PMC-EF2a

(2.04.02)

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

RECIPIENT: Governor's Energy Office **STATE:** CO

PROJECT TITLE : COLORADO SEP ARRA - Renewable Ready Grant - PAWS For Life

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000052	DE-EE0000082	GFO-0000082-007	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:

PAWS for Life (501c3 Animal Welfare Protection Society of Pueblo, CO) is proposing to use $50,000 in SEP funding to help cover the costs associated with installing a ground source heat pump system at a new, energy-efficient core building and kennel. The ground source heat pump system will be a vertical, closed loop system with a capacity of 14 tons. There will be 14 boreholes needed. The state certified and licensed driller will follow IGSHPA and NGWA regulations during installation. The system will use HDPE piping that is heat fused and all wells will be fully grouted with a thermally enhanced bentonite grout. The refrigerant used in the system will be a non-toxic, food grade propylene glycol and water mixture. The recipient states that any waste material will fall within the contractor's waste management plan to recycle 75% or more of all construction material following LEED ® requirements and silt fencing will be utilized by the contractor to control erosion from drilling spoils. The area over the vertical loop field will be a landscaped "Bark Park" where dogs can run and exercise off leash. The recipient states that the project will follow Colorado state regulations for pollution prevention and storm water Best Management Practices and that the site construction will follow Pueblo Regional building codes 2009 IECC and the newest energy code. The project also has been reviewed and approved by the City of Pueblo in accordance with planning and zoning ordinances and the fire department NFPA standards.

The geothermal well field portion of the installation will occur on land that was previously agricultural land which has since been cleared for development. The proposed project location is surrounded by light residential and inactive agricultural land. There are not expected to be any adverse effects to threatened and endangered species, wetlands or floodplains as a result of the proposed project as these resources are not present at the proposed site. The SHPO has been contacted by PAWS for Life concerning the proposed project and has not received a response as of 11/24/2010.

After a thorough review of the information submitted for the proposed project, it has been determined that the actions involved will not have a significant impact to human health and /or the environment. The proposed project will result in a reduction in the use of conventional fossil fuels; therefore it is hereby Categorically Excluded B5.1 "actions to conserve energy," 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 :

EF-2a completed by Logan Sholar

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 12/8/10

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