PMC-ND

(1.08.09.13)

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



University of Maryland STATE: RECIPIENT: MD

PROJECT TITLE:

Heat Transfer Technologies, Oak Ridge National Laboratory, Sunamp, Rheem, Electric Power Research Institute

NEPA Control Number CID Number Funding Opportunity Announcement Number DE-FOA-0002196 Procurement Instrument Number

Based on my review of the information concerning the proposed action as NEPA Compliance Officer (authorized under DOE Policy 4511), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

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, document publication and distribution, and classroom training and information disprograms), but not including site characterization or environmental monitoring. (See also be to this subpart.)

B3.6 Small-scale research and development, aboratory operations, and pilot projects ample analysis); and small-scale pilot projects (generally less than 2 years) frequently conducted to verify a concept before demonstration actions, provided that construction or modification would be within or configuous to a previously disturbed or developed area (where active utilities and currently used roads are readily accessible). Not included in this category are demonstration actions, meaning actions that are undertaken at a scale to show whether a technology would be viable on a larger scale and suitable for commercial deployment.

B5.1 Actions to conserve energy or water

underfaken at a scale to show whether a technology would be visible on a larger scale and suitable for commercial deployment.

(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 unables), and 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 tillities), and governments (such as state, local, and tirbal). Covered actions include, but are not limited to weatherexistation (such as insulation and replacing windows and doors); programmed lowering of themselves, the programmed lowering of themselves, as the such as the cause of the programmed lowering of themselves, as the such as the cause of the programmed lowering of themselves, as the such as the cause of the programmed lowering of themselves, and appliances; installation of drip-irrigation systems; improvements in generator efficiency and appliance efficiency inprovements for vehicles and transportation, such as fleet changeout; because the programmed lowering systems, and appliances; installation of drip-irrigation systems; provements for expensive systems, and appliances; installation of drip-irrigation systems; improvements in generator efficiency and appliance efficiency and provements for expensive systems, and appliances; installation of drip-irrigation systems; provements for expensive systems, and appliances; installation of drip-irrigation systems; provements for expensive systems, and appliances; installation of drip-irrigation systems; and appliances; installation of drip-irrigation systems; proved cancers, and as a state of s

Rationale for determination

NEPA	PRO	VISION

DOE has madea conditional NEPA determination

The NEPA Determination applies to the following Topic Areas, Budget Periods, and/or tasks:

The NEPA Determination does not apply to the following Topic Area, Budget Periods, and/or tasks:

A completed EQ is required for the TBD field site. A separate NEPA review is required for the TBD field site. This CX covers all activities except the TBD field site.

Include the following condition in the financial assisstance agreement

Notes

A completed EQ is required for the TBD field site. A separate NEPA review is required for the TBD field site. This CX covers all activities except the TBD field site. This CX does not cover field testing on historic buildings or structures. These properties

FOR CATEGORICAL EXCLUSION DETERMINATIONS

The proposed action (or the part of the proposal defined in the Rationals above) fits within a class of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D. To fit within the classes of actions listed in 10 CFR Part 1021, Subpart D. To fit within the classes of actions listed in 10 CFR Part 1021, Subpart D. Appendix B, a proposal must be one that would not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environments, sifety, and health or similar requirements of DOE or Executive Orders. (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment actions or facilities. (3) disturbing incinerators, but the proposal must proposal must be recovery, or treatment actions for facilities. (3) the but heardous substances, publications, contaminants, or CERCLA-excluded persolenum and natural gas products that precess in the environment such that there would be uncontrolled or unpermitted reclasses. (4) have the potential to cause significant impacts on environmentally sensitive resources, including but not limited to, those listed in pragraph B(4) of 10 CFR Part 1021, Subpart D. Appendix B. (5) involve genetically engineered organisms, synthetic biology, governmentally designated movinous weeds or invasive species, unless the proposal activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conduced in accordance with applicable requirements, such as those itsed in paragraph B(6) of 10 CFR Part 1021, Subpart D. Appendix B.

There are no extraordinary circumstances related to the proposed action that may affect the significance of the environmental effects of the proposal

The proposed action has not been segmented to meet the definition of a categorical exclusion. This proposal is not comeeted to other actions with potentially significant impacts (40 CFR 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1508.27(b)(7)), and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement.

A portion of the proposed action is categorically excluded from further NEPA review. The NEPA Provision identifies Took: Areas, Budget Periods, tasks, and/or subtasks that are subject to additional NEPA review.

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer S	Signature:	Electronically Signed By: Jesse Garcia	Date:	9/17/2021	
	_	NEPA Compliance Officer			
FIELD OFFICE MANAG	ER DETERMINATION				
_	nager review not required nager review required				
BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO:					
Field Office Manager's Sign	ature:		Date:		
	<u></u>	Field Office Manager	·		