

PMC-EF2a

201021

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



RECIPIENT: State of Indiana--Office of Energy Development

STATE: IN

PROJECT TITLE : SEP-ARRA--Carbon Motors Corporation

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	EE0000169	GFO-10-137-001	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:

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 Indiana, Office of Energy Development will provide \$1,500,000 in Recovery Act funds to Carbon Motors Corporation for energy efficiency upgrades for its facility located at One Carbon Motors Drive, Connerville, Indiana. Carbon Motors manufactures a purpose-built law enforcement vehicle, the E7, which reduces emissions and improves fuel economy by using clean diesel engines.

The facility is a former Visteon plant and is approximately 1.8 million square feet in size. Carbon Motors is currently occupying 100,000 square feet of office style space and 450,000 square feet of manufacturing space. The building is a 1950-1980 era manufacturing facility. No thought was given to conserving energy in its construction, due to the era and the former manufacturing process being highly heat intensive. Carbon Motors proposes to undertake approximately \$8 million worth of upgrades to improve the energy efficiency of the building and reduce energy consumption at the facility.

Carbon Motors plans to install new roofing, insulation, skylights, wall panels, a new HVAC system, and more energy efficient power and lighting controls. These upgrades will enable Carbon Motors to regulate the manufacturing environment while achieving substantial energy savings.

Carbon Motors is also seeking an Advanced Technology Vehicle Manufacturing loan through the Department of Energy's Loan Programs Office. Carbon Motors is proposing to retool and re-equip the existing building, develop the E7 police vehicle, and assemble the vehicle at the facility in Connerville. The Loan Programs Office issued a Categorical Exclusion for this action on September 23, 2010.

In view of the information provided by the State and recipient, DOE has determined that the work outlined is consistent with activities identified in Categorical Exclusion B5.1.

NEPA PROVISION

Note to Specialist :

EF2a prepared by Neil Sullivan on 9/24/10.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:



NEPA Compliance Officer

Date:

10/18/10

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:
