

Community Renewable Energy Grant Program

Planning Application

Section 5: Stakeholder Consultation

5.1 Please describe the consultation with regional stakeholders and community groups, and any additional community engagement process as part of developing the planning grant application. *

Please answer below in detail and attach any supporting materials at the bottom of this page

A group of citizens began discussing possible energy resilience projects during the January, 2024, extended power outage. After power was restored, the group contacted the mayor of Depoe Bay to gauge the City's interest in such a project. The topic was put on the agenda of the next City Council meeting and the Council gave unanimous consent pursue this and other grants to enhance the resilience of electrical power sources within the City. Membership on the task force is open to any resident of Depoe Bay, and the task force is actively recruiting representation from local business owners and other residents.

A Town Hall was held at the Depoe Bay Community Center on April 4, 2024, with about 50 residents and representatives from the Lincoln County Council, the Lincoln County Sheriff's Department, and the Depoe Bay Fire District in attendance. The plan for this grant application and subsequent activities was presented. A brief tutorial on hydrogen fuel cells and wave power was also presented. The residents in attendance were supportive of the City's efforts; no negative feedback was forthcoming.

5.2 Select the electric utility that serves the building/infrastructure that supports this renewable energy system.

Local Electric Utility

Central Lincoln People's Utility District (PUD)

Local Gas Utility (if applicable)

Northwest Natural Gas

5.3 Describe the required consultations with the electric utility that ensured the feasibility of the renewable energy project. The utility must have customers in the communities covered by the renewable energy project. *

A letter or documentation of utility consultation may also be uploaded at the bottom of this page.

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Section 6: Project Description

Eligible community energy resilience projects must utilize one or more renewable energy systems to support the energy resilience of structures or facilities that are essential to the public welfare.

6.1 Project Site Location

Site Street Address

570 SE Shell Ave

Site City

Depoe Bay

Site State

OR

Site Zip Code

97341

Site County

Lincoln

6.2 Project Latitude and Longitude

Site Latitude (if known)

Site Longitude (if known)

6.3 Briefly describe the location of this proposed renewable energy system. If the project covers multiple areas or facilities, please enter the main location information above and enter additional site addresses in this text box with labels (site 1, etc.). *

Note: A map or satellite photo from Google Earth, GIS or similar representation indicating the scope and boundaries of the proposed renewable energy system may aid project evaluation (Please attach any supporting documents using the Upload Files button below).

The project is located at City Hall, within the city limits of Depoe Bay, OR. City Hall is the priority for this planning grant because it houses the Emergency Operations Center, the Communications Center, most of the cache of emergency food and supplies, and has room to house people if necessary.

6.4 Please provide a summary overview of the project concept. Include technologies, major components, configuration and use. Include descriptions of any engineering studies or calculations and planning already done. *

Please answer below in detail and attach any supporting materials at the bottom of this page.

The primary backup power will either come from a set of batteries or hydrogen fuel cells – we are currently exploring both options and the proceeds from the grant will help us choose the best long term solution. The green energy source will either charge batteries or power an electrolyzer to generate hydrogen, and will likely be a set of vertical wind turbines possibly combined with a solar array. This arrangement does not depend on the constant availability of wind or sunshine. The system will be sized to enable continuous power for up to two weeks, with recharging or hydrogen generation. The system will make use of microgrid technology to isolate City Hall from the grid when power is being supplied by the system.

6.5 If the community renewable energy project will add capacity to or be paired with an existing renewable energy system, provide a description of the existing renewable energy system.

N/A

6.6 What technologies are under consideration for this proposed system?

Select all that apply.

Renewable Energy Technology

Energy Resilience Technologies

Other technologies considered.

Energy resilience will be provided by batteries, hydrogen fuel cells, or both. Green energy (wind and/or solar) will be used to recharge batteries or generate hydrogen.

6.7 What is the planned renewable energy resource(s) for this project? If known, include the levels of supply for the energy source and information from any resource assessments that have been completed. *

CREP-Resource-Assessment-Guide.pdf (oregon.gov)

(<https://www.oregon.gov/energy/Incentives/Documents/CREP-Resource-Assessment-Guide.pdf>)

We plan to use wind and/or solar. The grant proceeds will fund the studies necessary to make the final determination, although we expect that wind is much more feasible given our geography and location on the Oregon Coast.

