Renewable Energy Fund
A Program of the Rhode Island Economic Development Corporation

Rhode Island Economic Development Corporation
Renewable Energy Fund

REQUEST FOR PROPOSALS

Rhode Island State Energy Plan Technical Assistance

December 21, 2012

Program Opportunity # REF-RISEP-001

The Rhode Island Economic Development Corporation ("EDC"), administrator of the state's Renewable Energy Fund ("REF") is requesting consulting services through the following Request for Proposals ("RFP").

This RFP will be offered from December 21, 2012 – January 21, 2013. Final Proposals must be submitted no later than 2:00pm on Monday January 21, 2012.

Respondents must submit the following:

- A sealed package that includes one (1) hard copy original Proposal clearly marked as "ORIGINAL"; and
- An electronic version of the Proposal on a "thumb" drive or similar device.

Proposals should be mailed or hand delivered to:

Hannah Morini
Program Manager, Renewable Energy Fund
Rhode Island Economic Development Corporation
315 Iron Horse Way, Suite 101
Providence, RI 02908

Questions or clarifications regarding this solicitation must be submitted in writing and directed to REF@riedc.com. Questions must be received by Wednesday January 9, 2012. Any oral communication concerning this solicitation is not binding and shall in no way alter a specification, term or condition of this program or indicate any selection preference other than that identified herein. A Notification of Intention to Bid on this RFP is preferred but not required. Notifications of Intention to Bid should be sent by Wednesday January 9, 2012 to REF@riedc.com.

Responses to all questions received by EDC will be posted on EDC's website (see below) and Division of Purchases website (see below) by Tuesday January 15, 2013. The identities of those who submit questions will not be revealed.

Copies of this RFP are available on the following websites:

http://www.riedc.com/about/public-notices/rfp-rfq-rfi

http://www.purchasing.ri.gov

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SECTION I – INSTRUCTIONS & NOTIFICATIONS TO OFFERORS

- Potential offerors are advised to review all sections of this Request carefully and to follow instructions completely, as failure to make a complete submission as described elsewhere herein may result in rejection of the proposal.

- Alternative approaches and/or methodologies to accomplish the desired or intended results of this procurement are solicited. However, proposals which depart from or materially alter the terms, requirements, or scope of work defined by this Request may be rejected as being non-responsive.

- All costs associated with developing or submitting a proposal in response to this Request, or to provide oral or written clarification of its content, shall be borne by the offeror. EDC assumes no responsibility for these costs.

- Proposals are considered to be irrevocable for a period of not less than sixty (60) days following the date of the opening of sealed proposals, and may not be withdrawn, except with the express written permission of EDC.

- All pricing submitted will be considered to be firm and fixed unless otherwise indicated herein.

- Proposals misdirected to other locations or which are otherwise not present at EDC at the submission deadline for any cause will be determined to be late and may not be considered. The "official" time clock is in the reception area of EDC.

- It is intended that an award pursuant to this Request will be made to a vendor, which will assume responsibility for all aspects of the work. Joint venture and cooperative proposals will not be considered but subcontracts are permitted, provided that their use is clearly indicated in the Proposal, and the subcontractors proposed to be used are identified in the Proposal.

- In accordance with Title 7, Chapter 1.1 of the General Laws of Rhode Island, no foreign corporation shall have the right to transact business in Rhode Island until it shall have procured a Certificate of Authority to do so from the Rhode Island Secretary of State (401-222-3040). This will be a requirement only of the successful offeror(s).

- Offerors are advised that all materials submitted to EDC for consideration in response to this Request will be considered to be public records, as defined in Title 38 Chapter 2 of the Rhode Island General Laws.

- Offerors should be aware that EDC encourages offerors to meet the 10% participation goal of the State's Minority Business Enterprise program in its procurements.

- Interested parties are instructed to peruse the EDC and Rhode Island Department of Administration, Division of Purchases web sites on a regular basis, as additional information relating to this Request may be released, from time to time, in the form of an addendum to this Request. The EDC website is http://www.riedc.com/about/public-notices/rfp-rfq-rfi and the Division of Purchases website is http://www.purchasing.ri.gov.

- Equal opportunity and affirmative action toward its achievement is the policy of all units of Rhode Island state government, including all public and quasi-public agencies, commissions, boards and authorities, and in the classified, unclassified, and non-classified services of state employment. This policy applies in all areas where State dollars are spent, in employment, public service, grants and financial assistance, and in state licensing and regulation. For further information, contact the Rhode Island Equal Employment Opportunity Office, at (401) 222-3090 or visit the website at www.diversity.ri.gov/eeo.

