PMC-EF2a

(2.04.02)

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

RECIPIENT:FEMS **STATE:** DC

PROJECT TITLE : Energy Retrofits for Fire Statrions and Emergency Facilities

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-EE0000773		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:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

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 Fire and Emergency Medical Technician's are proposing to install 2 x 25 ton ground source heat pumps located at two fire stations located within the metro area of the Washington DC. The project is set in urban location on a existing paved parking lot, therefore all areas disturbed by construction will take place on previously disturbed land. The project location does not contain wetlands, floodplains, and/or coastal areas either on or in the direct vicinity of the site. The project consists of drilling 12 boreholes per system at an average depth of 200 ft per borehole. The applicant has committed to following all requirements and procedures outlined by both the IGHSPA and NGWA during both the installation and operation of the GSHP system. They have also committed that they will use one of the NGWA preferred antifreeze solutions, Propylene Glycol. Erosion control measures will be taken during installation by hauling all water and filings to be processed in accordance with all municipal and federal regulations. Best management practices will be used for erosion control and waste handling. They will used a licensed driller during project implementation and all boreholes will be completely encased in thermally enhanced bentonite. The bentonite grout will mitigate any risk of surface to ground water contamination. These areas surrounding the proposed locations are served by municipal drinking water, ground water at these location is not used for drinking purposes.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/22/10

NEPA Compliance Officer

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: _____ Date: _____
Field Office Manager

PMC-EF2a

(2.04.02)

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

RECIPIENT: Snohomish County **STATE:** WA

PROJECT TITLE: Solar Array and Charging Stations – Administration Building/Cathcart

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000013	DE-EE0000850		EE0

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:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

Snohomish County, Washington proposes to use $278,880.00 of EECBG funds to support their solar carports and Prius conversion project. DOE funding will primarily be used to connect a 75kW solar array that will be roof mounted on an the existing County Administrative Building to approximately 15 electrical charging stations in Level B of the nearby County parking lot area (Please see attached figure). Further funding will be used to design/build a 20kW solar array on the roof an existing Fleet Management building at Cathcart and connect/install four accompanying electrical charging stations within the Cathcart parking lot (Please see attached figure).

This project is part of an overall regional effort to develop electrical charging infrastructure. The Admin Building charging station project is in conjunction with a planned rooftop solar array to help power a County building and electric vehicles. The Cathcart project is a standalone effort. Both are being coordinated with other regional electrification efforts being undertaken to develop a map of available charging sites and determine where future installations should be built to enhance electric charging infrastructure.

No clearing or excavation will be required for work at the Admin Building, however, trenching will be required at Cathcart to run power lines to the charging stations. Trenching at Cathcart will be approximately 150 feet from the building rooftop solar array across an existing asphalt parking lot to the charging stations area and 50 feet along the parking frontage; total area is less than 1 acre. The trenched area will be refilled with the material excavated and then resurfaced with asphalt. Total area anticipated to be refilled is less than 200 square feet.

Local building permits are required for the running of electrical conduit and the charging stations' installation at the Admin Building Parking Garage and for the solar array roof installation at Cathcart/ trenching and installation of the parking lot charging stations. The existing National Pollutant Discharge Elimination System (NPDES) permit at Cathcart will require a review of the proposed site work, however, no changes are anticipated as existing hard surfaces will remain and overall water runoff patterns and amounts will not be affected.

In addition to the solar array/carport activities, approximately $22,000 of awarded DOE funds will be used towards the conversion of two existing Prius automobiles to be plug-in hybrid electric vehicles (PHEVs) and initiation of associated enhanced training for local technical students as part of a local college intern program for technical automotive and diesel repair.

Waste Stream Requirements:

Prior to the expenditure of Federal funds to implement any of the above-mentioned activities, Snohomish County has the affirmative responsibility to ensure that it has a waste management plan addressing waste generated by their

proposed actions. The plan will describe the plan to dispose of any sanitary or hazardous waste, e.g. construction and demolition debris, old light bulbs, lead ballasts, piping, roofing materials, discarded equipment, debris, asbestos, etc. generated as a result of the proposed project. The recipient must ensure that it will comply with all federal, state and local regulations for waste disposal.

