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2009

Rhode Island Renewable Energy Fund Application Materials

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Rhode Island Economic Development Corporation

Building the 21st Century Innovation Economy

Rhode Island Renewable Energy Fund Application Materials

Rhode Island Renewable Energy Fund Submission Instructions

Applications should be sent to the following:



Please submit applications online (in an email attachment) to jpaolino@riedc.com

If you are unable to submit an electronic application, send applications to:

Rhode Island Economic Development Corporation Attn: Jennifer Paolino 315 Iron Horse Way, Suite 101 Providence, RI 02908

If you have any questions, please contact Jennifer Paolino, Program Manager for the Renewable Energy Fund at 401-278-9126 or email us at jpaolino@riedc.com

- Interested parties are requested to notify the RIEDC of the intention to apply to the Renewable Energy Fund as soon as possible prior to submitting the application by emailing jpaolino@riedc.com or calling 401-278-9126.
- Read and review the REF Rules and Regulations before completing this application. A copy of the proposed Rules may be obtained by mail or email by calling 401-278-9126, or may be accessed online at: http://www.riedc.com/about/public-notices/draft-regulations
- Include an executive summary with your proposal. (Keep it concise: no more than two pages.) Do not handwrite the application. Only typed proposals will be processed.
- Use the "Application Submission Checklist" included in the instructions to properly prepare and complete your submission. Submit a copy of the checklist with the grant application and keep a copy for your records. If you would like to submit materials in addition to the application, please do so in an email attachment to jpaolino@riedc.com. If you would like to submit materials that you cannot put in an email attachment (i.e.: construction plans etc.) please mail them to the RIEDC at the address listed above.
- All records (documents, correspondence, memoranda, etc.) of the RIEDC and the REF are public records unless they fall into an exception. "Trade secrets and commercial or financial information obtained from a person, firm, or corporation, which is of a privileged or confidential nature" are not public record. Accordingly, any proprietary business information (customer lists, processes, etc.) or financial information that is confidential must be clearly marked as such by the submitting party. A legend or marking such as "Commercially protected, privileged and confidential information -- Not Public Record" should be used on any such information.

Rhode Island Renewable Energy Fund Frequently Asked Questions

1) Who is eligible for REF financing (grant, loan, recoverable grant, etc) and which types of projects will be considered?

Any municipality, non-profit organization, or a legal business entity (sole proprietorship, partnership, corporation, limited liability company), or a combination of the previously listed organizations are eligible for a REF grant, as long as the project directly benefits the State of Rhode Island. Applications can be submitted for any type of facility including but not limited to manufacturing facilities, office buildings, multi-unit residential properties, retail operations, healthcare facilities, educational institutions, public buildings, and farms.

2) What is the mission of the REF?

The REF, created by legislative statute in 1996, is dedicated to increasing the role of renewable energy supply in Rhode Island's electricity supply. The fund is managed by the Rhode Island Economic Development Corporation and provides grants, loans, and other financing options to renewable energy projects that have the potential to make electricity in a cleaner, more sustainable manner and stimulate job growth in the green technology and energy sectors of Rhode Island's economy.

3) Which renewable energy sources will make a project eligible for funding?

Renewable-energy systems eligible for support from the REF include facilities in the New England Power Pool (NEPOOL) control area that generate electricity, both off-grid and on-grid using as fuel "eligible renewable energy resources" pursuant to Rhode Island general law. This includes solar, wind, energy produced by movement or the latent heat of the ocean, hydro and eligible geothermal, biomass and fuel cells. Solar-thermal systems (including solar space-heating systems) are eligible if installed on low-income housing projects certified by the Rhode Island Housing and Mortgage Finance Corporation as serving low-income RI residents. Projects and activities directly related to implementing eligible renewable-energy projects in Rhode Island also are eligible.

4) What is the maximum size of a REF grant?

The maximum size of the REF grant depends on the type of grant submission. Approximately \$1.0 million per year is designated for municipal projects which are capped at \$500,000 per award. Approximately \$200,000 is designated for affordable housing projects which are capped at \$100,000 per award. Approximately \$200,000 per year is designated for pre-consultant and technical feasibility studies. There is no funding cap for these projects. However, recipients that have previously received funding from this program are ineligible to apply for additional funding for technical feasibility and consulting studies. Grant recipients are eligible to apply to other uses of the Renewable Energy Fund as well as other funds administered by RIEDC. The maximum funding for all other projects is capped at \$750,000; the maximum funding per project is up to \$250,000 annually.

5) When are the deadlines for submission of applications?