SECTION II – CONTRACT FORM, TERM, & CONDITIONS

The term of the contract to be awarded as a result of this Request is to be a one (1) year term (although it is anticipated that the tasks described herein will be completed in approximately seven months). The contract term will begin on a date to be specified in the contract. Any vendor awarded a contract pursuant to this Request agrees that its Proposal is a firm agreement to provide

services at a stipulated rate to EDC. Those rates will be reflected in the response. The contract will be executed in the form of an engagement letter developed by EDC and a fully executed contract and will include standard provisions applicable to contracts entered into by EDC.

SECTION III – PROJECT BACKGROUND & SUMMARY

Prompted by the energy challenges and opportunities ahead for Rhode Island as the state transitions from an economy dependent on fossil fuels to a clean energy economy, Governor Lincoln Chafee has asked the Rhode Island Office of Energy Resources (OER) to make strategic energy planning a top priority. The OER has partnered with the Department of Administration, the Division of Planning, Cabinet leaders, the University of Rhode Island and the Rhode Island Economic Development Corporation (EDC) to develop an update to the Rhode Island State Energy Plan (RISEP) (hereafter "Plan").

The OER has formed a committed Project Team to spearhead the drafting of the Plan. The RISEP Project Team will work closely with an Advisory Council comprised of a dedicated group of 20 individuals reflecting a cross section of energy interests and sectors in the State. Stakeholder representation on the Advisory Council includes policymakers, regulators, utility providers, energy users, municipal representatives, environmental advocates, and industry.

The vision statement of the Plan is "to provide energy services across all sectors—residential, commercial & industrial, municipal, power generation, and transportation—using safe, reliable, affordable, environmentally sound, sustainable, and where appropriate, in-State resources". The Plan will draw upon the best available historical energy data and future projections; it will set measurable goals for transforming the energy system; and it will lay out an actionable implementation strategy for achieving success. Forecasts and recommendations of the Plan will cover a 10-year statutory time frame (2023), as well as a longer planning horizon out to year 2035.

The OER wishes to bring a rigorous, data-driven analysis to bear on the planning process in order to inform the selection of goals, policies and strategies for the State Plan. To this end, the OER has instructed the RISEP Project Team to gather and synthesize a wealth of historical data

regarding energy consumption, price, expenditures, and emissions in the state and then examine how business-as-usual energy policies would shape the future of the Rhode Island energy system across all sectors out to years 2023 and 2035. In order to make informed decisions regarding Plan goals, the RISEP Project Team and Advisory Council are seeking the services of an expert consultant team to identify, characterize and analyze a set of energy future scenarios that are consistent with the Team's directional objectives for Rhode Island's energy economy.

The OER has entered into a Memorandum of Understanding with EDC to manage the hiring of the consultant who will provide technical assistance with scenario characterization and modeling. The selected consultant will help to define scenarios and evaluate how well they meet the criteria spelled out in the RISEP vision statement. These criteria include estimated human, economic, and environmental impacts. The results of the modeling analysis will also be compared against a business-as-usual forecast in order to assess the benefits and drawbacks of different courses of action.

SECTION IV – SCOPE OF WORK

The EDC seeks to secure the services of an expert consultant team in order to assist in informing the development of the Plan. The selected vendor will: a) identify and develop a set of rational, justifiable policy scenarios designed to meet Plan criteria; and b) conduct detailed economic and energy modeling analyses to quantify how well each scenario meets the Plan criteria.

This analysis will inform the direction of the Plan, which aims to develop a comprehensive and coordinated strategy for providing energy services across all sectors of Rhode Island's energy economy consistent with criteria approved by OER. The criteria outlined in the Plan vision statement include: safety, reliability, affordability, environmental protection, sustainability, and geography. It is unlikely that any course of action will maximize all criteria simultaneously. Therefore, the RISEP Project Team and Advisory Council are seeking qualified candidates to assist in identifying and analyzing possible energy policy and development paths. The identification and analysis of alternative energy scenarios will be used by the RISEP Project Team and Advisory Council to compare and contrast policy and strategy options against the "business-as-usual" case and the Plan's criteria. Based on the results of the scenario analyses and

findings and recommendations of the selected consultant's report, the RISEP Project Team and Advisory Council will further define goals, policy recommendations and strategies for the Plan.