NHPA Requirements

Prior to the expenditure of Federal funds to purchase energy efficient equipment for NBCP, Snohomish County has the affirmative responsibility to ensure compliance with Sec. 106 of the National Historic Preservation Act (NHPA). Snohomish County must contact the State Historic Preservation Officer in regards to the potentially historic buildings listed above. Supporting document will be reviewed by the DOE as part of its post-award monitoring.

Based on this project being part of an overall regional effort to develop electrical charging infrastructure and reduce consumption of fossil fuels, this action is categorically excluded under CX number B 5.1, Actions to Conserve Energy.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/22/10

NEPA Compliance Officer

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: _____ Date: _____

Field Office Manager

PMC-EF2a
(2.04.02)

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

RECIPIENT: King County **STATE:** WA

PROJECT TITLE: EECBG Replacement Projects

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000013	DE-EE0000854.002		EE0

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.

A11 Technical advice and planning assistance to international, national, state, and local organizations.

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

King County, Washington would use DOE funds for the following activities which are bounded by the signed SOW and are therefore categorically excluded under NEPA:

Activity 1: New Energy Solutions
Activity 2: Community Greenhouse Gas Inventory
Activity 3: Engineering Tech Training
Activity 4: Green Schools Program
Activity 5: Localize Sustainability Social Media Program

All listed activities are types of education, conservation, and energy efficiency programs.

Any projects submitted for EECBG funding that fall outside the bounds of the signed SOW will require a separate NEPA determination review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/22/10

NEPA Compliance Officer

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: _____ Date: _____

Field Office Manager

PMC-EF2a

(2.04.02)

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

RECIPIENT: Fairfax County **STATE:** VA

PROJECT TITLE : Activity 18, Energy Conservation Education and Residential Energy Efficiency Audits and Rebates

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000013	DE-EE0000873.001		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:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

A11 Technical advice and planning assistance to international, national, state, and local organizations.

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:

Fairfax County will use EECBG funds Activity # 18 Energy Conservation Education and Residential Energy Efficiency Audits and Rebates, which include the following activities:

EECBG funds will be used for rebates to a limited number of homeowners for the purposes of reimbursing the homeowner up to $385 for the cost of a residential building energy audit, including the cost of hiring technical consultants to conduct such audits, provided that the homeowner (1) has undertaken eligible energy improvements recommended by the auditor(s) as a result of that audit, as defined by (a) and (b); and (2) can demonstrate that he or she has incurred costs equal to or greater than $385 for such improvements. For the purposes of this program, eligible energy improvements are limited to: (a) performing energy efficiency retrofits that are limited to: installation of insulation; installation of efficient lighting; heating, venting, and air conditioning (HVAC) and associated controls and high-efficiency shower/faucet upgrades; weather sealing; the purchase and installation of ENERGY STAR appliances; installation of solar powered appliances with improved efficiency; and replacement of windows and doors; and (b) developing and implementing energy efficiency and conservation programs for buildings that are limited to: design and operation of the programs; identifying and implementing the most effective methods for achieving the maximum participation and efficiency rates; measurement and verification protocols; and identification of energy efficient technologies.

The County will not be implementation of any of the identified energy efficiency recommendations, only the cost of the audit as a rebate. This activity is categorically excluded under NEPA under A9, A11 and B5.1 Actions to Conserve Energy.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/22/10
NEPA Compliance Officer

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: _____ Date: _____
Field Office Manager

PMC-EF2a

(2.04.02)

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

RECIPIENT:FL-County-Seminole **STATE:** FL

PROJECT TITLE : Seminole County, FL EECBG Program: County Facility and Utility Operation Improvements; Energy Efficiency and Conservation Strategy Development; Ugrade Land Development Code; Grant Administration; Energy Efficiency and Conservation Strategy Enhancement

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000013	DE-EE0000798.001		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.

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

A11 Technical advice and planning assistance to international, national, state, and local organizations.

