

PMC-EF2a

(204.02)

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



RECIPIENT: Missouri DNR, Division of Energy

STATE: MO

**PROJECT TITLE :** MO - IEEP: Henniges Automotive - Process Air Compressor Upgrades

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FOA-000052	EE0000131	GFO-0000131-022	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:

DOE is proposing to provide \$53,079 in SEP ARRA funding to Henniges Automotive to replace an existing high-pressure blower system with a more energy efficient, low-pressure blower system.

As of May 2011, the project was completed. The scope of work included the following milestones: 1) installing three, low-pressure/high-velocity centrifugal blowers and 2) installing two trim coolers with associated wiring, tubing, piping and controls. The three centrifugal blowers were installed at the extrusion area along with the two trim coolers in the compressor room. The project did not expand the building footprint nor did it require significant modification to the structure in order for the replacement blowers to be installed.

Henniges Automotive manufactures automotive products, specifically sealing systems for body panels, windows, windshields, engine compartments, headlight/taillight modules, sunroofs, etc.. Henniges Automotive is located at 101 Danny Scott Drive, New Haven, Missouri 63068. The facility, where this project was completed, is a stand-alone building constructed in 2000. The surrounding area consists of a mix of industrial buildings, commercial businesses and agricultural land. No ground disturbance was associated with the completion of this project and no new utilities were required.

This project replaced existing high-pressure blowers with more energy efficient, low-pressure blowers. The recipient confirmed they did not need to obtain new permits to cover emissions.

The recipient performed noise level tests (dB) on the new and replaced equipment. The noise levels were reduced 3-5 dB from 90-95 dB to 88-92 dB for the new blowers. The noise levels at the nozzle tips increased slightly; line 4 from 96.4 dB to 104.6 dB and line 8 from 88.5 dB to 95.4 dB. Per the recipient, these work areas require hearing protection for all workers.

According to the recipient, all waste generated by the projects was handled and disposed of in accordance with all applicable Federal, State, and Local regulations and requirements. During installation, no asbestos or lead-based paints were encountered.

Based on the Programmatic Agreement (PA) between the Missouri DNR State Historic Preservation Office, the Missouri DNR Division of Energy and the US Department of Energy for the administration of Federal Energy Programs, Section D confirms that this project falls under D.2.c, which are standard energy efficiency measures that do not require ground disturbance or relocation or removal of walls, ceilings or floors. Therefore, DOE has determined that the project did fall within the bounds of the PA and additional SHPO consultation for this project was not required.

In view of the information provided by the State and the recipient, DOE has determined that the impacts related to the project had negligible effects on the human and natural environment. The project was consistent with actions outlined in B5.1, "actions to conserve energy," and is, therefore, categorically excluded 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 :

Cristina Tyler 7.18.2011

DOE Share: \$53,079  
Cost Share: \$43,221  
Total Project Cost: \$96,300

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

NEPA Compliance Officer Signature:  Date: 7/18/11  
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