within the bidder's control or not.

Template 5

Experience on Similar Projects: Please detail the experience of the Bidder, its affiliates and project team members in the development of projects the nature and scope of which are comparable to the proposed project. Please identify past projects relevant to the proposal and, for each, state the other date that the project went into service. Please identify the specific individuals who have lead roles in the proposed project and their roles in the projects identified in response to this template.

Template 6

Bidder's Financial Qualifications: Please describe the Bidder's financial qualifications and specifically, the financial capability of the bidder to develop the project as proposed. Provide information about the Bidder's past experience securing financing. Please provide information (such as corporate financial statements) that demonstrates the Bidder's financial capacity.

Template 7

Project Finance: Please describe the project's financeability including the financial plan and the project's cash flow forecasts. With a focus on the financial capability of the proposed project, please provide a complete financial plan that addresses the following issues with well-detailed and documented information concerning: a) project ownership; b) capital cost (including contingencies and interconnection costs, known or reasonably foreseeable); c) structure, operating revenues and costs including all taxes. Please attach financing commitments and/or expressions of interest by financial institutions.

{Insert text below. In addition to a description of the financing plan for this project, please submit financial pro formas demonstrating that the project can be successfully financed. This information should be provided electronically in an MS Excel spreadsheet.}

Template 8

Permits: Please identify all permits, licenses and variances (collectively "permits") required for the proposed project from any government entity. Indicate which permits have been obtained and provide copies. For any required permit not obtained as of the date of bid response, describe the project's status in the permit process, including an expected timeline to secure the permit. Characterize to the extent possible the Bidder's degree of certainty that required permits will be secured. Identify any known or foreseeable impediments to any permit. Summarize the status of any community outreach efforts and provide all relevant news reports.

Template 9

Milestones: Please provide milestones for key project development steps and explain the basis for the expected timing of each milestone. The milestones should include but not necessarily be limited to: a) site control; 2) engineering; 3) permitting; 4) local market studies for demand and energy efficiency proposals; 5) concluding agreements for the project's output; 6) financing; 7) construction/installation; 8) commissioning and testing. State the current approximate percentage complete for each milestone. In addition, please identify any potential material impediment to project development and the plan to address the impediment.

Template 10

Fuel Supply Plan: Please describe the project's fuel supply plan, including how fuel will be transported to and stored on site. To the extent possible, clearly demonstrate a direct linkage between the availability of the required fuel or resource input and proposed output. Please provide a copy of any applicable resource analysis and explain how this analysis supports the project's operational and financial projections.

Template 11

Operation and Maintenance Plan: Please describe the project's O&M Plan. Please identify the status of any agreements with an O&M provider, the basis of the O&M funding levels and mechanism, and the expected staffing levels.

Template 12

Verification Plan: Please describe the project's measurement and verification plan, or the proposed project's ability to prove that expected supply or reduction in energy consumption has actually been delivered.

Template 13

Interconnection: Please state: a) whether the project has initiated the interconnection process; b) which step in the interconnection process the project process is in currently; c) whether the distribution company has identified verbally or in writing any potential impediment to or potential for delay of interconnection; and d) if there is any outstanding information the project owes to the distribution company to enable continued progress on its interconnection application.

Connecticut Energy Advisory Board RFP
Template for Required Information
Project: _____

Template 14

Reliability: Please describe in detail how the proposed project will provide reliability to the Wilton area during the CL&P peak periods. In particular, state how the proposed project will increase supply or reduce demand for substation transformer capacity in and around Wilton. State the amount of peak and off-peak energy that the project will provide or displace. Provide documentation supporting the expected annual amount of scheduled and unscheduled outages; for scheduled outages, please state how and when they will be scheduled and the expected average duration.

Template 15

Physical Risk Management: If applicable, please describe how the project will be protected from direct physical risk, accidental or intentional, natural or manmade.

Template 16

Electric Costs: Please describe how the project might lower or minimize Connecticut consumers' electric costs. Bidders are encouraged to explain how, in their view, the project may be economically advantageous to Connecticut ratepayers.

{Insert text below. Also, please submit an Excel spreadsheet providing a detailed annual forecast of the expected increased supply or reduced demand for peak and off-peak periods, including all assumptions and supporting calculations.}

Template 17

Government Revenues: Please identify the project's expected local property taxes and state income taxes over the life of the project. Identify and to the extent possible quantify the project's employment effects. Reference the information provided in response to this answer to the project spreadsheet provided as part of your response to Template 7.

Template 18

Quality of Life/Environment: Identify whether, and if so, how, the proposed project might: a) create a local health issue; b) adversely impact property values; c) adversely influence the operation of electronic devices; d) adversely affect economically disadvantaged populations; e) adversely impact traffic or transportation systems (during construction, fuel deliveries); f) create any aesthetic or visual concerns for the local population; g) adversely affect sensitive public facilities (i.e., schools, day cares); h) run counter to local land use standards; i) increase ambient noise or light trespass; j) impact any wetlands; or k) impact any historic or culturally significant facilities or locations. For any of the items a) through k) answered affirmatively, please explain the impact and the Bidder's actions to avoid or mitigate the adverse impacts.

Template 19

Existing Infrastructure: Please identify the extent to which the proposed project makes use of existing infrastructure and whether any additions to existing infrastructure are required for the project to be completed and to begin operation. If additions are necessary, please identify associated costs.

Template 20

Generation Profile: For generation projects, please state: a) whether the technology is capable of operating on dual fuels; b) whether the resource is Class I or Class II renewable as defined in Connecticut General Statute Section 16-245a; and c) whether the technology is capable of operating in combined heat and power mode.