6.8 Please describe the market for the energy produced by the system. *

Please answer below in detail and attach any supporting materials at the bottom of this page

The energy produced by the system will be used exclusively for backup power when power from the grid is unavailable.

6.9 If known, state the anticipated nameplate capacity in kW. *

If unknown, enter "unknown"

Unknown

6.10 If known, enter the anticipated storage nameplate power in kW and capacity in kWh.

If unknown, enter "unknown" or "N/A" for renewable-only systems

Unknown

6.11 Please describe how the community renewable energy project would support the energy resilience of structures or facilities essential to the public welfare. Include how the energy resilience will be increased and the energy resilience benefits the project will bring. *

(Any documents supporting the answer entered here may be uploaded at the bottom of this page).

* Please review the definitions in OAR 330-250-0010(3)(4)(5)

(<https://secure.sos.state.or.us/oard/viewSingleRule.action?ruleVrsnRsn=286899>) before answering

Our goal is to provide backup power to City Hall supported by green energy technologies. City Hall is the main emergency operations center for the City of Depoe Bay (the "applicant") and contains caches of food and supplies, communications facilities, and gathering space.

6.12 Please describe how the system will connect or transmit energy to the community identified in the application. *

Please answer below in detail and attach any supporting materials at the bottom of this page

The system will provide backup power through a direct connection to the City Hall campus. It will be isolated from the grid, so no interconnection is required.

6.13 Describe the community building(s), infrastructure or other community assets that will benefit from the proposed system. *

The City Hall campus includes City Hall, and two outbuildings in close proximity (20 feet or less) to City Hall. All are currently served by a single electric meter.

6.14 Describe any prior investments in energy efficiency measures at the project location or how, if at all, the proposed project will result in aggregate improvements to demand response capabilities. *

Evidence may include utility or Energy Trust of Oregon project documentation or finance statements demonstrating investments and may be uploaded below. (Please answer below in detail and attach any supporting materials at the bottom of this page). (Opportunity for additional scoring under Competitive Review)

During the January, 2024 power outage, the City was unable to provide any services to its residents, including shelter. This system will all City emergency operations to assist residents and visitors by providing shelter, food, and a place to charge electronic devices. This plan is a direct response to feedback received from the community after the outage. In that sense, it will reduce the need for emergency power restoration on the part of the local utility, allowing them to focus their resources elsewhere.

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Section 7: Project Plan

If awarded a grant under this program, the planning project must produce a complete project development plan document for a renewable energy system(s) within 6 months of executing a performance agreement.

7.1 Is this project expected to result in a proposal for developing a community renewable energy project? *

Yes

7.2 List planning team members, their roles and lines of authority, and their experience with similar planning projects.

Joe Cannon, Director, Depoe Bay Green Energy Task Force

Scott Whitmire, Deputy Director, Depoe Bay Green Energy Task Force

David Maguire, Task Force Member

Rheama Koonce, Task Force Member

Greg Steinke, Task Force Member and Little Whale Cove Board Member

Randy Kollars, Task Force Member

7.3 Below, please provide the following in order: *

1. Anticipated planning project Start Date
2. Anticipated planning project Completion Date
3. List planning project Milestones along a six-month timeline

The project will start when funds are available from the grant proceeds, but here is the timeline. Engineering firms have already been contacted and are on board ready to go. Here is the timeline:

Month 1: City Council approves contracts for engineering consulting
Consulting work starts
Green Energy Task Force members continue work on:
Community involvement
Updates for public and City Council
Work with engineers

Month 2-4: Consulting work continues
Green Energy Task Force members continue work on:
Community involvement
Updates for public and City Council

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Section 9: Finances

9.1 Anticipated Total Cost for Planning and Design *

Please provide the anticipated total cost of the planning and design of the proposed renewable energy system

\$60,000

9.2 Total Plan and Design Grant Request Amount *

Please state the total grant amount requested from the Community Renewable Energy Grant Program. The maximum amount for grants is \$100,000 not to exceed 100% of project costs

\$60,000

9.3 Preliminary Payment of Grant funds *

If awarded a grant for planning a community renewable energy project, and upon entering a performance agreement, applicants may request up to 30 percent of the grant funding. The remaining funds will be released upon completion of the planning under the terms of the performance agreement. If you anticipate requesting a preliminary payment of grant funds, what dollar amount do you anticipate requesting?

