

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: [NREL-20-004-STM TTF Chiller Installation](#)

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
	DE-AC36-08GO28308	20-004	GO28308

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Policy 451.1), 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
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Rationale for determination:

The U.S. Department of Energy's (DOE) National Renewable Energy Laboratory (NREL) proposes to install a chiller and associated HVAC system at the Thermal Test Facility (TTF) located at the NREL South Table Mountain campus in Golden, Colorado.

Project activities would include the following:

- A temporary construction gravel access path, approximately 12 feet wide, would be established along the west side of the TTF and a portion of the north side of the building to access the work area.
- Approximately 215 cu. ft. of soil would be excavated on the northwest corner of the TTF, and a portion of the existing concrete pad would be demolished measuring approximately 7' x 12'.
- A new concrete pad would be poured in the excavated area that would measure approximately 10' x 21.5', and 1' deep.
- A new 100T chiller would be installed on the new concrete pad. Associated pumps, metering, piping, and equipment would also be installed.
- HVAC connections into the building interior would be made. Duct work from the outdoor chiller, located on the north side of the TTF, would be installed through the north wall and run to four air handling units on the second level mezzanine.

Work would begin in May 2020 and would last approximately 12 weeks.

Ground disturbance would occur in areas that have been previously disturbed, and the laydown area for equipment and materials would be on the TTF paved parking area. Erosion control measures would be used and maintained during and after the project period. Areas that are disturbed during construction would be revegetated at the conclusion of the project. All ground disturbing activities would be conducted in accordance with existing NREL policies and procedures that guide such work.

Project activities would not affect cultural resources, threatened or endangered species, wetlands, floodplains, or prime farmlands, and no permits would be required. A migratory bird nesting survey would be completed if project activities involving ground disturbance occur between March 15 and September 15. If nests or eggs are found, the area would be cordoned off with a proper buffer until nestlings fledge.

Mobile air emissions from excavation activities would be negligible and short-term. Construction-related noise would consist of a short-term, intermittent increase in ambient noise levels and would follow applicable noise ordinances. Waste materials would be reused, recycled, or disposed of in accordance with applicable regulations and NREL policy and procedures. Concrete washout would either occur offsite or using EcoPans.

Individuals working on this project could be exposed to physical and electrical hazards. Existing corporate health and safety policies and procedures would be followed including employee training, proper protective equipment, engineering controls, and monitoring. Temporary traffic control measures may also be needed. Additional policies and procedures would be implemented as necessary if new health and safety risks are identified.

NEPA PROVISION

DOE has made a final NEPA determination.

Include the following condition in the financial assistance agreement:

A migratory bird nesting survey shall be completed if project activities involving ground disturbance occur between March 15 and September 15.

Notes:

NREL
Nicole Serio, 5/15/2020

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:  Electronically Signed By: Lisa Jorgensen Date: 5/15/2020
NEPA Compliance Officer

FIELD OFFICE MANAGER DETERMINATION

- ☒ Field Office Manager review not required
☐ Field Office Manager review required

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature: _____ Date: _____
Field Office Manager