Respondents are encouraged to review other State Energy Plans for examples of scenario modeling/technical analyses. A couple representative examples are provided here:

- Connecticut (Technical Appendices): http://www.ct.gov/deep/cwp/view.asp?a=4120&q=500752
- Vermont (e.g. pages 39-48 of Volume II (51-60 in the pdf)): http://publicservicedept.vermont.gov/publications/energy_plan/2011_plan

The scope of work for this solicitation is described below and consists of six Tasks and their associated deliverables and/or services. Tasks 1 and 2 are provided for context but will be performed by the RISEP Project Team, the Advisory Council, and the contractor selected to prepare the baseline forecast. The outcomes of Tasks 1 and 2 will serve as inputs to the work of the vendor selected through this solicitation, and will be provided to the vendor by the RISEP Project Team. **Bolded tasks (Tasks 3 through 6)** will be the responsibility of the vendor selected through this solicitation. Tasks are listed here and described in further detail below:

1. TASK 1 – ESTABLISH DIRECTIONAL OBJECTIVES
   Refine criteria from RISEP vision statement into a set of directional objectives (RISEP Project Team and Advisory Council).

2. TASK 2 – SET BASELINE
   Develop a business-as-usual baseline forecast (separate vendor).

3. **TASK 3 – DEFINE SCENARIOS**
   Propose and characterize rational, justifiable scenarios comprised of a set of strategies for each sector of Rhode Island's energy economy considered by this Plan: electricity, thermal energy (including natural gas), and transportation (vendor awarded this solicitation).

4. **<u>TASK 4 – SCENARIO MODELING</u>**

   Recommend and execute a modeling analysis quantifying the degree to which each set of strategies meets the directional objectives of the Plan (vendor awarded this solicitation).

5. **<u>TASK 5 – RESULTS & TECHNICAL REPORT</u>**

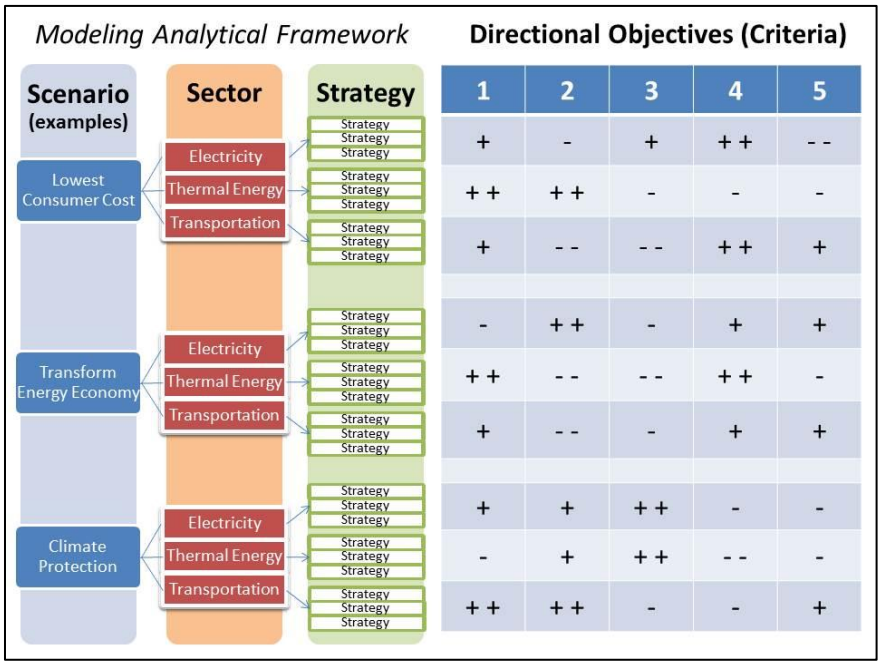
   Synthesize results of scenario modeling into a technical report (vendor awarded this solicitation).

6. **<u>TASK 6 – GUIDANCE & SUPPORT</u>**

   Provide guidance and support (vendor awarded this solicitation).

Figure 1 provides a graphical framework for the work to be conducted under Tasks 3-5.

