

PMC-ND
(1.08.09.13)

**U.S. DEPARTMENT OF ENERGY
OFFICE OF ENERGY EFFICIENCY AND RENEWABLE ENERGY
NEPA DETERMINATION**



RECIPIENT: City of Galena

STATE: AK

PROJECT TITLE : Energy Efficiency Assistance for Galena

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-0001567	DE-EE0007854	GFO-0007854-001	GO7854

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:

- A9 Information gathering, analysis, and dissemination** Information gathering (including, but not limited to, literature surveys, inventories, site visits, and audits), data analysis (including, but not limited to, computer modeling), document preparation (including, but not limited to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information dissemination (including, but not limited to, document publication and distribution, and classroom training and informational programs), but not including site characterization or environmental monitoring. (See also B3.1 of appendix B to this subpart.)
- B2.1 Workplace enhancements** Modifications within or contiguous to an existing structure, in a previously disturbed or developed area, to enhance workplace habitability (including, but not limited to, installation or improvements to lighting, radiation shielding, or heating/ventilating/air conditioning and its instrumentation, and noise reduction).
- B5.1 Actions to conserve energy or water** (a) Actions to conserve energy or water, demonstrate potential energy or water conservation, and promote energy efficiency that would not have the potential to cause significant changes in the indoor or outdoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, manufacturers, and designers), organizations (such as utilities), and governments (such as state, local, and tribal). Covered actions include, but are not limited to weatherization (such as insulation and replacing windows and doors); programmed lowering of thermostat settings; placement of timers on hot water heaters; installation or replacement of energy efficient lighting, low-flow plumbing fixtures (such as faucets, toilets, and showerheads), heating, ventilation, and air conditioning systems, and appliances; installation of drip-irrigation systems; improvements in generator efficiency and appliance efficiency ratings; efficiency improvements for vehicles and transportation (such as fleet changeout); power storage (such as flywheels and batteries, generally less than 10 megawatt equivalent); transportation management systems (such as traffic signal control systems, car navigation, speed cameras, and automatic plate number recognition); development of energy-efficient manufacturing, industrial, or building practices; and small-scale energy efficiency and conservation research and development and small-scale pilot projects. Covered actions include building renovations or new structures, provided that they occur in a previously disturbed or developed area. Covered actions could involve commercial, residential, agricultural, academic, institutional, or industrial sectors. Covered actions do not include rulemakings, standard-settings, or proposed DOE legislation, except for those actions listed in B5.1(b) of this appendix. (b) Covered actions include rulemakings that establish energy conservation standards for consumer products and industrial equipment, provided that the actions would not: (1) have the potential to cause a significant change in manufacturing infrastructure (such as construction of new manufacturing plants with considerable associated ground disturbance); (2) involve significant unresolved conflicts concerning alternative uses of available resources (such as rare or limited raw materials); (3) have the potential to result in a significant increase in the disposal of materials posing significant risks to human health and the environment (such as RCRA hazardous wastes); or (4) have the potential to cause a significant increase in energy consumption in a state or region.
- B5.16 Solar photovoltaic systems** The installation, modification, operation, and removal of commercially available solar photovoltaic systems located on a building or other structure (such as rooftop, parking lot or facility, and mounted to signage, lighting, gates, or fences), or if located on land, generally comprising less than 10 acres within a previously disturbed or developed area. Covered actions would be in accordance with applicable requirements (such as local land use and zoning requirements) in the proposed project area and would incorporate appropriate control technologies and best management practices.

Rationale for determination:

The U.S. Department of Energy (DOE) is proposing to provide funding to the City of Galena for energy efficiency and renewable energy solutions in 18 City of Galena owned buildings at Galena, Alaska. These solutions include only light-emitting diode (LED) lighting upgrades in 17 of the 18 city buildings. One building, Building 1769, would receive

LED lighting upgrades; modification, retrofitting, and weatherization solutions to and within the building; and a roof-mounted solar photovoltaic (PV) system.

