

PMC-EF2a

(20102)

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



RECIPIENT: City of El Paso

STATE: TX

**PROJECT TITLE :** City of El Paso Landfill Gas Recovery Project ARRA-EECBG

<b>Funding Opportunity Announcement Number</b>	<b>Procurement Instrument Number</b>	<b>NEPA Control Number</b>	<b>CID Number</b>
DE-FOA-0000013	DE-EE0000964		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:

The City of El Paso, Texas proposes to use \$800,000.00 of EECBG funds for the design and install of a landfill gas (LFG) collection and recovery system at the city-owned Clint Landfill. Funds will primarily be used to hire a consultant to prepare a LFG Management Plan, plan and design construction plans, and hire a consultant to install the first phase of the recovery system.

The existing landfill is located on 311 acres in Clint, El Paso County, Texas and was initially permitted as a municipal solid waste landfill (MSWLF). No additional acreage will be required to establish the proposed system.

Primary components of the proposed project include installation of vertical and horizontal LFG extraction wells, connective piping and headers, extraction blowers, LFG flare system and measurement/monitoring equipment. Additional components may be deemed necessary following completion of the LFG Management Plan. The inclusion of additional components not considered at the time of this NEPA determination will be subject to DOE review and may require NEPA approval prior to implementation.

Other than mechanical separation/knock-out of entrained moisture in the inlet gas stream, no additional treatment is currently required for the initial phase of the recovery system. The initial and future phase of the gas recovery system will not include or require any off site transportation or pipeline for the transmittal of landfill gas to an end user or purchaser.

No new buildings are required with the initial phase of the recovery system. The only structures associated with this phase of the project will be a fenced enclosure with concrete pads and gravel surface treatments, all within the existing developed landfill property (see attached map).

Installation of the first phase of the recovery system will require the services of an appropriately licensed engineering contractor and the use of typical construction equipment which may include drilling rigs, backhoes, front loaders, and polyethylene pipe fusion equipment.

Modifications will be required to the existing Air Permit and Solid Waste Operating Permit for the landfill in order to proceed with the construction and operation of the new landfill gas recovery system.

Prior to the expenditure of Federal funds to implement any of the above-mentioned activities, the City of El Paso has the affirmative responsibility to ensure that it has a waste management plan addressing waste generated by their proposed actions. The plan will describe the plan to dispose of any sanitary or hazardous waste, e.g. construction and demolition debris, old light bulbs, lead ballasts, piping, roofing materials, discarded equipment, debris, asbestos, etc.

generated as a result of the proposed project. The recipient must ensure that it will comply with all federal, state and local regulations for waste disposal.

The proposed system will reduce greenhouse gas emissions by 95,870 tons (CO2) per year initially, with reductions exceeding 696,000 equivalent tons per year at peak LFG production.

Based on this information, this action is categorically excluded under CX number 5.1, Actions to Conserve Energy.

**NEPA PROVISION**

DOE has made a final NEPA determination for this award

Insert the following language in the award:

Insert the following language in the award:

You are required to:

If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved.

Note to Specialist :

None Given.

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

NEPA Compliance Officer Signature:   
NEPA Compliance Officer

Date: 4/9/10

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