Figure 1. Scenario Modeling Analytical Framework



1. TASK 1 – ESTABLISH DIRECTIONAL OBJECTIVES

The RISEP <u>vision statement</u> is the following: "In 2035, Rhode Island will provide energy services across all sectors—residential, commercial & industrial, municipal, power generation, and transportation—using safe, reliable, affordable, environmentally sound, sustainable, and where

appropriate, in-State resources". The RISEP Project Team will work with the Advisory Council to translate the Plan criteria for delivering energy services—safety, reliability, affordability, environmental protection, sustainability, and geography—into a refined set of cross-sector directional objectives for the State Energy Plan. Example directional objectives might include the following:

- Increase energy security through redundancy and supply assurance strategies
- Increase system reliability
- Increase the diversity of fuels used to provide energy services in different sectors
- Increase consumer choice and access to information to make informed energy decisions
- Lower energy costs in order to: a) increase the regional and global competitiveness of Rhode Island business and industry; and b) decrease economic impacts of energy costs on consumers
- Increase the amount of energy expenditure that stays in-State
- Increase employment
- Increase Gross State Product
- Invest in any demand resources that are cheaper than supply
- Lower greenhouse gas emissions
- Decrease the amount of harmful environmental consequences occurring over the lifecycle of any provision of energy services
- Increase the probability that the energy system could function in the same manner in any day in any future year as it does today

The RISEP Project Team and Advisory Council may choose to provide some boundary parameters in addition to these directional objectives to help guide the selected vendor in developing scenarios (Task 3), such as "No new fossil fuel or nuclear plants will be built in-State" or "Total (sum of all sectors) expenditure must not increase above the baseline forecast" or "Greenhouse gas emissions must drop". Project Team anticipates that about ten directional objectives will be formalized by the end of January and available to the selected vendor at the kick-off meeting.

Deliverables (to be completed by RISEP Project Team and Advisory Council): Final directional objectives.

2. TASK 2 – SET BASELINE

A business-as-usual ("BAU") forecast will be developed by a separate vendor out to years 2023 and 2035. Please reference the scope of work attached to this solicitation as Attachment 1. The BAU forecast will be developed for energy consumption, prices, expenditure and emissions. The forecast will be developed for the following sectors: residential, commercial, industrial, power generation, and transportation. Forecasted avoided costs will be provided. In addition to the baseline forecast, four additional scenarios based on various assumptions (e.g. high, low, volatile, or other conditions for demand and price) will be performed in order to assess sensitivity of forecasts. The RISEP Project Team anticipates that the results of the BAU forecast will be available to the selected vendor by mid-February.

Deliverables (to be completed by separate contractor): Final BAU results and documentation, and sensitivity analyses (5 scenarios total).

3. TASK 3 – DEFINE SCENARIOS

The selected vendor will propose and define three to five scenarios, or "alternative energy futures", representing paths that Rhode Island could take instead of the business-as-usual path. The scenarios will be composed of five to ten strategies at the policy and portfolio level for each of the three sectors of Rhode Island's energy economy that the Plan addresses: electricity, thermal energy (including natural gas), and transportation. A total of between 30 (3 scenarios x 3 sectors x 5 strategies) and 150 strategies (5 scenarios x 3 sectors x 10 strategies) could be proposed.

Scenarios will comprise a mix of supply- and demand-side strategies that might be used to provide energy services for each sector in Rhode Island by 2023 and 2035. The selected vendor will select strategies for each scenario based on achievable potential estimates, proven methods, industry best practices, and using a diversified approach. The development of scenarios may require research, data collection, and analysis to support assumptions.

The different scenarios should be designed to meet the Plan criteria and directional objectives set by the RISEP Project Team and Advisory Council. They will reflect the spectrum of choices faced by the State of Rhode Island regarding balancing human, environmental, and economic impacts of energy policy decisions. For example, it is likely that Rhode Island cannot minimize greenhouse gas emissions while simultaneously minimizing retail energy costs. Therefore,

scenarios will be weighted towards prioritizing, or maximizing, certain criteria over others. Using the example scenarios illustrated in the Figure 1 above, if the vendor chose to propose a Renewable Portfolio Standard (RPS) as one of the electric sector strategies, the following levels might be proposed for each of the sample scenarios:

- **Lowest Consumer Cost:** Modest increase in RPS
- **Transform Energy Economy:** Moderate increase in RPS
- **Climate Protection:** Aggressive increase in RPS

The strategies selected for each scenario may vary by degree (for example, 25% RPS versus 50% RPS), or entirely different strategies could be proposed for each scenario (for example, a carbon tax could be modeled under the climate protection scenario).