Applications for municipal projects, affordable housing projects, and pre-development consultant and technical feasibility projects that are received by March 31st will be notified of the Corporation's decision by June 30th of that same year; applications that are received by September 30th will be notified by December 31st of that same year.

All other projects will be reviewed on a rolling basis. Once submitted, REF will conduct a competitive evaluation process that takes approximately 90 days.

Rhode Island Renewable Energy Fund Checklist

This checklist is provided to help ensure a complete proposal. Please submit a copy with the grant application and keep a copy for your records. An incomplete application will not be processed.

⊠ Section I: Checklist

Please submit a copy of the checklist with the grant application and keep a copy for your records. Applications submitted without the checklist will not be processed.

Section II: Executive Summary (two pages maximum)

Include the purpose of the grant request and a brief description of how the request fits with the REF's mission and priorities.

Section III: Application

Application Questions	Yes	No	N/A
1. Type of submission	\boxtimes		
2. Type of application	\boxtimes		
3. Type of funding			
4. Renewable energy source	\boxtimes		
5. Date submitted	\boxtimes		
6. Applicant information			
 a) Name of organization b) CEO / owner of organization c) Address d) Legal structure of organization / fed tax ID e) Project manager's name and contact info 			
7. Proposed project			
a) Construction start date b) Operating start date c) Beneficiary or area served d) Total project cost and total amount e) Check boxes f) Project description g) Technical feasibility h) Impact on the state of Rhode Island i) Anticipated renewable energy produced j) Economic development benefits k) Time to market l) Project management capabilities			
8. Facility information			
a) Name of project facilityb) Facility typec) Site information			

d) Site suitability		
e) Site control		
9. Utilization of funds		
a) Purposeb) Financial viabilityc) Budget summaryd) Optional explanation of budget		
10. Evaluation of successes (a-d)		
11***. Pre-development checklist (Note: Only applicable to pre-development consultant and technical feasibility program applicants)		
12. Understanding of deadline / signature		

Section IV: Attachments (optional – if included please list them below)

- □ Letter of intent from the participating municipalities
- □ Letter of intent from Roger Williams University
- ☐ Town of Bristol Ballot Referendum 2006
- Survey of Preferences Town of Bristol / Portsmouth / Warren
- X Wind Map
- X Two Sampling of Consultant Proposals
- X Roger Williams University Marine Affairs Proposal

1. Type of Submission Municipal Program Non-Profit Affordable Housing Program Pre-development Consultant and Technical Feasibility Program (If this box is checked, please fill out sections 1-6(e) as well as sections 9-12) *Other (please specify): Municipal consortium: including: East Providence, Barrington, Warren, Bristol, Portsmouth, Tiverton, Little Compton, Middletown and Newport in partnership with Roger Williams University	2. Type of App New Applic **Renewal **If Renewal, p date and amoun REF grants	cation lease indicate	3. Type of Fund Solar Wave / Wat Wind Other (please	e Grant se specify): Energy Source
5. Date Submitted: March 30, 20	009			
6. Applicant Information				
a. Name of Organization:				
East Bay Energy Consortium (I	•			
b. CEO / Owner / Executive/Director	•			
Town of Bristol, acting as lead c. Address	municipality for	EBEC; Diane C	C. Mederos, Tow	n Administrator
Street 1: Bristol Town Hall				
Street 2: 10 Court Street				
City: Bristol		State: RI		Zip: 02809
d. Legal structure of the organization (municipality, non-profit, corporation, partnership etc.) Municipality Federal Tax ID#: 056000040				
e. Name and contact information of person to be contacted on matter involving this application:				

RIEDC Use Only Date Received by RIEDC: Initials:

Prefix: Ms.	First Name: Diane Mi		Middle Initial:		
Last Name: Williamson					
Phone: 253-7000 ext. 126 Fax: 253-1570 Email: dianew@bristolri.us					tolri.us
7. Proposed Project a. Construction Start Date: TBD b. Operating Start Date: TBD c. Beneficiary or Area Served: East Bay communities of Rhode Island d. Total Project cost: \$200,000 Total amount requested from the Renewable Energy Fund: \$140,000. e. Check boxes below:					
Will the project be able to s grants?	upport low	interest loans and/or recover-	able	YES	NO 🗵
If the project is a <i>municipal</i> project: does it involve partnering of one or more municipalities and or partners?			Providence Warren, Br Portsmouth Compton, I Newport in	NO Se specify: East e, Barrington, istol, n, Tiverton, Little Middletown, and partnership with ams University	
zoning requirements that encourage renewable energy projects? N/A			YES N/A If yes, pleas	NO e specify: TBD	
If the project is a non-profit affordable housing project:					
How many housing units wi	ill be create	ed?			N/A
How many housing will be directly supported by the renewable energy installation?				N/A 🔀	
f. Project Description: The East Bay Energy Consortium is a voluntary collaboration of the nine cities and towns of the East Bay region of Rhode Island, in partnership with Roger Williams University. The participating cities and towns wish to pursue a formalized feasiblity study which would address legal and technical issues, and would provide a snapshot of those sites within this geographic region which may hold promise for wind-based energy production. It is the first two phases of a three phased project with the ultimate goal of building a regional wind energy system.					