DOE has reviewed each of the proposed activities and the associated locations where those activities would occur. The LED lighting upgrades would require no modifications to the buildings involved and there would be no change in the use, mission, or operations of these facilities. None of the proposed activities require ground disturbing activities. No new permits are required for any of the activities. Building 1769 would be modified as part of the project. The warehouse is approximately 64,000 square feet (260 ft. x 240 ft.) in size. The proposed project activities would 'wall-in' a smaller area (approximately 10,000 sq. ft.) within the warehouse to more efficiently heat the space for maintaining and storing timber harvesting equipment and the biomass boiler system. The energy efficiency renovations would include construction of a new wall with steel framing, plastic sheeting, high R-value insulation, and sheetrock siding. A new small wood-chip boiler system would be installed to heat the newly created maintenance/storage area. The Loudon Tribal Council is working with the City of Galena to help provide an approximate 6.5 kW solar PV system that would be installed on the roof of the building. This system would be installed facing due south at an angle of approximately 65 degrees which would place the top of the system less than seven feet above the roofline and would require an area of approximately 30 ft. x 12 ft. The project would involve the handling and replacement of fluorescent bulbs so proper handling and disposal practices would be followed. All hazardous mercury would be managed in accordance with federal, state and local environmental regulations. Any and all hazardous ballasts and fluorescent tubes that must be recycled with special care and handling would be shipped out of the community for recycling in Fairbanks or Anchorage. Any construction waste material generated would be disposed of at the local community landfill. The Galena landfill is active and currently permitted with the State of Alaska.

Building 1769 was originally built as a supply warehouse in 1956 as part of the Air Forces' Galena Forward Operating Base (FOB). Due to a Base Realignment and Closure, the Air Force presence at Galena FOB ended in 2008. Building 1769 was transferred to City of Galena ownership after the closure. Based on the final environmental baseline survey of Air Force property at the Galena FOB completed in 2010, 1769 was not considered eligible for listing on the National Register of Historic Places (NRHP) but there were two remaining buildings, 1428 and 1488, that had not been removed or demolished that were eligible for listing on the NRHP and eight other buildings that had been determined eligible for inclusion in the NRHP not on individual merit but only as contributors to an eligible historic district. Due to major changes through the demolition of various contributing elements, the Galena FOB Historic District was recommended as no longer eligible for the NRHP. The Alaska State Historic Preservation Officer (SHPO) concurred with that recommendation in February 2016. With the Galena FOB Historic District no longer considered eligible for the NRHP, the previously eligible contributing elements would also no longer be considered eligible for the NRHP and therefore there is no longer any potential viewshed affects to contributing elements near Building 1769. The visible height of the small roof mounted solar PV system would be less than seven feet above the existing roofline of Building 1769 and the only two remaining eligible historic properties are approximately 650 and 1250 feet away with intervening landscape and buildings to where proposed project work would be occurring mostly inside Building 1769. Based on the above, DOE determined there would be no historic properties affected from the proposed project activities. The Alaska SHPO concurred with this determination in correspondence dated February 28, 2017.

Based on the locations, types, scope, and scale of the proposed activities, as well as the above mentioned historic property review, DOE does not anticipate impacts to integral elements/resources of concern as a result of project activities.

Based on the review of the proposal, DOE has determined the proposal fits within the class of action(s) and the integral elements of Appendix B to Subpart D of 10 CFR 1021 outlined in the DOE categorical exclusion(s) selected above. DOE has also determined that: (1) there are no extraordinary circumstances (as defined by 10 CFR 1021.410 (2)) related to the proposal that may affect the significance of the environmental effects of the proposal; (2) the proposal has not been segmented to meet the definition of a categorical exclusion; and (3) the proposal is not connected to other actions with potentially significant impacts, related to other proposals with cumulatively significant actions, or an improper interim action. This proposal is categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

If the Recipient intends to make changes to the scope or objective of this project, the Recipient is required to contact the Project Officer, identified in Block 15 of the Assistance Agreement before proceeding. The Recipient must receive notification of approval from the DOE Contracting Officer prior to commencing with work beyond that currently approved. If the Recipient moves forward with activities that are not authorized for Federal funding by the DOE Contracting Officer in advance of a final NEPA decision, the Recipient is doing so at risk of not receiving Federal funding and such costs may not be recognized as allowable cost share.

Note to Specialist :

This NEPA determination does not require a tailored NEPA provision.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:  Casey Strickland  Date: 3/1/2017
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