The development of the scenarios is anticipated to proceed according to the following process: The vendor will initially propose scenarios with qualitative strategies in consultation with the RISEP Project Team. The vendor will indicate the relative strength or weakness of each strategy related to each of the directional objectives (i.e. Plan criteria). Consequently, the vendor will prepare a PowerPoint presentation for an on-site meeting with the Advisory Council qualitatively describing the proposed scenarios and strategies and their key parameters and assumptions. Based on feedback from the Advisory Council, the vendor will then modify the proposed scenarios. Final scenarios and strategies, along with a document describing the assumptions for each scenario, will be approved by the RISEP Project Team.

Deliverables (to be completed by selected vendor): Initial consultation with RISEP Project Team, On-site PowerPoint presentation qualitatively describing proposed scenarios, strategies, and assumptions; Final scenarios, strategies and assumptions document.

4. TASK 4 – SCENARIO MODELING

The selected vendor will use a model(s) or other analytical method(s) to estimate the degree to which the scenarios developed in Task 3 meet each directional objective set by the RISEP Project Team and Advisory Council (see Figure 1). The modeling will also compare the energy, economic and environmental results for each scenario against the business-as-usual forecast developed in Task 2.

Modeling Requirements:

- **Capability to model all three energy sector areas:** The vendor should propose a model and analytic methods that can be applied to each sector of Rhode Island's energy economy addressed in the Plan – electricity, thermal energy (including natural gas), and transportation. If multiple methods are proposed, the vendor should specify which solution applies to which sector. Proposals addressing all three sectors are highly preferred.
- **Capability to analyze cross-sector impacts:** The proposed modeling methods must be able to address cross-sector impacts (e.g. electrification of the transportation sector).
- **Inputs:** The BAU forecast developed in Task 2 will be used as a baseline for the scenario modeling. The RISEP Project Team will work with the Advisory Council to determine which BAU forecast will be used to populate the model. As part of the sensitivity modeling, the selected vendor may be asked to perform sensitivities using the results from more than one of the BAU forecast scenarios developed in Task 2.
- **Outputs:** Model results should quantitatively illustrate opportunities, challenges, and tradeoffs between achieving the directional objectives chosen by the RISEP Project Team and Advisory Council. The model will do so by measuring appropriate metrics of human, environmental, and economic impact of each strategy from the scenarios developed in Task 3. Modeling solutions should be able to generate similar outputs as the BAU forecast, by fuel type and by sector: energy consumption, price, expenditure, and emissions. Models that can also quantify estimates of macroeconomic impacts such as employment or GSP are optimal. Other appropriate or useful environmental or economic indicators that can be modeled are desirable.
- **Sensitivity testing:** The model should have the ability to run sensitivity analyses on key factors, such as avoided costs or an accelerated growth case.

The scenario modeling is anticipated to proceed according to the following process: The selected vendor will apply the model to the finalized scenarios and strategies developed in Task 3. After an initial review of results with the RISEP Project Team, the vendor will present preliminary findings to the Advisory Council in PowerPoint format at an on-site meeting. The presentation will quantitatively describe the initial scenario results. Based on feedback from the Advisory Council and through an iterative process in coordination with the RISEP Project Team, the vendor will revisit scenarios making minor revisions or modifications to the strategies or assumptions and/or running sensitivity analyses. The revision process may include evaluating a

"blended" scenario option, combining elements of different scenarios. The consultant team should expect to conduct two rounds of revisions of such revisions. The RISEP Project Team will review and approve final results.

Informed by the scenario results, the RISEP Project Team will then work with the Advisory Council to select and recommend policy and strategies for inclusion in the Plan.

Deliverables (to be completed by selected vendor): Initial review of results with RISEP Project Team; On-site PowerPoint presentation quantitatively describing preliminary findings; Up to two rounds of revisions.

5. TASK 5 – RESULTS & TECHNICAL REPORT

The selected vendor will maintain ongoing documentation of the overall modeling process and submit a final technical report. The report will describe methodologies, assumptions, and model results with figures, charts, and graphics as appropriate. The results of the analysis described in the report will be referenced in the final RISEP document; and the report itself will be included as a technical appendix. Additionally, the selected vendor will be expected to provide modeling results for each scenario (set of strategies) to the RISEP Project Team in excel spreadsheet format (or other format as appropriate).

Finally, the selected vendor will prepare a PowerPoint presentation with charts and bullet points discussing key results of the scenario modeling, as well as an interpretation of the results as compared to the business-as-usual forecast. The vendor will deliver this presentation (of an approximate length of half an hour) at a public educational lecture organized through an ongoing parallel RISEP outreach and education initiative.

Deliverables (to be completed by selected vendor): Final technical report and Excel spreadsheet of model results for each scenario; On-site PowerPoint presentation at public educational event describing model results and comparing to BAU forecast.