Phase 1 includes Task 1 and Task 2

Task 1 - Pre-Feasibility Study

The objectives of this pre-feasibility study are to enable the group to make an initial "Go" or "No Go" decision for proceeding with a detailed feasibility study at a particular site location. The pre-feasibility Study is a fatal flaw analysis to determine if further study, and costs, is warranted at a potential wind turbine location (candidate site). To accomplish these objectives, the consulting firm would assemble and evaluate readily available information and apply their experience to identify significant obstacles or challenges in the overall project concept. The scope of services will consist of a review of the published data, information furnished by the EBEC, as well as a preliminary review and assessment of a number of factors significant to the overall success of the project. These factors will include:

- Wind turbine siting considerations and constraints;
- Available wind resources, based on wind data available in the public domain;
- Facility electrical consumption (current and proposed) and cost;
- Preliminary electrical interconnection requirements;
- Environmental impacts and permitting requirements; and
- Preliminary project economics for potential turbine development.

At the conclusion of the evaluation, they will prepare a written report containing a brief analysis for each of the factors listed above. In addition, the report will provide an opinion regarding the overall viability of the project, and a recommendation for future activities. They will also be prepared to meet with the consortium and discuss the report and recommendations.

Task 2 – Detailed Feasibility Study

Task 2 will prepare a detailed feasibility study. The scope of work will include a detailed technical and economic feasibility. An outline of the subsequent report contemplated for this effort will include the following:

Project Kick-Off Meeting

Technical Assessment

Wind Resource Assessment

Turbine Screening

Energy Production Estimates

Turbine Siting Considerations

Foundation Requirements

Access and Constructability Assessment

Electrical Connection and Integration Assessment

Permitting Requirement

Local

State

Federal

Environmental Impacts

Avian Risk

Noise Modeling

View Shed Impact (Photo Simulations)

Economic Assessment

Project Cost Estimates

Equipment Cost

Construction Cost

Operation and Maintenance Cost

Insurance Cost

Financing Cost

Project Revenue Estimates

Electricity Production

Renewable Energy Certificates

Production Tax Credits

Available Financial Incentives

Project Ownership Options

Estimated Project Revenue and Cash Flows

Calculation of Key Figures of Merit

Net Present Value

Internal Rate of Return

Simple Payback

Benefit to Cost Ratio

Annual and Cumulative Cash Flow Analysis

DRAFT Report - Presented for EBEC review and comment

FINAL Report – Presentation of key findings

PHASE 2 will include Task 3 and Task 4

Task 3 will develop the legal structure of the East Bay Energy Consortium

Task 4 will develop legislative issues

The East Bay Energy Consortium will work with Roger Williams University Law School by contracting two law (fellows) students who will identify, explore, and lay the ground work for addressing the regulatory and legal issues. They will act under the supervision of an attorney working with the EBEC. We will also work with State Legislators, the Public Utilities Commission and the National Grid to develop policies and law which will support energy use by the EBEC.

PHASE 3 will be the construction of multible wind turbines

Salary Range

g. Technical Feasibility (Please provide documented evidence of technical ferenewable energy technology):	easibility for the proposed
Within the East Bay region, the Town of Portsmouth has shown leadership wit energy production with the use of wind turbines. By partnering with Roger W Bay Energy Consortium will enjoy access to the considerable expertise of facustudents to assist with data collection.	illiams University, the East
h. Impact on the State of Rhode Island (Please explain how the project will hand sound development of renewable energy resources in Rhode Island, exproject, and other non-quantifiable benefits such as fostering awareness, p	nvironmental benefits of the
With a reduction in state aid to cities and towns, and other economic preand town budgets, the use of wind-based energy production holds the proenergy expenditures, reducing vulnerability to price increases for energy, energy producing methods which may be harmful to the environment. This well help other regions of the state gain insights as to ways geographically can cooperate for the sake of creating efficiencies and reducing expenditus consortium will directly benefit cities and towns that may not have appropring participating with those communities that do have beneficial winds. This can awareness and act as a model throughout the State and region.	mise of reducing municipal and reducing reliance on s regional approach may contiguous jurisdictions ires. The formulation of a iate sustainable winds by
i. Anticipated Renewal Energy Produced:	
i. Technology (solar, wave, wind etc):	wind
ii. Anticipated Facility Size (ex: kW) and Configuration (Ex: # of Turbines, solar panels, etc.):	TBD
iii. Estimated Energy Produced / year (kWhr / yr):	TBD
iv. Estimated Cost / kW:	TBD
v. Estimated # of RECs produced / yr:	TBD

- j. Economic Development Benefits (please identify all economic development aspects of the project including but not limited to what is listed below):
 - i. Identify the number, type and salary ranges or permanent and construction jobs directly created by the project.