Rational for determination:

Seminole County will use EECBG funds for the following activities:

Activity # 1County Facility and Utility Improvements: Includes installation of energy efficient upgrades in each of the following facilities: Criminal Justice Center (demand control ventilation for approximately 21 air handlers), County Services Building (demand control ventilation for approximately 10 air handlers), Central Branch Library (demand control ventilation for approximately 3 air handlers), Public Safety Building (energy efficient roof replacement and energy efficient lighting replacement and/or motion sensors), Health and Human Services Building (demand control ventilation for approximately 13 air handlers), Public Safety Building (modify/more efficient HVAC system), Branch Library HVAC Retrofits (approximately 3 branches), Southeast Regional Water Treatment Plant and System(install energy efficient pumps/motors), Country Club Water Treatment Plant and System (install energy efficient pumps/motors). This activity is categorically excluded under NEPA under B5.1.
Activity #3 Upgrade Land Development Code: Includes identification and drafting of proposed revisions to the Seminole County Land Development Code. No equipment purchases or construction associated with this activity. The proposed amendments to the Land Development Code will include consideration of energy efficiency related measures. This activity is categorically excluded under NEPA under A9.

Activity #4 Grant Administration: Includes administering the grant including direct and indirect administrative expenses costs related to overall management of the award program and activities completed under the EECBG program. This activity is categorically excluded under NEPA under A9.

Activity #5 Strategy Enhancement: Includes securing Seminole County Board of County Commissioners project approvals. Commencement of energy efficiency elements within DOE approved Energy Efficiency Strategy and engagement of consultant services to assist with program initiation, quarterly reporting and program monitoring. This activity categorically excluded under NEPA under A11.

Prior to the expenditure of Federal funds to implement the retrofit activities listed above, the County of Seminole has the affirmative responsibility to ensure that it has a waste management plan addressing waste generated by their proposed actions. The plan will describe the plan to dispose of any sanitary or hazardous waste, e.g. construction and demolition debris, old light bulbs, lead ballasts, piping, roofing materials, discarded equipment, debris, asbestos, etc. generated as a result of the proposed project. The recipient must ensure that it will comply with all federal, state and

local regulations for waste disposal.

NHPA Requirements

Prior to the expenditure of Federal funds to implement any of the above activities, Seminole County, the RECIPIENT has the affirmative responsibility to ensure compliance with Sec. 106 of the National Historic Preservation Act (NHPA). The RECIPIENT must contact the State Historic Preservation Officer in regards to any potentially historic buildings listed above, or any other buildings that the County proposes to retrofit. Supporting document will be reviewed by the DOE as part of its post-award monitoring.

The categorical exclusion is limited to the activities listed herein. In the event Seminole County proposes to implement any activities not listed herein using EECBG funds, a separate NEPA determination will be required.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/22/10

NEPA Compliance Officer

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: _____ Date: _____

Field Office Manager

PMC-EF2a
(2/04/02)

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

RECIPIENT: King County **STATE:** WA

PROJECT TITLE: Engine Generator for Enumclaw Dairy Manure Digestor

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000013	DE-EE0000854-003		EE0

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:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The County of King proposes to use EECBG funding for installation of an anaerobic digester "Rainier Biogas" in Enumclaw, King County, Washington.

The proposed Rainier Bogs activity is a joint venture between Farm Power, LLC and the Ritter Dairy, LLC and will install an anaerobic manure digester, a concrete receiving pit, and mechanical building with an attached fiber storage area and associated pipelines. The manure digester is a heated, concrete vessel that processes dairy manure and other organic wastes in an oxygen-free environment designed to induce digestion by anaerobic bacteria. The digested fiber solids are separated and dried and the majority of the fiber will be returned to participating dairy farms for use as cow bedding. Methane-rich biogas produced as part of the digester process will be burned in an onsite piston engine generator to create electricity for export to the Puget Sound Energy electrical grid and heat to warm the digester vessel to sustain bacteria growth.

