PMC-EF2a

(2.04.02)

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

RECIPIENT: City of Scottsdale, Arizona **STATE:** AZ

PROJECT TITLE : Reclamation Facilities Blower Replacements

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-EE0000845	DE-EE0000845	GFO-0000845-003	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 Scottsdale, Arizona proposes to use $1,095,000.00 dollars of EECBG funds for blower unit replacement activities in two separate water reclamation facilities. A total of 4 blower units will be replaced between the Water Campus Water Reclamation Facility and the Gainey Ranch Water Reclamation Facility.

The Water Campus Water Reclamation Facility treats up to 20 million gallons per day of domestic wastewater and uses four - 400 horsepower process air blowers that draw approximately 5.3 million kilowatt-hour of energy per year. The Gainey Ranch Water Reclamation Facility treats up to 1.7 million gallons per day of domestic wastewater and uses three - 75 horsepower process air blowers that use approximately 1.1 million kilowatt-hours of energy per year.

The purpose of this project is to replace two of the existing four blowers at the Water Campus Water Reclamation Facility and the three existing blowers at the Gainey Ranch Water Reclamation Facility with the more efficient blower technology.

All proposed activities will occur within existing facilities and not have any negative impacts on biological, cultural, visual, air, or other sensitive environmental resources. Over a ten year period, the resultant energy savings at the Water Campus Facility will be 47.5 million kilowatt-hours which equates to a reduction of 34,113 metric tons of greenhouse gas (CO_2 equivalents) and 6.4 million kilowatt-hours which equates to a reduction of 4,596 metric tons of greenhouse gas (CO_2 equivalent) at the Gainey Ranch Facility.

Overall this project will result in a positive impact to air quality through a total greenhouse gas reduction of 38,709 metric tons (CO_2 equivalents).

The State of Arizona and Department of Energy have executed a Programmatic Agreement covering historic preservation for EECBG. The City of Scottsdale has already coordinated with Maricopa County Environmental Services and Water and Waste Management Division to review the proposed project. Certificates of approval for both water reclamation facilities were provided to the City of Scottsdale by Maricopa County and have been provided to the DOE for reference use. All waste will be disposed of in accordance under established city and county protocols.

Based on the above GHG emission reductions and lack of environmental impacts, this project is Categorically Excluded from further NEPA review under CX Number B 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:

Note to Specialist :

Completed by B.Knapp

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 5/4/11

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