Type of Job Created Number of Jobs Location

				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
				\$
ii. New Rhode Island Sales Tax Doll	ars Generated	l by Project:	\$	
iii. New Rhode Island Income Tax D	ollars Genera	ated by Projec	t: \$	
iv. Other (please specify):				
k. Time to Market (Define Key Tasks and	d decision poi	ints in your pr	oject and a schedule for ach	ieving them.
Complete the chart Below, and / or attach	n maps, graph	s, charts, etc.	that demonstrate project mil	estones):
Task Description	Start	Complete	Deliverable / Options	Due Dates
REQUEST FOR QUALIFICATIONS	APRIL 2009		PRE-QUALIFIED CONSULTANTS	JUNE 2009
REQUEST FOR PROPOSALS	JUNE 2009		UPON RECEIPT OF GRANT	
ADVERTISING OF BID PACKAGE	JUNE 2009		3 WEEKS ADVERTISING PER TOWN ORDINANCE	JULY 15 2009
AWARDING OF CONSULTANT FIRM	JULY 2009			
PRE- FEASIBILITY STUDY	JULY			SEPT.

PHASE 1	2009			2009
DETAIL FEASIBILITY STUDY PHASE 2	SEPT 2009			SEPT. 2010
1. Project Management Capabilities (Fincluding bios of key project personne description of the firm or team of firm of the team's project experience and a	l from any firm s and their exper	or team of firn rience with sim	ns involved in the property in the property includir mpleted projects iden Experience (Completed	oject as well as a neg brief descriptions
Key Project Personnel	Fin	rm	Projects)	project)
DIANE WILLIAMSON	TOWN OF Bl director of con development		16 YEARS	
WALTER BURKE	TOWN OF BRISTOL director of parks and recreation		15 years	
JOE DEPASQUALE	TOWN OF WARREN town councilman			
CAROLINE WELLS	TOWN OF W town planne			
PETER WILBUR	ROGER WILL			
	Vice Preside	nt		
8. Facility Information			•	
a. Name of Project Facility: East Ba	ay potential site	es		
b. Facility Type (Check Box for Appr	opriate Facility	Type)		
Public: State agency but	ilding, municipa	l building, sch	ool, etc	
Commercial: Retail, off warehouse, large fa		rise housing, n	ulti-family residentio	al development,
☐ Industrial: Manufacturi		ervices, etc.		
☐ Institutional (private):	University, muse	eum, private so	hool, not for profit, e	etc.
Other (please describe):				

c. Site Information				
Plat:	Lot(s):	Cens	us Tract:	
Facility Street Address:		City / Town:		
State:		Zip Code:		
Turbine proposed latitude/longitude (wind projects only: specify coordinate type):		If the applicant is differed from the project owner, please summarize the type of arrangement:		
Electric Utility Service Pro	ovider and Rate Class:	Average Annual Retail Ele and Peak Electricity Demo Facility:		
d. Site Suitability:				
Respond for all approvals	/ surveys that are required fo	r development:		
Zoning	Approved Expected Date: Zoning revisions pending in Bristol other communities are also in process This will be addressed during th feasibility study		□Not Applicable	
Historic:	Approved Expected Date:		☐Not Applicable	
Planning / Subdivision:	Approved Expected Date:	☐ In Process	☐Not Applicable	
Phase 1 Environmental Survey:	Approved Expected Date:	☐ In Process	□Not Applicable	
Describe the suitability of the p information on the site's physic impact and capacity:				