6. TASK 6 – GUIDANCE & SUPPORT

Throughout this effort, the selected vendor will provide ongoing support and guidance to the RISEP Project Team with respect to explaining modeling capabilities to audiences within and outside the RISEP Project Team and Advisory Council, developing assumptions and scenario

specifications, and interpreting model results. This task covers this support, as well as presentation of the modeling results to the RISEP Project Team in conference calls and/or meetings if appropriate. For these calls and meetings, the selected vendor will prepare presentations in PowerPoint format showing and discussing key results and present to the RISEP Project Team and other parties as selected by the RISEP Project Team.

Services (to be provided by selected vendor): Ongoing guidance and support as needed.

SECTION V - PROPOSAL SUBMISSION & REQUIREMENTS

The Proposal must be submitted in the format described below, clearly labeling the sections as described. Please keep fonts to 11 point at a minimum and length of proposals to 20 pages at a maximum (1.5 line spacing) including all sections listed below:

- TITLE PAGE (1 page)
- LETTER OF TRANSMITTAL (1 page)
- OVERVIEW (1-2 pages)
- TECHNICAL PROPOSAL (4 pages minimum; 10 pages maximum including figures)
- QUALIFICATIONS & EXPERIENCE (about 3 pages)
- PROJECT MANAGEMENT & ORGANIZATION (about 2 pages)
- COST PROPOSAL (1 page)
- ATTACHMENTS (not counted toward page limit)

1. TITLE PAGE

Economic Development Corporation, "Rhode Island State Energy Plan Technical Assistance" Proposal, your company name, address, web site address, telephone number, fax number, e-mail address and primary contact person.

2. LETTER OF TRANSMITTAL

The Letter of Transmittal will be signed by an owner, officer, or authorized agent of the firm or organization, acknowledging and accepting the terms and conditions of this Request, and

tendering an offer to the EDC. The signature of the official with authority to sign a contractual agreement should be included.

3. OVERVIEW

The Overview will concisely lay out the offeror's understanding of the problem, describe their proposed approach to the work and explain how they are well suited to perform the tasks.

4. TECHNICAL PROPOSAL

Discuss your solution to the proposed scope of work. Include a description of your approach to each task. Provide information on how you intend to identify and define suitable scenarios and strategies. Present and clearly explain your proposed modeling technique(s) and methods. Please describe specifically your capacity to address each sector. Describe the versatility of your modeling approach in terms of outputs and specify how the proposed methods are best positioned to accommodate a robust comparison to the business-as-usual forecast outputs. Indicate your ability to complete the scope of work within the established timeframe and proposed schedule of deliverables/project milestones (see Section VII below).

Respondents are encouraged to provide an overview or documentation of the proposed model and a sample of analysis or work products that have been completed using the model. This particular documentation may be provided as an attachment not counting toward the overall page limit.

5. QUALIFICATIONS & EXPERIENCE

Please provide the following:

- **Company Profile**: Provide an overview of history, length of time in business, organizational and staff capacity, core competencies, and any other resources uniquely suited to recommending and implementing solutions to the scope of work outlined in this solicitation.
- **Relevant Experience**: Describe your experience with similar projects. Respondents familiar with the New England region are desirable.
- **Examples of Prior Work**: If possible, reference two or three examples of previous projects that best display your ability and experience with work of a similar nature and specify the role your firm played in each project.

- **Reference Information**: Provide names, addresses, telephone numbers and permission to contact two former or current clients for which your organization has performed work in the last three years.

6. PROJECT MANAGEMENT & ORGANIZATION

List all staff and/or subcontractors proposed as members of the project team and the tasks they will perform on the account. Describe their duties, responsibilities, and concentration of effort applying to each. Please include resumes, curricula vitae or statements of prior experience and qualification (these may be provided as attachments not counting towards overall page limit). An organizational chart showing roles and responsibilities on the project is desirable. The consultant team may include subcontractors; however, the prime respondent will be solely responsible for the management and work-products of the consultant team.

7. COST PROPOSAL

Please provide a signed Cost Proposal reflecting one, all-inclusive price for the scope of service. The anticipated budget range for this solicitation is approximately $100,000 to $125,000. Cost proposals with budgets above and below this range will be entertained. Cost proposals must provide a budget broken down by task as described in the scope of work included in this solicitation. Estimated travel costs and expenses should be indicated as a separate line item. Please also include the following, by task and for each staff and/or subcontractor proposed as members of the project team: estimated personnel hours, level of effort, hourly billing rates, other direct costs, and any other relevant information.