Digesters require a large supply of manure nearby in order to make the facility economically efficient, cause minimal traffic impact, be located well away from residences (to avoid odor and noise effects) and provide beneficial services to farms. The proposed location lies between two closely spaced dairy farms, with several other dairy farms nearby. These farms will supply manure to the project and also have the necessary land to receive the digester's processed manure. The site is located within gravity-flow distance of an operational manure lagoon for emergency overflow purposes. The site contains some farm buildings on the west edge, and the remainder of the land is in active crop production. The site for the digester consists mostly of farmland and the surrounding area is in grass or corn crop production.

There is no known wildlife use of the site, and no significant vegetation other than agricultural crops. The traffic near the site is light and consists largely of agricultural vehicles. The surrounding land is all zoned Agricultural or Rural and is used as farmland or isolated homes Preliminary research indicates the land is flat and ranges between 641 to 644 feet above sea level. There are no known critical areas on the site, however there is an offsite unnamed stream that would be crossed by a planned manure pipeline between the project site and the Wallin Dairy.

The processed manure liquid returns to the farms via truck or pipe and is stored in existing farmers' lagoons and spread on fields in accordance with the Department of Agriculture's Livestock Nutrient Management Program. The digestion process kills insect larvae, bacteriological pathogens and weed seeds; it greatly reduces manure odor and breaks down macronutrients for faster plant uptake and reduced risk of nitrate runoff. Additionally, Rainier Biogas will install post-digestion microfilters and settling equipment to remove solids from the manure. This will result in reduction in manure macronutrients phosphorous and nitrogen. The harvested nutrients will be sold into various soil amendment markets or land-applied as manure on fields that can absorb the nutrients at an agronomic rate.

The anaerobic digester is 16 feet in height, with approximately 8 feet of buried structure and will be constructed on approximately 75x150 feet. Next to the digester will sit an approximately 50x40 pre-engineered steel mechanical building that houses the control equipment, electrical transfer equipment, and up to two continuous duty piston gensets that run on methane with a combined output of up to 1.5 megawatts. There will also be a 40x20 covered area adjacent to the mechanical building for a digested fiber solids collection truck and trailer. There will be an in-ground concrete receiving tank for receiving manure and other organic wastes. The existing on-site manure lagoon may also serve as a holding vessel for manures entering or leaving the digester. The project will install up to two sets of parallel pipelines as shown on the area imagery provided. These pipelines will deliver manure from the two partner farms and return processed manure to the farms' storage lagoons. These pipelines will be located and design in consultation with King County to ensure they meet all zoning and environmental requirements.

Manure from up to three other farms will be trucked to and from the digester during business hours 6-7 days per week. The average number of truck round trips per day will be 3, although if the project size is later increased this number could reach 8. This truck traffic is within norms for agricultural operations in the area, and will be largely offset by the elimination of the trucking of manure by farmers that currently takes place. The facility will also generate approximately one truck round trip per day for the hauling of digested fiber to farms. This traffic will be more than offset, since the digester's fiber will eliminate farms' need for sawdust bedding and the semi traffic its delivery creates. The project's engine will run continuously, but no noise or vibration is expected to be perceptible at the property line.

Based on the foregoing, the Rainier Biogas project is categorically excluded under NEPA under B5.1 Actions to Conserve Energy.

Air Quality:

Prior to construction, the project will submit a Notice of Construction to the Puget Sound Clean Air Authority (PSCAA), and it we expect to complete a New Source Review and operate the facility under an emissions permit from PSCAA. Excess methane gas from the digester is flared so that no combustible gas will be stored on site.

Stormwater:

The roads on site will be gravel, and there will be single access from 208th Ave SE. The estimated total impervious surface area of the facility, including the roof of the digester is 20,000 square feet. The site's storm water will be directed into the fields that surround the site on the north, east, and south. The site will be configured to direct all manure residues into the digester for treatment and disposal. Rainier Biogas will install postdigestion microfilters and settling equipment to remove solids from the manure, which reduce manure macronutrients phosphorous and nitrogen. The reduced nutrient content of the manure, as well as the reduction of chemical oxygen demand and significant reduction of manure fecal coliform will protect area water quality.