\$10,000

9.5 Consulting fees, including design and engineering

\$40,000

9.6 Load analysis

\$0

9.7 Siting, excluding property acquisition

\$4,000

9.8 Interconnection studies

\$2,000

9.9 Ensuring code compliance

\$4,000

9.10 Transmission studies

\$8,000

9.11 Other Expenditures *

See OAR 330-250-0050(7) (<https://secure.sos.state.or.us/oard/viewSingleRule.action?ruleVrsnRsn=286904>) for eligible costs, OAR 330-250-0080(5)(c)

(https://secure.sos.state.or.us/oard/viewSingleRule.action%3BJSESSIONID_OARD%3DpP8Lsqbq_2w-jd1iVdFE-FMYrfH_wKycTGWiQ8jRbCuqB75qq5Rn!846163716?ruleVrsnRsn=286910) for non-eligible

costs and CREP-Planning-Cost-Guidance.pdf (oregon.gov)

(<https://www.oregon.gov/energy/Incentives/Documents/CREP-Planning-Cost-Guidance.pdf>) for additional eligible cost guidance

\$2,000

Funding Table

Please describe the monetary contributions from other funding partners and sources. This may include, but is not limited to, Federal, State, utility, or Energy Trust of Oregon funds.

There are no records to display.

9.13 Describe the applicant's project financing plan. Include potential sources for funding during construction and to cover the balance of project costs beyond the grant amount and other incentives and grants. This should include in kind contributions or monetary contributions from applicants or project partners. (Documents may be uploaded at the bottom of this page).

We are in the exploratory stages of design and do not yet know what kind of system will be most feasible. Once the design is complete, the City will create a plan to finance and implement the construction of the system for City Hall. Plans will very likely include application for additional grant money from multiple sources.

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Section 10: Document checklist

Document Checklist

10.1 Written authorization from the applicant's governing body allowing submission of the application. *

Regarding the requirement stated in OAR 330-250-0040(3)(b)(A) and OAR 330-250-0090(3)(b)(A) Written authorization from the applicant's governing body allowing submission of the application, the following are examples of documentation that would be acceptable and meet this requirement:

1. A signed letter by an organization's governing body (Board of Directors/Commissioners) specifically authorizing the submission of an application for the specific opportunity period, and authorizing, by name and title, the authorized representative/signatory for the grant application.
2. Official minutes from an organization's governing body meeting whereby approval is granted to submit an application, and a specific authorized representative is stated by name and title.
3. A letter or document from the organization that specifically cites the local rule, code or bylaw granting authority of an organizational role to pursue and submit grant opportunities on behalf of the organization and includes the name and title of the current individual with that authority to serve as the authorized representative. A statement from the authorized representative authorizing submission of the grant application should be included, or the individual should be listed as either the applicant contact and/or the authorized representative in the application.
4. A signed statement from the authorized representative that states their position has a prior-established and standing authority within the organization's local rule, code or bylaw to pursue and submit grant opportunities on behalf of the organization. The statement should state that submission of the grant application is authorized.

10.2 For any partner that is a public body, written authorization from the partner's governing body allowing submission of the application

See the "written authorization" requirements above before submitting

10.3 A statement of how the applicant will comply with applicable state and local laws and regulations, and that states the applicant will notify the appropriate agencies and obtain the required licenses and permits. *

10.4 Itemized list of costs designated as either eligible or non-eligible for the grant. *

See CREP-Planning-Cost-Guidance.pdf (oregon.gov)

(<https://www.oregon.gov/energy/Incentives/Documents/CREP-Planning-Cost-Guidance.pdf>) for additional eligible cost guidance

10.5. For any partner that is a private business, documentation that the partner owns a business site(s) that is located in this state (if applicable).

10.6 For any partner that is an owner of rental property, documentation that the partner owns rental property(ies) that is located in this state (if applicable).

Uploaded Documents: Use the dropdown to remove a document. To add document(s), use the "Choose Files" function below, select documents and click "Next" to Section 11. To confirm final documents, use "Previous" in Section 11 to return to Section 10.

File Name Letter of Authorization_CommGrant_City.pdf

Record Created On



File Name Letter of Support_Housing Authority.pdf

Record Created On



File Name Letter of Support for Depoe Bay_PUD.pdf

Record Created On



File Name Letter of Support - Depoe Bay Grant Request_Gomberg.pdf

Record Created On



File Name Task Force Sign In Sheet.pdf

Record Created On



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