8. ATTACHMENTS

Please append the following supporting materials to the Proposal (these items do not count toward the overall page limit): 1) A completed and signed W-9 Taxpayer Identification Number and Certification Form, which is downloadable from the web site www.purchasing.ri.gov; and 2) A completed questionnaire signed by an owner, officer, or authorized agent of the firm containing answers to the questions in Attachment II of this solicitation.

SECTION VI – EVALUATION & SELECTION PROCESS

EDC will form a Review Committee, which will evaluate and score all proposals. Responses from qualified candidates will be reviewed and evaluated according to the criteria outlined below. The scoring criteria correspond to the different sections of the Proposal outlined in Section V.

Scoring Criteria	**Description**	**Possible Points**
Technical Proposal	- The quality of the Proposal demonstrates the candidate's ability to provide superior scenario characterization, modeling and technical support for the Rhode Island State Energy Plan - The proposed approach and modeling framework meets the needs and criteria set forth in the RFP	40
Qualifications & Experience	- The candidate has completed similar projects and is qualified to undertake the scope of work outlined in the RFP. - References and prior work demonstrate the candidate's ability to provide superior modeling analyses and technical support	20
Project Management & Organization	- Proposal shows clarity of team management structure, the availability of senior staff to supervise and contribute to the work, and ability to complete deliverables in a timely fashion	20
Cost Proposal	- The candidate submits a reasonable and competitive pricing structure commensurate with the value offered	20
Total		*100*

Only candidates submitting a Proposal in accordance with the criteria set forth above will be eligible for evaluation. Each submitted Proposal meeting the administrative requirements will be evaluated by the Review Committee and ranked from highest to lowest. Upon completion of the initial evaluation, candidates may be invited to participate in an interview phase of the selection process. However, EDC reserves the right to make a selection and award the contract based on evaluation of the proposals without conducting formal interviews.

EDC reserves the right not to award this contract or to award on the basis of cost alone, to accept or reject any or all proposals, and to make one or more awards as a result of this Request to one or more vendors. Proposals found to be technically or substantially non-responsive at any point in

the evaluation process may be rejected and not considered further. EDC reserves the right to reject any or all proposals submitted and/or to waive any non-conformity in any offeror's Proposal.

SECTION VII – TIMELINE

The following schedule describes the timeline for RFP release, Proposal submission and review, evaluation and selection of vendor(s), and Proposal award. The schedule also includes the estimated timetable for completion of tasks and deliverables as described in the scope of work included in this solicitation. Please note that this is a draft schedule. The RISEP Project Team reserves the right and latitude to modify this timetable if needed. Primary project milestones are bolded and are generally anticipated to be firm. It is expected that the project schedule will be reviewed and finalized at the Kickoff Meeting described in the schedule.

ITEM	DATE	ELAPSED	DELIVERABLE/SERVICE
RFP	2012 December 21		Request for Proposals release date
RFP	2013 January 9		Submission of questions on RFP due
RFP	2013 January 9		Notification of Intention to Bid (preferred)
RFP	2013 January 15		Answers to questions posted on EDC's website and Division of Purchases website
RFP	2013 January 21	1 month	Proposals due
RFP	2013 January 30		Finalists contacted for interviews (optional)
TASK 1 – ESTABLISH DIRECTIONAL OBJECTIVES	2013 January 30		Final directional objectives
RFP	2013 February13		Interviews complete (optional)
RFP	2013 February 19	1 month	Proposal award date
TASK 2 – SET BASELINE	2013 February 19		BAU results and documentation, and sensitivity analyses
n/a	**2013 February 26**	**Assume start**	**Kickoff Meeting**
TASK 3 – DEFINE SCENARIOS	**2013 March 26**	**4 weeks**	**On-site PowerPoint presentation qualitatively describing proposed scenarios, strategies, and assumptions**
TASK 3 – DEFINE SCENARIOS	2013 April 11	2.5 weeks	Final scenarios, strategies and assumptions document
TASK 4 – SCENARIO MODELING	**2013 May 16**	**5 weeks**	**On-site PowerPoint presentation quantitatively describing preliminary findings**
TASK 5 – RESULTS & TECHNICAL REPORT	**2013 July 3**	**7.5 weeks**	**Final technical report and Excel spreadsheet of model results for each scenario**
TASK 5 – RESULTS & TECHNICAL REPORT	2013 July 9	1 week	On-site PowerPoint presentation at public educational event describing model results and comparing to BAU forecast
TASK 6 – GUIDANCE & SUPPORT	Ongoing	n/a	Ongoing guidance and support as needed

ATTACHMENT I – BAU FORECAST SCOPE OF WORK

The ENE CLEAN Center will examine Rhode Island's future energy system in a business-as-usual scenario.

ENE will forecast annual energy consumption, prices, total expenditure, and greenhouse gas emissions through 2035, assuming no changes to existing energy policies or energy resources. ENE's analysis will draw on data from a range of sources including: the Energy Information Administration (EIA), Environmental Protection Agency, Independent System Operator of New England, and the Regional Greenhouse Gas Initiative. The forecasting analysis will be based on historical EIA price and consumption data, EIA Annual Energy Outlook (AEO) and New York Mercantile Exchange (NYMEX) futures market. Population data and forecasts and other State-specific data will be utilized in the forecasting model. ENE will review other regional energy forecasting studies, such as the Connecticut Integrated Resource Plan and the Synapse Avoided Energy Supply Costs in New England study and utilize them in the analysis where appropriate.

- The ENE will forecast a business as usual scenario for Rhode Island energy consumption, prices, expenditure and direct combustion-based GHG emissions for the following sectors and fuel sources:
  - Residential – Liquefied Petroleum Gas, Distillate Fuel Oil, Kerosene, Natural Gas and Electricity.
  - Commercial - Liquefied Petroleum Gas, Distillate Fuel Oil, Kerosene Residual Fuel Oil, Natural Gas and Electricity.
  - Industrial - Liquefied Petroleum Gas, Distillate Fuel Oil, Residual Fuel Oil, Natural Gas, Coal, and Electricity.
  - Power generation - Distillate Fuel Oil, Residual Fuel Oil, Natural Gas and Coal.
  - Transportation - Liquefied Petroleum Gas, E85, Diesel Fuel, Motor Gasoline, Jet Fuel Residual Fuel Oil, Natural Gas and Electricity.
- The analysis will include the impacts of the following existing state, regional, and federal policies:
  - Renewable Energy Standard
  - Least Cost Procurement
  - Distributed Generation Standard Contracts Act requirements
  - Long Term Contracting requirements
  - Regional Greenhouse Gas Initiative participation
  - CAFE Standards
- A scenario analysis will yield a range of forecasts based on different assumptions of prices and demand, which will be informed by the Annual Energy Outlook (AEO) reference and alternate cases. ENE will conduct 4 scenarios in addition to the baseline forecast. The parameters of these scenarios will be developed by ENE and approved by the URI and Office of Energy Resources project team.
- The final product delivered to the URI team will include a written report, data tables, and graphics.

ATTACHMENT II – QUESTIONNAIRE

1. Please certify that the firm is in compliance with Title 17, Chapter 27 of Rhode Island General Laws with respect to reporting of any contribution made to a candidate for public office in Rhode Island and Title 139 of Chapter 41, with respect to executive branch and public corporation lobbying.

2. Include a letter from your firm's managing partner or chief executive officer certifying that (i) no member of your firm made inquiries to the EDC with respect to this Request for Proposals other than in a written communication or email to the contact listed in the Request for Proposals from the date of the Request for Proposals through the date of your statement and (ii) that all information in your proposal (including the fee structure) is true and correct to the best of his/her knowledge.

3. Has your firm (or any principal) been subject to suspension, debarment, indictment or criminal conviction by the federal government, the State of Rhode Island or any other jurisdiction? If yes, please explain.

4. Please confirm that the firm will immediately disclose, in writing, to the EDC any potential conflict of interest or potential conflict of interest, which may occur during the course of the engagement authorized pursuant to any contract awarded under this Request. If, as of the date of submission, the firm is aware of any conflict of interest or potential conflict of interest, please explain.

5. Please certify that the firm understands that falsification of any information herein or failure to notify the EDC may be grounds for suspension, debarment and/or prosecution for fraud.

6. Please certify that the firm acknowledges that the answers and certifications set forth in this questionnaire apply to any contract arising from this Request.

7. Has the firm ever filed for bankruptcy protection or been in receivership? If so, please explain.

8. Is the firm delinquent on the payment of any taxes, whether they be state, local, or federal?

9. Has the firm within the past five years hereof been debarred from or otherwise restricted in submitting proposals to any governmental or quasi-governmental entity? If so, please provide particulars.