Solid Waste:

The digester facility itself will be operated in accordance with the Department of Ecology's Guidelines for Operating an Anaerobic Digester Exempt from Solid Waste Permitting requirements.

Cultural/Historic resources:

The site is not on the National Register, nor is it a "contributing resource" within a National Register district. No local cultural inventory sites have so far been associated with the site, but cultural resource surveys will be conducted prior to groundbreaking. If cultural resources are identified on site, the appropriate tribal or state authority will be contacted to determine appropriate handling of these resources.

Wetland and Waters:

The proposed pipeline from the project site to Wallin Dairy would cross an unnamed stream that is likely U.S. Army Corps of Engineers (USACE) jurisdiction and also under the jurisdiction of the Washington Department of Fish and Wildlife. Prior to ground breaking, King County will secure a USACE Clean Water Act Section 404 permit (if in-water work is necessary fir pipeline crossing) as well as Hydraulic Project Approval (HPA) [Chapter 77.55 RCW] from the Washington Department of Fish and Wildlife.

Floodplains:

According to current FEMA flood maps, no part of the site is in the 100-year floodplain. An elevation certificate will be obtained for each new building that requires it. According to NRCS data, the site's soil is about 90% Alderwood Gravelly Sandy Loam, 0 to 6 Percent Slopes, while the remainder is Buckley Silt Loam.

Prior to the expenditure of Federal funds to implement any of the above-mentioned activities, King County has the

affirmative responsibility to ensure that it has a waste management plan addressing waste generated by their proposed actions. The plan will describe the plan to dispose of any sanitary or hazardous waste, e.g. construction and demolition debris, discarded equipment, debris, asbestos, etc. generated as a result of the proposed project. The recipient must ensure that it will comply with all federal, state and local regulations for waste disposal.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/22/10

NEPA Compliance Officer

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: _____ Date: _____

Field Office Manager

PMC-EF2a

(2.04.02)

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

RECIPIENT: City of Tulsa **STATE:** OK

PROJECT TITLE : City of Tulsa EECBG SOW specific to Activity #2 OSUMC Retrofit

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE FOA 0000013	DE-EE0000921.002		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:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

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.

A11 Technical advice and planning assistance to international, national, state, and local organizations.

Rational for determination:

The following activity is included in the City of Tulsa's signed Statement of Work (SOW) and is therefore categorically excluded from NEPA:

- Activity #2 Oklahoma State University Medical Center Retrofit

Activities that fall outside the bounds of the City's signed SOW will require a separate DOE NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/22/10

NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required

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

PMC-EF2a

(2.04.02)

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

RECIPIENT: Fairfax County **STATE:** VA

PROJECT TITLE : Activity 13, Energy Audits and Retrocommissionin

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000013	DE-EE0000873		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:

A11 Technical advice and planning assistance to international, national, state, and local organizations.

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.

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

Fairfax County will use EECBG funds Activity # 13 Energy Audits and Retro commissioning which includes the following activities:

1. Conducting residential and commercial building energy audits, including hiring technical consultants to conduct such audits.

2. Performing energy efficiency retrofits that are limited to: installation of insulation; installation of efficient lighting; heating, venting, and air conditioning (HVAC) and associated controls and high-efficiency shower/faucet upgrades; weather sealing; the purchase and installation of ENERGY STAR appliances; installation of solar powered appliances with improved efficiency; and replacement of windows and doors.

3. Developing and implementing energy efficiency and conservation programs for buildings and facilities within the jurisdiction of the entity that are limited to: design and operation of the programs; identifying and implementing the most effective methods for achieving the maximum participation and efficiency rates; public education, measurement and verification protocols; and identification of energy efficient technologies.
These activties are categorically excluded under NEPA underA9, A11 and B5.1 Actions to Conserve Energy.

Prior to the expenditure of Federal funds to implement the retrofit activities listed above, the County of Fairfax has the affirmative responsibility to ensure that it has a waste management plan addressing waste generated by their proposed actions. The plan will describe the plan to dispose of any sanitary or hazardous waste, e.g. construction and demolition debris, old light bulbs, lead ballasts, piping, roofing materials, discarded equipment, debris, asbestos, etc. generated as a result of the proposed project. The recipient must ensure that it will comply with all federal, state and local regulations for waste disposal.

