PMC-EF2a
(2.04.02)

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

RECIPIENT: Snohomish County **STATE:** WA

PROJECT TITLE : Biodiesel Crusher and Dryer Facility Upgrades

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0000013	DE-EE0000850	GFO-0000850-005	EE0

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:

DOE is proposing to provide $109,300 in EECBG funding to Snohomish County to purchase and install equipment to upgrade an existing oil seed crusher facility on the Cathcart campus located at 8915 Cathcart Way, Snohomish, WA 98296. The installation would be adjacent to an existing, county-owned biodiesel production facility.

The proposed project would consist of purchasing two food grade storage tanks for vegetable oil storage and a meal handling system to capture the byproduct. The food-grade storage tanks would be 5,200 – 6,000 gallons each (16 feet by 20 feet). The storage tanks would be installed on a 24 foot by 24 foot asphalt pad, north of the existing facility. As required by NPDES, a two foot berm would be constructed for secondary containment. An existing fence would be relocated to ensure that the tanks and equipment are in a secure area. The total footprint of the additional tanks and equipment would be 0.01 acres (435 square feet).

The meal handling system would be installed inside the existing facility and consist of a hammermill, a secondary elevator and an elevated meal holding tank so it could be gravity fed to trucks. The elevator is 16 feet 10 inches by 50 feet. The meal holding tank is a forty-ton bulk storage.

Noise levels for all the equipment and machinery would remain below 52 decibels at the source.

The proposed site is a closed municipal landfill site with multiple uses. The 220 acre parcel, zoned industrial, includes a truck wash, a fueling station, Public Works equipment and storage, closed municipal landfill, leachate pre-treatment facility, back-up solid waste transfer station, Sheriff training facility and impound yard, a fleet vehicle shop for heavy trucks and equipment and administrative offices. The surrounding area is a slowly developing residential neighborhood with an elementary school and high school within .65 mile. The nearest residence is one mile away.

Per the recipient, the existing oil seed crusher facility is fully permitted. Because the storage tanks would contain (vegetable) oil, an above ground storage tank permit will be required and will be acquired by the recipient prior to construction. A maximum of four trucks per day would be utilized to deliver canola seed to the facility, with the average being less than one truck per day. Trucks would also be transporting the resulting oil and meal out of the facility.

According to the USFWS Wetland Mapper and the FEMA Floodplain maps, the proposed location is not within a wetland or floodplain. The proposed site is not in a historic or cultural district. Threatened and endangered species are not known to occur in the area.

The biofuel produced at the Cathcart campus would be used by County vehicles. As proposed, the project would encourage the local production of biofuels thereby reducing the distance the County fleet has to travel to refuel and

avoiding the costs of fossil fuels associated with bringing feedstock from further away. Finally, the proposed project would include the production of biofuel at this facility and add capacity to its existing fueling station. Therefore, the proposed project would develop energy efficient manufacturing because the feedstock would be local. Based on this information, DOE has determined that the work outlined is consistent with activities identified in Categorical Exclusion B5.1 (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 :

Cristina Tyler 8.9.2011

DOE Funding: $109,300
Total Project Cost: $109,300

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____ Date: 8/9/11
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