FEMP Renewable Energy Project Assistance Application

Please complete electronically

Request Date: _____

Federal Agency: _____

Federal Agency Contact Person Name: _____

Phone: _____

E-mail: _____

Project Name: _____

Project Location: City _____ State _____ Zip Code _____

Type of Renewable Energy Assistance:

Type of Assistance	Description of Technical Assistance
	PLANNING
☐ **Prescreening**	**What:** Compares expected cost of renewable energy (wind, solar photovoltaics [PV], solar water heating [SWH], solar ventilation preheating [SVP]) to current price of electricity and natural gas or fuel oil. **When:** Agency or site is deciding whether a renewable energy project is economical.
☐ **Multi-site screening**	**What:** Estimates economic and technical performance of renewable energy projects (wind, PV, SWH, SVP, biomass, concentrating solar power [CSP], waste-to-energy [WTE]) across multiple sites, using common economic metrics. Includes an investigation of RE system capacities, applicable incentives, interconnection limits, and offers a discussion of procurement strategies. **When:** Agency or site is committed to pursuing a renewable energy project but need to prioritize projects. Prescreenings have been completed.
☐ **Single-site screening**	**What:** Estimates economic and technical performance of renewable energy projects (wind, PV, SWH, SVP, biomass, CSP, WTE) at a single site, using common economic metrics. Includes an investigation of RE system capacities, applicable incentives, interconnection limits, and offers a discussion of procurement strategies. **When:** The results of the prescreening are positive.
☐ **Feasibility study**	**What:** Provides likely economic and technical performance of renewable energy projects at a single site. Includes a more detailed investigation of RE system capacity, applicable incentives, and interconnection limits, and recommends a specific project and procurement strategy. **When:** After a screening, and in some cases a prescreening, identifies the best renewable energy technologies at a site.
☐ **High-performance green building construction or renovation**	**What:** Provides assistance with integrating renewable energy into the plans and design of a construction or major renovation building project. **When:** Starts with the pre-planning phase of a construction or major renovation building project.
☐ **Large and utility-scale project assistance**	**What:** Provides support for initial, early project development work or helps overcome specific hurdles on renewable energy projects larger than 10 MWs that will be privately funded. **When:** An agency has devoted significant internal resources to develop large- and utility-scale renewable energy projects.

	IMPLEMENTATION
☐ **Distributed generation/grid integration**	**What:** Provides critical information regarding connecting the on-site renewable energy project to the grid. **When:** After a project has been selected and the agency is moving forward with implementation. Reminder – It is best to work with your serving utility at an early stage (Feasibility study stage).
Project funding assistance	If you would like assistance with a Federal On-Site Renewable Power Purchase Agreement, please contact Tracy Logan at Tracy.Logan@ee.doe.gov. Note: FEMP does not have project funding available; rather, we provide support in structuring non-appropriated projects.
☐ **Acquisition planning and assistance**	**What:** Helps agency select a type of contract for a renewable energy project paid for with direct appropriations. **When:** Before the agency drafts an RFP.
☐ **Request for proposal (RFP) assistance**	**What:** Provides assistance in development of technical specifications and evaluation criteria for an RFP. Optional additional assistance for review of proposals. **When:** Agency has decided to implement a project and needs support to write a strong RFP and to select the best proposal.
☐ **Contract assistance**	**What:** Helps an agency negotiate a contract that may involve modifications to the scope of work, schedule, and deliverables. **When:** After an agency has selected a vendor.
☐ **Design assistance**	**What:** Provides assistance in review of engineering design documents. **When:** It is best to review the early schematic design (~35%) rather than the later stage design (e.g., 50%, 75%, or 95%).
☐ **Construction assistance**	**What:** Provides on-site monitoring at certain stages of construction to confirm that the system meets the terms of the contract and matches the design. **When:** During construction.
☐ **Acceptance testing and commissioning**	**What:** Inspects completed renewable energy project to confirm that the system is operating according to specifications. **When:** Once construction is complete.
☐ **Performance period (O&M and M&V)**	**What:** Assists with creating an O&M plan or M&V protocol so that the renewable energy system works properly over its expected life. **When:** During construction.
☐ **Other (please describe scope of work)**	**Other:**

Has a renewable energy study already been completed for the project you are considering?

Type of renewable energy technology considered (select all that apply)

- ☐ Solar PV
- ☐ Solar (other)
- ☐ Wind
- ☐ Biomass
- ☐ Incremental Hydro
- ☐ Hydrokinetic
- ☐ Ocean
- ☐ Geothermal
- ☐ Waste-to-energy
- ☐ Other: _____

Please describe the project. (Clearly and concisely describe the project and its anticipated impacts. This includes descriptions of the facilities and any major impacted equipment. Additionally, a preliminary scope of work for the technical assistance should be provided. This includes the general tasks that the applicant would like FEMP to complete for the project.) (1,300 character limit)

Amount of agency cost-sharing for this assistance request?

$ _____

How will your agency fund or finance the implementation of this project (select all the options that are being considered)?

	Direct Appropriations	Grants	ESPC	UESC	PPA	EUL
Being considered	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Committed funding	☐ Yes ☐ No	☐ Yes ☐ No	N/A	N/A	N/A	N/A
Funding amount	$	$	N/A	N/A	N/A	N/A

What is the site's unit cost of energy? (For multi-site, please provide as much information as available. At a minimum, provide a range of cost per unit.) (Cost per unit is most important).

Energy	Annual Consumption	Annual Cost	Cost Per Unit	Demand Charge
Electricity (kWh)		$	$	$
Diesel (unit)		$	$	$
Natural gas (unit)		$	$	$
Gasoline (unit)		$	$	$
Propane (unit)		$	$	$
Other		$	$	$

Is project implementation time-sensitive? If so, please explain.

How will work performed for this request advance the project? What are the next steps after this part of the project is complete?

Who is the project champion? Has a team been set up? If so, which types of staff are on the team? (Recommend having management, procurement, legal, environmental, sustainability, facilities/operations, real estate, budget, and safety staff all on board.)

Has a renewable energy project already been completed at your site? Please explain.

Submit Application

Submit the following documents to **Boyan Kovacic at boyan.kovacic@ee.doe.gov.**

- ☐ Completed Renewable Energy Project Assistance Form
- ☐ Federal Agency Letter of Interest

U.S. DEPARTMENT OF ENERGY

Energy Efficiency & Renewable Energy

For more information, visit:
femp.energy.gov

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