NHPA Requirements

Prior to the expenditure of Federal funds to implement any of the above activities, Fairfax County, the RECIPIENT has the affirmative responsibility to ensure compliance with Sec. 106 of the National Historic Preservation Act (NHPA). The RECIPIENT must contact the State Historic Preservation Officer in regards to any potentially historic buildings that may have window and/or door replacements. Supporting document will be reviewed by the DOE as part of its post-award monitoring.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/22/10

NEPA Compliance Officer

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: _____ Date: _____

Field Office Manager

PMC-EF2a

(2.04.02)

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

RECIPIENT: Escambia County **STATE:** FL

PROJECT TITLE: Landfill Gas Extraction and Control System Expansion and Modernization

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000013	DE-EE0000784		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.

A11 Technical advice and planning assistance to international, national, state, and local organizations.

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

Escambia County would use $1,055,769 in EECBG funds to upgrade the existing landfill gas collection and control system (LGCCS) within the Perdido Landfill, a Class I/III Municipal Solid Waste (MSW) Landfill in west-central Escambia County. The current permitted facility covers approximately 350 acres; the existing LGCCS provides methane recovery over roughly 116 acres and the expansion project would extend the coverage to an additional 26 acres. All improvements would be made entirely within the permitted landfill footprint.

This project would improve the existing LGCCS by installing 37 new vertical landfill gas extraction wells totaling approximately 2,500 linear feet of PVC pipe, over 8,500 feet of new HDPE piping for landfill gas collection headers, and 2,500 feet of HDPE pipe as a landfill gas transmission line to a new electrical power generator facility to be constructed by project partner Gulf Power. The transmission line would be constructed entirely within the permitted landfill footprint. The facility would be a 3,500 square foot building designed to accommodate three 3520 CAT Power Systems SR-4 generators, producing 1.6 Mw, 4160 volt, 3-phase power. Initially two SR-4 generators would be installed to produce a total of 3.2 Mw of electrical power that would be channeled back to the Gulf Power distribution grid. The electrical substation located at the south end of the landfill is adequate to handle delivering the new capacity back to the grid and the only improvements to be made to transmit the generated power would involve replacing 12 existing power poles within the boundaries of the landfill. Upgrades also include an energy efficient blower/flare station consisting of a 2,200 standard cubic feet per minute (scfm) blower assembly, with a stub out for future installation of a second 2,200 scfm blower, a 4,400 scfm flare for the destruction of landfill gas during periods when the electrical generator facility is off line. The Perdido Landfill is expected to generate 2,398 to 2,881 scfm by the end of 2010 and will increase 3,003 to 3,479 scfm by 2021 at 48 to 50 percent methane.

The County provided Title V Air Construction Permit documentation and engineering design plans/specifications for the project. All excavated waste would be disposed on-site in the permitted Class I MSW landfill; no waste would be transported off-site. The County would be required to obtain all applicable local, state, and federal permits before implementing the project.

The proposed activity would capture and reuse methane to the maximum extent practicable, thereby conserving conventional energy/fuel used for electrical generation in the region and is therefore categorically excluded from further NEPA review under A9, A11, and B5.1.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/22/10
NEPA Compliance Officer

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: _____ Date: _____
Field Office Manager

PMC-EF2a
(2.04.02)

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

RECIPIENT: County of Lancaster **STATE:** PA

PROJECT TITLE : Lancaster County Environmental Center Renewable Energy System - Geothermal - ARRA - EECBG

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000013	DE-EE0000935		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:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

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:

Lancaster County is proposing to install a ground source heat pump to service their Environmental Center. The system will consist of the drilling of 10-12 boreholes to install 3 x 7.5 ton GSHP kits to make a combined cooling and heating load of 25 tons. The system will circulate potable water as a heat transfer medium. All boreholes will be completely encased with thermally enhanced Bentonite grout. No wetlands, floodplains, nor coastal areas will be affected by the implementation of the proposed project. Lancaster County has consulted with both the Dept. of Natural Resources and the State Historical Preservation Office neither of which provided negative comments regarding the project. Lancaster County has committed to restoring the ground disturbed by the project to it original state, by re-grading the filings and reseeding with native seed. All guidelines and requirements set forth by the IGSHPA and NGWA will be followed during design, construction, and restoration. Silt fences will be installed prior to boring and all best industry practices to control erosion will be followed (IGSHP). The project will use a state licensed driller during all borehole drilling. The applicant states that there are no applicable permits for closed loop ground source heat pumps in the State of Pennsylvania.

After a through review of the proposed project it has been concluded that this project will not have a significant impact to human health and/or environmental. The project is therefore Categorically Excluded under B5.1 "Actions to Conserve Energy" and A9 "Information Gathering".

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/22/10
NEPA Compliance Officer

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: _____ Date: _____
Field Office Manager

PMC-EF2a

(2.04.02)

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

RECIPIENT: Electric Power Research Institute **STATE:** CA

PROJECT TITLE : A First Assessment of U.S. In-stream Hydrokinetic Energy Resources Since the 1986 NYU Study

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000069	DE-EE0002662	GFO-10-124	GO0

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.

A11 Technical advice and planning assistance to international, national, state, and local organizations.

B3.1 Onsite and offsite site characterization and environmental monitoring, including siting, construction (or modification), operation, and dismantlement or closing (abandonment) of characterization and monitoring devices and siting, construction, and associated operation of a small-scale laboratory building or renovation of a room in an existing building for sample analysis. Activities covered include, but are not limited to, site characterization and environmental monitoring under CERCLA and RCRA. Specific activities include, but are not limited to:

Rational for determination:

The Electric Power Research Institute will use federal funds to perform surveying and data collection to determine the hydro-kinetic potential for remote rivers and streams in Alaska. The surveying will consist of installing small monitors along the shores to measure height change/frequency, water flow, and Doppler radar measurements to determine depths of the riverbeds. This information will be collected as part of an assessment for hydro-power feasibility in remote locations. All information gathered will be shared with both NREL and USGS, in an effort to upgrade GIS data for potential future siting assessments.

This project will also include data collections from a list of both existing U.S waterways and aqueduct canals across the United States. The effort to collect and compile existing data from a number of locations will be used to categorize and evaluate hydro-electric potential for the various canals outlined within the SOPO. The teams will compile and manipulate existing data previously collected from the various authorities that have the documented values needed to determine hydro-kinetic potentials (including but not limited to USGS data). The team may have to perform a limited amount of site visits to conduct digital elevation surveying and laser altimetry measurements (highly accurate surveying). The teams will then use this information to accumulate a data pool which will then be linked, shared, and uploaded to a GIS service that is compatible with NRELs current database.

The compilation and review of the data collected will be used to generate reports that will address the various concerns commonly encountered during hydro-power production. The concerns to be addressed within the reports include: deployment area, turbine spacing, vertical clearance, environmental impact, and power conversion efficiency. All activities related to this project involve information gathering, data manipulation, monitoring, reporting, and minimal on-site monitoring all of which are temporary in nature and do not pose a significant environmental impact. It has therefore been determined that this project is Categorically Excluded under A9 "Information Gathering", A11 "Technical Advice" and B3.1 "Environmental and Site Characterization".

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/23/10

NEPA Compliance Officer

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: _____ Date: _____

Field Office Manager

PMC-EF2a
(2.04.02)

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

RECIPIENT: Louisiana Department of Natural Resources **STATE:** LA

PROJECT TITLE : State of Louisana ARRA-EECBG--St. James Parish (T)

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000013	EE0000735		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:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

The Louisiana Department of Natural Resources will pass through EECBG funding to the St. James parish to implement the following activities:

*Street lights replacements (not the posts) and attached small solar panels to power the lights in two sections of St. James Parish--Gramercy and Vacherie, LA.