Template 21

Demand Side/Load Management: For load management projects: a) describe or provide the marketing plan; b) provide local market potential studies, if any; c) indicate whether and if so how many customers have agreed to participate; and d) quantify the expected peak impact.

Template 22

Environment: Please identify anticipated water consumption and the proposed sources of water for the project. Provide an annual forecast of all air and water emissions and discharges associated with the project for the term or life of this project. Describe any air or water emission control equipment that you propose to install as part of the project. Please identify any hazardous wastes or hazardous materials that will be stored on site and your associated risk management plans.

Connecticut Energy Advisory Board RFP
Template for Required Information
Project: _____

Optional Template

Please provide any additional information you wish to submit to demonstrate how your project satisfies the CEAB's Preferential Criteria.

Attachment C

Energy Infrastructure Development Overview: A Brief Summary

The State of Connecticut has reformed its approach to energy infrastructure development and permitting. A component of this reform was the reconstitution of the Connecticut Energy Advisory Board ("CEAB") membership and the modification of its function.

With respect to membership, the CEAB includes: the Commissioner of the Department of Environmental Protection; the Chair of the Department of Public Utility Control; the Commissioner of the Department of Transportation; the Consumer Counsel; the Commissioner of the Department of Agriculture; the Secretary of the Office of Policy and Management; an appointee of the Governor; an appointee of the President Pro Tempore of the Senate; and an appointee of Speaker of the House of Representatives. [17]

Relative to function, the CEAB is directed by statute to play a significant role in state energy planning, to establish Preferential Criteria by which to evaluate proposed energy projects and to actively solicit project proposals through Request-For-Proposal processes.[18]

The CEAB's activity results in two primary changes to energy project development. First, through the CEAB, the State will encourage the development of energy projects that meet its energy policy objectives, such as affordability and system reliability, and address its preferences regarding matters such as the minimization of environmental and quality of life impacts. Second, the State will ensure that potential alternatives to major facilities are considered simultaneously when such facilities are proposed by electric distribution companies or other market participants.

[17] Conn. Gen. Stat. Sec. 16a-3(a).
[18] Conn Gen. Stat Sec. 16a-3(b); Conn. Gen. Stat. Sec. 16a-7c

RFP Processes

An objective of the energy project solicitation processes is to encourage high quality projects to be developed in Connecticut. The CEAB believes that this will best be accomplished through a process that is efficient and transparent. Accordingly, the CEAB's RFP Processes are designed to be expeditious and to increase the efficiency of the overall permitting process in a way that advances State energy policy.

The CEAB will implement an RFP process in one of two ways, dictated by circumstances: a "Proactive RFP" initiated by the CEAB or a "Reactive RFP" conducted in response to a project application brought to the CSC.[19] Both processes encourage the simultaneous consideration of a broad range of solutions to meet the energy infrastructure needs of the State.

Through a proactive RFP, the CEAB will periodically solicit projects including energy efficiency measures and distributed generation to meet Connecticut's needs as identified as part of the State's energy planning. Projects that best meet the needs and Preferential Criteria will be recommended by the CEAB to the CSC and other state permitting and funding agencies.

The CEAB will issue a Reactive RFP when an energy project, unsolicited by the CEAB, initiates the CSC permitting process. The CEAB will solicit alternatives to the proposed project, evaluate all proposals pursuant to the Preferential Criteria, and submit such evaluation to the CSC and other permitting and funding agencies.

[19] Conn. Gen. Stat. Sec. 16a-7c.

RFP Timeframes

The CEAB will conduct RFP Processes, whether Proactive or Reactive, in a 15-week period.[20] In that period, the CEAB will solicit proposals, evaluate the proposals according to the Preferential Criteria, and prepare a report to the CSC that describes the results of that evaluation. The RFP Processes are designed to be expeditious and to increase the efficiency of the overall permitting process in a way that advances State energy policy.

Once the CEAB issues a solicitation, whether Proactive or Reactive, the process will be conducted within a 15-week period (105 days), in two phases:

1) Proposal Solicitation: Proposals offered in response to an RFP must be submitted within 60 days.

2) Proposal Evaluation: Upon receipt of proposals in response to an RFP, the CEAB will evaluate the proposals received and prepare a report to the CSC within 45 days.

Preferential Criteria

The CEAB established infrastructure criteria guidelines known as the Preferential Criteria.[21] The CEAB's Preferential Criteria support and balance energy reliability, environmental and natural resource protection, cost effectiveness, and quality of life goals in the evaluation of energy projects. The Preferential Criteria provide guidelines for energy project proponents and for the CEAB in its evaluation of proposals received through the RFP Processes. The Preferential Criteria currently in effect are posted at: http://www.ctenergy.org/pdf/pc_12_01_04.pdf.

CEAB Evaluation

The CEAB's evaluation of the proposals received in response to an RFP will include an assessment of each proposal's conformance with the Preferential Criteria.[22] The CEAB evaluation will become part of the CSC record, and the CSC will consider all projects common to a CEAB RFP that apply to the CSC in a consolidated public hearing

[20] Conn. Gen. Stat. Sec. 16a-7c.
[21] Conn. Gen. Stat. Sec. 6a-7b.
[22] Conn. Gen. Stat. Sec. 6a-7b(f).

process.[23] The goal of the consolidated proceeding, as with the RFP Process, is to provide for the concurrent consideration of alternatives to meet the identified needs. The CEAB RFP Processes do not offer a power contract or financial assistance. The CEAB evaluation report will, however, include information other state agencies may consider when issuing permits or financial assistance to projects.

[23] Conn. Gen. Stat. Sec. 16-50o(d); Conn. Gen. Stat. Sec. 16-50m.