

PMC-EF2a

(204.02)

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



RECIPIENT: Texas State Energy Conservation Office

STATE: TX

PROJECT TITLE : State of Texas EECBG Roof Projects - T

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000013	DE-EE0000893		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 Texas State Energy Office (SEO) proposes to use ARRA funding for the purchase and installation of cool roofing projects on multiple state and municipal buildings. The intended use of ARRA funds is going to be used by the Sub Grantees under the State of Texas EECBG Grant program to all of the entities that did not qualify for direct formula grants from the DOE originally. The State is operating under the SOW Template and under building retrofits roofs were originally not included in the bound activities. The State has a contract with each recipient that includes the SHPO/Waste Stream requirements that each recipient is fully aware and will perform. The roofing projects are retro-fit project that will utilize today's clean and cool roof technology.

Cool roofing installations on the various buildings will utilize a variety of methods and materials which include the use of energy star reflective coating, energy efficiency roofing with polaralum radiant barrier, acrylic & silicone protective coating, topcoat flashing grade mastic and topcoat elastomeric roofing membrane, polyurethane foam roofing system, spray polyurethane foam roof systems, white reflective membrane, thermoplastic polyolefin (TPO) roof, reflective metal roofing, and PVC membrane Duro-last roofing system.

No green roofing activities will be included as part of this action. Any buildings that submit for the installation of a green roof will require a separate EF-1 submission and NEPA review.

There would be no or negligible impacts to biological resources, cultural resources, wetlands, or other sensitive habitats as buildings identified for the installation of cool roofing systems will be located in developed, urbanized areas.

Based on the information above, this project is Categorical Excluded from further NEPA review under CX B 5.1, Actions to Conserve Energy.

**NEPA PROVISION**

Note to Specialist :

EF-2a prepared by Bill Knapp.

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

NEPA Compliance Officer Signature:

[Signature]  
NEPA Compliance Officer

Date:

9/22/10

**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:

\_\_\_\_\_

Based on the information above, this project is Categorical Exclusion from further NEPA review under CE 5.1.1. Actions to Conserve Energy.

NEPA PROVISION  
Not to Proceed

EP-2a prepared by Bill Kripp

SIGNATURE OF THE MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION

There would be no or negligible impacts to biological resources, cultural resources, wetlands, or other sensitive resources as buildings identified for the installation of cool roofing systems will be located in developed, urbanized areas.

No green roofing systems will be installed as part of the action. Any buildings that submit for the installation of a green roof will require a separate CE-1 submission and NEPA review.

Cool roofing installation on the various buildings will utilize a variety of methods and materials which include the use of energy efficient, reflective roofing with solar-reflective paint, solar & silicon protective coating, tapered roofing panels, and various treatments including membrane, polyurethane foam roofing system, spray polyurethane foam roof systems, white reflective treatments, thermoplastic polyolefin (TPO) cool, reflective metal roofing, and PVC membrane Cool-roof roofing system.

The Texas State Energy Office (SEEO) proposes to use ARIIA funding for the purchase and installation of cool roofing projects on multiple state and municipal buildings. The intended use of ARIIA funds is going to be used by the State of Texas under the State of Texas SEEO Green program to all other entities that do not qualify for direct formula grants from the CEU program. The State is operating under the SEEO program and under building roofing work was originally included in the funding activities. The State has a contract with each recipient and includes the SEEO's Green program and each recipient is fully aware and will perform. The roofing projects are non-federal projects that will utilize solar-reflective, cool roof technology.

Rational for determination:

CE 5.1.1 Action to Conserve Energy. Categorical Exclusion (CE) 5.1.1.1 (A) and (B) require energy efficiency that do not increase the net energy consumption of substantially similar buildings. These actions may involve financial and technical assistance to individuals (such as business owners, nonprofit managers, organizations, and others) and state and local governments. Government actions include, but are not limited to, procurement of low-cost energy equipment to improve energy efficiency, installation of solar hot water systems, installation of efficient lighting or improvements in government efficiency, and conduct energy audits, development of energy-efficient manufacturing or industrial processes, or energy conservation and renewable energy research and development and pilot projects. The action could involve building retrofits or new structures in commercial, residential, institutional, or industrial sectors. These actions do not require management, technical advice, or proposed CEU legislation.