PMC-EF2a
(2.04.02)

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

RECIPIENT: State of Oklahoma **STATE:** OK

PROJECT TITLE : OKLAHOMA SEP ARRA - SE OK State Univ - Phase 2 Chiller and Green Power Outreach Activities

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	DE-EE0000133	GFO-0000133-029	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.

B1.4 Installation or modification of air conditioning systems required for temperature control for operation of existing equipment

B2.1 Modifications of an existing structure to enhance workplace habitability (including, but not limited to: improvements to lighting, radiation shielding, or heating/ventilating/ air conditioning and its instrumentation; and noise reduction).

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.

B2.2 Installation of, or improvements to, building and equipment instrumentation (including, but not limited to, remote control panels, remote monitoring capability, alarm and surveillance systems, control systems to provide automatic shutdown, fire detection and protection systems, announcement and emergency warning systems, criticality and radiation monitors and alarms, and safeguards and security equipment).

Rational for determination:

Southeastern Oklahoma State University is proposing to use $500,000 in SEP ARRA funding to cover the incremental costs of increasing the efficiency of the existing central plant chillers. The proposed project includes the following energy efficiency measures:

1) Engineering necessary for preliminary design, inspections, code compliance, training, and project delivery.
2) Air Handling Unit modifications to improve energy efficiency.
3) Building valve replacements to enhance system efficiency.
4) Balancing chilled water flows to improve efficiency.
5) Pumping modifications to increase energy efficiency.
6) VFD installations on new condenser pumps and cooling tower fans to cut energy use.
7) Control system installation comprising a new server and new controls needed to implement demand flow and thereby cut energy use.
8) Cooling Tower replacement with a more energy efficient unit.
9) Chiller modifications and replacement with a more energy efficient unit.
10) Commissioning to verify correct operation and achievement of energy savings.

All aspects of the proposed project will occur within the existing chiller building and associated fenced area and other existing campus facilities. There will be no new construction or expansion of existing buildings as part of the proposed project. Adverse effects to threatened and endangered species, wetlands, or floodplains are not expected as these resources are not present at the project site.

After a thorough review of the information submitted for the proposed project, it has been determined that the actions

involved will not have a significant impact to human health and /or the environment; therefore it is hereby categorically excluded under B5.1 "actions to conserve energy," from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

EF2a completed by Logan Sholar

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 11/24/10

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