

PMC-ND

(1.08.09.13)

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



RECIPIENT:NREL

STATE: CO

PROJECT

TITLE : STM Shipping & Receiving Roof Replacement, NREL Tracking No. 15-013

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-AC36-08GO28308	NREL-15-013	GO28308

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:

DOE/EA-1968
(NREL STM)

SITEWIDE ENVIRONMENTAL ASSESSMENT, U.S. DOE NATIONAL RENEWABLE ENERGY
 LABORATORY, SOUTH TABLE MOUNTAIN CAMPUS, GOLDEN, COLORADO

Rationale for determination:

The U.S. Department of Energy (DOE) proposes the replacement of the roof of the Shipping & Receiving Building at the National Renewable Energy Laboratory (NREL) South Table Mountain (STM) campus located in Golden, Colorado.

The proposed project would include replacing 12,500 squarefeet of existing roofing membrane of the Shipping & Receiving Building with a new EPDM roofing material, installing handrails around the edge of the main roof and around the edge of the elevated roof above the office section of the building for fall protection, and installing nine solar tubes in the roof for daylighting purposes. EPDM is an elastomeric compound that is manufactured from ethylene, propylene, and a small amount of diene monomer, and exhibits a high degree of ozone, ultraviolet, weathering and abrasion resistance, and outstanding low temperature flexibility. The project would result in increased fall protection, less thermal gain from the roof surface because new roof surface would be white, and incorporate more daylighting in the building to reduce electricity consumption for lighting. Therefore, this proposed project would also help NREL meet its sustainable building goals. More details on the proposed project are included in the Scope of Work and drawings uploaded to the PMC database.

Fugitive particulate emissions from the construction would be controlled during demolition, including mitigation measures like dust suppression. The construction phases would require the utilization of mobile point emission sources, such as support trucks, aerial lifts, and dump trucks, but these emissions would be negligible given the size and duration of the construction activity. All products and adhesives would be low volatile organic compound (VOC) containing and the emission of VOCs would be minimal. Construction-related noise would consist of a short-term, intermittent increase in ambient noise levels and would abide by applicable noise ordinances.

The existing roof materials of the Shipping & Receiving do not contain asbestos or other hazardous materials. New roofing materials, flashings, and adhesives would be non-hazardous and low VOC. All materials and waste would be managed accordingly under NREL's waste management program and recyclable construction materials would be diverted from the landfill and properly recycled. NREL and its contractors would follow applicable federal, state and local regulations, as well as NREL EHS policies and procedures.

Per agency consultations conducted during the Site-Wide Environmental Assessment for the NREL South Table Mountain campus (DOE/EA-1968), no cultural resources, threatened or endangered species, wetlands, floodplains, or prime farmlands would be impacted by this proposed project.

The operation and maintenance of facilities, building systems, and infrastructure was included within the scope of the Proposed Action (Enhancing Site Operations) analyzed in the December 2014 NREL STM Site-Wide Environmental

Assessment (DOE/EA-1968). DOE/EA-1968 and its Finding of No Significant Impact (FONSI) are hereby incorporated by reference. DOE has determined that these activities are bounded by the environmental impact analysis contained in DOE/EA-1968, and its FONSI, and no further NEPA review is required.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

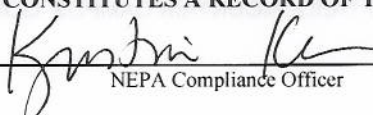
If you intend to make changes to the scope or objective of your project you are required to contact the Project Officer identified in Block 11 of the Notice of Financial Assistance Award before proceeding. You must receive notification of approval from the DOE Contracting Officer prior to commencing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

Note to Specialist :

NEPA review prepared by Rob Smith on 04/09/2015
National Renewable Energy Laboratory

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature: _____


NEPA Compliance Officer

Date: _____

4/14/2015

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: _____