

PMC-EF2a

(2.0.02)

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



RECIPIENT: State of Arizona SEP ARRA EE0000106-NEST Energy Services

STATE: AZ

PROJECT TITLE : NEST Energy Eagle-Hybrid Power Trailer

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
		GFO-10-551	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.
- 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:

The State of Arizona will provide \$999,300 to Nest Energy Systems, Inc. to establish the capability to manufacture the Eagle-Hybrid Power Trailer. The Eagle-Hybrid Power Trailer uses alternative energy for generating sufficient reliable power for troops in theater and for powering remote commercial operations. Recovery Act funding will be used to purchase and install the equipment required to manufacture the product. Nest Energy Systems is located at 7500 W. Pasture Ln, Prescott, AZ.

Nest Energy's facility is located in an area consisting of large-scale commercial buildings and adjacent to a concrete plant. Installation of the equipment will not impact the footprint of the existing facility, but the new product line will require Nest Energy to expand its operations, which it will do by acquiring near-by commercial space. No significant construction is anticipated to accommodate installation of the equipment. The primary waste from the new manufacturing process will be left over scrap metal and packaging, which will be recycled between County and private facilities. The company has waste-handling contracts and provisions for the various liquid and solid waste material that the plant generates. Other than the occupation permits required when the company expands into new commercial space, no new permits are required for the new manufacturing capability.

In review of the information provided by the State and recipient, DOE has been determined that the work outlined is consistent with activities identified in Categorical Exclusion B5.1 and B2.2.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Note to Specialist :

According to the project officer, funding for this project is \$999,300. Absent a significant change in the scope of this effort, a change in funding will not affect my determination.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____
NEPA Compliance Officer

Date: 7/29/10

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: _____