

PMC-ND

(1.08.09.13)

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

**RECIPIENT:** DOE EERE AMO**STATE:** Mult

PROJECT TITLE: Conductivity-enhanced materials for Affordable, Breakthrough Leapfrog Electric applications (CABLE) Conductor Manufacturing Prize; Stage 1

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
PRIZE	NA	GFO-CABLEprize-001	

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:

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.)

Rationale for determination:

The U.S. Department of Energy (DOE) is proposing to authorize the administration of a prize competition known as the Conductivity-enhanced materials for Affordable, Breakthrough Leapfrog Electric applications (CABLE) Conductor Manufacturing Prize (Prize). Through this Prize DOE seeks to identify, verify, and reward new materials and manufacturing methods that achieve significant enhancements in electrical conductivity. There are three proposed stages under the prize. Currently, only Stage 1 rules have been established. Official rules for Stage 2 and Stage 3 will be released prior to each stage, therefore a review of potential impacts associated with those stages is not possible at this time. Additional NEPA review will be required once the rules for subsequent stages are released.

In Stage 1, competitors would submit concepts to develop and manufacture new, affordable, conductivity-enhanced material useable for electrical applications. Up to ten (10) winners would be selected during Stage 1 to receive cash awards and a stipend for third-party testing of their material in Stage 2 of the prize.

Prize competition activities of any team selected under Stage 1 rules would include only intellectual, academic, or analytical activities (e.g. data analysis, feasibility studies, conceptual design, etc.). Based on the types of activities occurring in Stage 1, DOE does not anticipate any impacts to resources of concern.

NEPA PROVISION

DOE has made a conditional NEPA determination.

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

Stage 1

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

Stage 2

Stage 3

Notes:

Advanced Manufacturing Office

FOR CATEGORICAL EXCLUSION DETERMINATIONS

The proposed action (or the part of the proposal defined in the Rationale 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, Appendix B, a proposal must be one that would not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, 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 facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities; (3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources, including, but not limited to, those listed in paragraph B(4) of 10 CFR Part 1021, Subpart D, Appendix B; (5) involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment and conducted in accordance with applicable requirements, such as those listed in paragraph B(5) 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 connected 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 Topic 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 Signature:


NEPA Compliance Officer

Date: 3/19/2021

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:

Field Office Manager

Date: _____