e. Site Control (Check off the status of necessary site control and attach verification when applicable)					
Already Owned Veri	fication Attached	☐ In Process	Not Applicable	Expected Date: TBD	
P&S Agreement	fication Attached	☐ In Process	Not Applicable	Expected Date: TBD	
Option	fication Attached	In Process	Not Applicable	Expected Date:	
Other (please specify):					
☐ Veri	fication Attached	☐ In Process	☐ Not Applicable	Expected Date:	
9. Utilization of Funds					
a. Summarize the purpose of	f your request, start	ting specifically ov	wn this financing will b	e used:	
This funding will be used to Bay Energy Consortium to to provide an overview of p	omplete a feasiblity	y study which will	include both legal and	technical issues, and	
b. Financial Viability (Please list all private and public funding sources for this particular request. If some work has already been completed on your project and you are requesting funding for an advanced phase, submit information sufficient to demonstrate that the preceding phases are satisfied and funding for an advanced phase is warranted):					
Funding Sources (Confirmed and Pending)	<u>Dollar</u> <u>Amount</u>	<u>Date</u> <u>Received</u>	Expenses / Uses of Funding	Status? Confirmed / Pending	
EBEC budget allocations	\$ 8,000	TBD	pay consultant	C 🛛 P	
EBEC in-kind	\$ 52,000	TBD	assist consultants and data collection	C 🛛 P	
RI Renewable Energy Fund	\$ 140,000	TBD	Consulting firm	C □ P⊠	
	\$			C P	
	\$			C P	
-	\$			C P	
	\$			C P	
	\$			C P	

Total REF funds: \$\$140,000

Total all other funds: \$60,000

Total project funds: \$200,000.

c. Financial Summary

Operational Budget: Fiscal Year Ending: 2010 Expenses: \$. Revenue: \$.

d. OPTIONAL If you feel elements of your budget require explanation, please do so in a brief narrative:

Each of the participating communities will be contributing both financial as well as in kind services. Roger Williams University will supply facility and students to contribute their expertise and technical support to this project.

10. Success Metrics:

a. Discuss how you plan to monitor the project and keep the Corporation informed of the status:

RWU staff will coordinate monthly meetings of the EBEC, to be attended by designated individuals from each Consortium city and town. EBEC will then split out its activities into three workgroups:

The Site Location Workgroup will serve as the liaison between the project consultant and EBEC and will report out findings to EBEC through RWU staff.

2.

The Legal / Legulatory Workgroup will supervise the fellows from Roger Williams University in identifying potential legal issues that may arise and locating attorneys experienced with structuring governmental consortia, property acquisition and public utilities.

3.

The Finance Workgroup will locate and pursue funding sources for the next phases of EBEC's work.

Each of these workgroups, along with the project consultants, will contribute to a monthly report updating the Corporation of benchmarks achieved and the next steps in the feasibility analysis.

b. Explain how you will measure the effectiveness of the project:

The effectiveness of the project will be measured by:

the number of potential suitable sites for shared wind energy;

the number of financial, technical and legal issues identified and resolved; and

•

	. 1
the creation of a consortia structure and plan for the ne	xt pnases of action.
c. Describe you criteria for success:	
Because EBEC is a new organization pursuing the criterion for success is the ability of the group to suppreparing for the legal and financial challenges of	tay focused on the goals of the analysis while
d. Describe the results you expect to achieve by the en	d of the funding period:
, ,	•
EBEC expects to complete a feasibility plan that we energy to impact local government energy expensions the process of shared energy exploration to offset and will contribute to a greener economy and a clehowever, is the development of a collaborative moinformation and advocate collectively. EBEC hope other municipalities pursuing shared wind energy.	les. Achieving this goal will enable EBEC to begin increasing costs by utilizing renewable energy eaner environment. Perhaps as important, odel for governments to share resources,
11. *** Only Pre-development Consultant and Tech	nical Feasibility Program Applicants
11. *** Only Pre-development Consultant and Tech	
Please provide the following supplements to the application	ation:
Please provide the following supplements to the application. A copy of the contract outlining the work scope and objectives (only fixed contracts will be considered).	Attached (please check off before submission)
i. A copy of the contract outlining the work scope and objectives (only fixed contracts will be considered). ii. Information on the consulting firm including a description of the experience with similar	ation:
Please provide the following supplements to the application. A copy of the contract outlining the work scope and objectives (only fixed contracts will be considered). ii. Information on the consulting firm including a	Attached (please check off before submission)
i. A copy of the contract outlining the work scope and objectives (only fixed contracts will be considered). ii. Information on the consulting firm including a description of the experience with similar	Attached (please check off before submission)
i. A copy of the contract outlining the work scope and objectives (only fixed contracts will be considered). ii. Information on the consulting firm including a description of the experience with similar assignments and client references. iii. A list of committed funding source(s) other than the REF for the proposed project.	Attached (please check off before submission) Attached (please check off before submission)

By signing this application, I attest under penalty of perjury the information contained in this application is true and accurate, on behalf of the applicant.	•
Signed:	Date:
Print Name:	-