*The St. James parish will use funds to replace an existing boiler with an energy efficient gas-fired hot water boiler in parish buildings. These boilers will be appropriately sized for the buildings.

All activities are bound to the signed Louisiana State Expedited NEPA Review Template for the State EECBG award. This project comprises actions to conserve energy and energy-efficient upgrades; therefore a CX B5.1 will apply.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

None Given.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 4/23/10
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

☐ Field Office Manager review required

PMC-EF2a

(2.04.02)

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

RECIPIENT: Ormat Nevada, Inc **STATE:** CA

PROJECT TITLE: Wister

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000109	DE-EE0002838	GFO-10-138.002	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.

B3.1 Onsite and offsite site characterization and environmental monitoring, including siting, construction (or modification), operation, and dismantlement or closing (abandonment) of characterization and monitoring devices and siting, construction, and associated operation of a small-scale laboratory building or renovation of a room in an existing building for sample analysis. Activities covered include, but are not limited to, site characterization and environmental monitoring under CERCLA and RCRA. Specific activities include, but are not limited to:

Rational for determination:

Ormat Nevada, Inc. (Ormat) would utilize a 3D seismic survey with shear wave conversion combined with available data to predict the most likely locations for high fracture density and hot fluids. The identified locations would be used to site and drill two full-size production wells at Wister, CA.

The project is divided into three phases with multiple tasks and sub-tasks.

Phase 1 – Resource Evaluation

1. Obtain log data and prepare forward models (AVO and converted-wave)
2. Conduct 3D seismic survey – An NOI was submitted to the El Centro Field Office of the BLM for this survey. Cultural and biological assessments were done and the seismic lines were slightly altered to avoid potential issues. According to a phone conversation with Daniel Steward at the El Centro Field Office, the BLM plans to CX the seismic survey.
3. Interpretation of the 3C, 3D survey data and other data

An application for a Conditioned Use Permit (CUP) was submitted to Imperial County, California and a CEQA determination of Mitigated Negative Declaration was made April 2, 2009 for the project. Drill locations indicated in the CUP were Ormat's "best guess" at where drilling would occur, but Task 2 (Seismic survey) may modify where drilling would take place. If drilling locations are modified, an amendment to the CUP would need to be submitted by Ormat to Imperial County. Since the locations of the production wells have yet to be definitively determined, Phase 2 (all tasks) and Phase 3 (task 5) cannot be analyzed at this time. A NEPA determination for these tasks in Phase 2 and Phase 3 of the project would be too early to determine but would need to be made prior to Ormat beginning any drilling. (Go-no go decision point: Upon completion of Phase 1, a go/no-go determination would be made before proceeding to Phase 2. If the decision is a 'go', Ormat could proceed to Phase 2 upon consent from DOE. If the decision is a 'no-go', no drilling would occur and the Phase 1 Report would serve as the final technical report for DOE purposes.)

Phase 2 – Completion of Exploration Data Analysis and Drilling

4. Synthesize Phase 1 data into a working exploration model for well-siting

4.1. Site, permit and drill the first full-sized production hole

4.2. Drilling of the second full-sized production hole

Phase 3 – Well Testing

5. Assess potential for geothermal reservoir post-drilling using Ormat's standard well testing strategy.
6. Project Management and Reporting – Reports and other deliverables would be provided in accordance with the Federal Assistance Reporting Checklist following the instructions included therein.

Condition of Approval: Allowable – Phase 1 (tasks 1 through 3) and Phase 3 (task 6); Prohibited – Phase 2 (all tasks) and Phase 3 (task 5).

Based upon the information provided, Phase 1 (tasks 1 through 3) and Phase 3 (task 6) are categorically excluded under CX A9 "Information gathering/data analysis/document preparation/dissemination" and CX B3.1 "Site characterization/environmental monitoring."

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:
Phase 2 (all tasks) and Phase 3 (task 5)
This restriction does not preclude you from:
Phase 1 (tasks 1 through 3) and Phase 3 (task 6)
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: _____ Date: 4/23/10
NEPA Compliance Officer

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: _____ Date: _____
Field Office Manager