

PMC-EF2a

(2010)

**U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION**



RECIPIENT: Hawaiian Electric Company

STATE: HI

PROJECT TITLE : Recovery Act: Hawaii Utility Integration Initiatives (H.U.I.) to Enable Wind

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-PS36-09GO99009	DE-EE0001379	GFO-10-032	0

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

A9 Information gathering (including, but not limited to, literature surveys, inventories, audits), data analysis (including computer modeling), document preparation (such as conceptual design or feasibility studies, analytical energy supply and demand studies), and dissemination (including, but not limited to, document mailings, publication, and distribution; and classroom training and informational programs), but not including site characterization or environmental monitoring.

Rational for determination:

The Hawaiian Electric Company will use DOE CDP funding to investigate specific integration strategies or initiatives which will enable them to implement wind resources unique to the respective island grids, "Smart Grid" prep the system and support more collaborative planning for reliable operations.

Their objectives are to align their resources to ensure adequate planning for future electrical infrastructure and to maintain resource flexibility for transforming toward a sustainable island-grid. General activities include conducting modeling and analysis activities throughout the Hawaiian Islands.

Project tasks are as follows:

- Task 1.0 Project Coordination & Management
- Task 2.0 Initiative 1 – WindNET Sensor Deployment & Field Campaign
- Task 3.0 Initiative 2 – Smart-Grid Prep Enhancements
- Task 4.0 Initiative 3 – Green Smart Grid (GSG) Framework
- Task 5 Technical Outreach & Communication

Task 2 involves deploying remote wind monitoring equipment that will be used to gather data to validate developing models. Additional monitoring equipment may involve lease agreements on existing tall towers to install a boom and anemometers for monitoring. Utility fault monitoring equipment on the grid will either be installed or modified to gather system data during wind ramp events.

Locations, specific equipment, and details on the land and ocean deployment activities are unknown at this time; therefore a NEPA determination for these activities cannot be made at this time. All environmental monitoring and deployment activities will be conditional pending additional NEPA review.

The remaining project tasks include computer modeling, information gathering, dissemination, and administrative planning activities; therefore a CX A9 applies.

NEPA PROVISION

DOE has made a conditional NEPA determination for this award, and funding for certain tasks under this award is contingent upon the final NEPA determination.

Insert the following language in the award:

You are restricted from taking any action using federal funds, which would have an adverse affect on the environment or limit the choice of reasonable alternatives prior to DOE/NNSA providing either a NEPA clearance or a final NEPA decision regarding the project.

Prohibited actions include:

Task 2 activity titled, "Deployment of any and all remote sensing equipment for in-field-monitoring campaigns"

Installation or deployment of any and all field monitoring devises is prohibited, pending specific information on devise description, deployment location, permits, any additional governmental regulations applicable, and supporting documentation on this activity.

This restriction does not preclude you from:

Planning, information gathering, computer modeling and all administrative actions related to all tasks under this project.

If you move forward with activities that are not authorized for federal funding by the DOE Contracting Officer in advance of the final NEPA decision, you are doing so at risk of not receiving federal funding and such costs may not be recognized as allowable cost share.

Insert the following language in the award:

You are required to:

Installation or deployment of any and all field monitoring devises is prohibited, pending additional NEPA review. Recipient is required to submit an additional EF1 describing field monitoring devises, location of planned deployments, duration, list of applicable permits, and any additional supporting information regarding installation and deployment of field monitoring devises.

Note to Specialist :

NEPA recommends placing this award on ASAP approval until all NEPA conditions are removed.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:


NEPA Compliance Officer

Date:

2/22/10

FIELD OFFICE MANAGER DETERMINATION

Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

- Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
- Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature:

Field Office Manager

Date:
