

PMC-EF2a

(2010)

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

**RECIPIENT:**Forest County Potawatomi Community**STATE:** WI**PROJECT  
TITLE :**

FCPC CRED - Biomass/Biogas CHP, Biogas Digester, Wood Chip Dryer, WInd

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FOA-00001 22	DE-EE0003074		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.
- C12** Siting, construction, and operation of energy system prototypes including, but not limited to, wind resource, hydropower, geothermal, fossil fuel, biomass, and solar energy pilot projects.

Rational for determination:

Administrative tasks, preliminary design, permitting, development of an Environmental Assessment (EA), and other related tasks to be initiated by the FCPC as part of Phase 1 of this project will not adversely affect environmental resources and can be categorically excluded.

The FCPC plans to install at one of two locations a biomass and biogas-fueled combined heat and power (CHP) plant; biogas digester to be fueled with sewage sludge, municipal waste, restaurant waste, and agri-business waste; and wood chip dryer to produce fuel for the CHP system and remote biomass boilers. The two locations currently being considered are tribal properties at Carter and Stone Lake, WI. Those facilities and equipment could, at a minimum, have the following adverse environmental impacts that must be evaluated in an EA:

- Air quality – Uncontrolled emissions of particulate matter from the CHP plant are estimated to be about 140 tons per year, qualifying that facility as a major source (controlled emissions may be substantially less). Emissions of other regulated pollutants are also relatively high.
- Surface waters – Operation of the digester and wood chip drier will require discharge of wastewater
- Groundwater – 50,000 gallons or more of groundwater will be required for operation of the CHP and other equipment
- Odor – Operation of the digester and CHP may result in odors that could affect nearby facilities and residences.
- Forest resources – Harvesting of wood products to support the CHP system and dryer could cause changes in land use and impact forest resources.
- Transportation – Delivery of waste products to the digester, and shipping of wood chips to and from the dryer, could increase traffic in the local area.

A 300-kW wind turbine would be installed on tribal property near Cambellsport WI within or near an area known to have graves and possibly other cultural resources. An evaluation of the potential impacts of the project on those graves and cultural resources will have to be evaluated in the EA, and the requirements of the National Historic Preservation Act, Native American Graves Protection and Repatriation Act, and other related regulations will have to be met.

**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:

Final design; procurement of equipment; and construction, installation, and other ground-disurbing activities.

This restriction does not preclude you from:

Planning, permitting, preliminary design, project management and reporting

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.

Note to Specialist :

None Given.

**SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.**

NEPA Compliance Officer Signature:

  
NEPA Compliance Officer

Date:

6/9/10

**FIELD OFFICE MANAGER DETERMINATION**

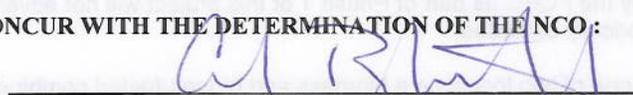
Field Office Manager review required

**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:

6-15-10