

PMC-EF2a

(201402)

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



RECIPIENT: Missouri DNR, Division of Energy

STATE: MO

**PROJECT TITLE :** MO – IEEP: Anheuser-Busch - Brewery Energy Efficiency Retrofits

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-000052	EE0000131	GFO-0000131-021	EE131

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 State of Missouri, Department of Natural Resources, Division of Energy, proposes to use \$750,00 in SEP ARRA funding to perform energy retrofits to the Anheuser-Busch Brewery in St. Louis, MO. These retrofits will include the replacement of lighting, cellar air change optimization, brewhouse steam predictor, steam trap replacement, refrigeration system suction pressure optimization, brewhouse condensate receiver vent condenser, steam trap monitoring system. The replacement of the lighting in this project has cleared NEPA through the template signed 3/5/2010.

These energy retrofits will take place in various building locations across the Anheuser-Busch Brewery campus. The cellar air change optimization will take place in buildings 189, 215, and 229. The brewhouse steam predictor will take place within the existing Utilities Central Control Room in building 225. The steam trap replacement will take place in building 6 at the power house, and will consist of replacing a total of 30 steam traps. The refrigeration system suction pressure optimization will entail the installation of a programmable logic controller for the refrigeration unit in building 225 at the utilities central control room. The brewery will install barometric vent condenser heat recovery unit within the existing brewhouse in building 35. The steam trap monitoring system will be a wireless and installed with/on the 30 replaced steam traps. This project will take place within existing facilities and will not result in any ground disturbing activities.

**Air:** This project will not require any new permitting for these retrofits. The current air permit on file by Anheuser-Busch will not require any modifications to accommodate for these retrofits.

**SHPO:** DOE has concluded that the activities associated with this project will have no significant impact on the historic integrity of the Anheuser-Busch facilities. The State of Missouri Historic Preservation Officer has concurred with this determination in a letter dated June 20, 2011 and uploaded to the PMC.

**ESA/CWA:** The activities associated with this project will not adversely impact threatened and/or endangered species, critical habitat; as well as navigable waters and wetlands of the United States as the activities are internal to existing buildings and do not include a discharge to sewers or waters.

**Waste:** Anheuser-Busch has a waste management plan and will implement it to handle left over waste associated with this project. All waste is handled in a manner consistent with State, Federal, and local regulations. Anheuser-Busch is labeled as a small quantity generator and is registered with the EPA & Missouri DNR. Construction debris will be removed by a licensed waste disposal company and taken to a properly permitted landfill.

This project is comprised of internal energy efficiency retrofits to conserve energy use during the brewing process;

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 :

Eugene Brown 6/28/2011

Funding Requested: \$750,000  
Funding Leveraged: \$475,425  
Total Project Cost: \$1,225,425

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

NEPA Compliance Officer Signature: \_\_\_\_\_

  
NEPA Compliance Officer

Date: \_\_\_\_\_

7/1/11

**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: \_\_\_\_\_