

PMC-ND
(1.08.09.13)

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



RECIPIENT: TBD based on Prize Process

STATE: Mult

PROJECT TITLE: Water Resource Recovery Prize - Phase 1

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
		GFO-WaterResourceRecoveryPrize-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 Water Resource Recovery Prize (Prize). This Prize is part of a larger effort known as the Water Security Grand Challenge, which is a White House-initiated and DOE-led framework to advance transformational technology and innovation to meet the global need for safe, secure, and affordable water. Through the Water Resource Recovery Prize DOE seeks to accelerate the transition from conventional wastewater treatment to a model of resource recovery from municipal wastewater and focus on the Water Security Grand Challenge goal of doubling resource recovery from water resource recovery facilities by 2030. There are two proposed phases under the prize. Teams selected during Phase 1 would be eligible to participate in the second phase of the competition. More-specific rules governing Phase 2 submissions will be released at the conclusion of Phase 1 (i.e., late April or early May of 2020), therefore a review of potential impacts associated with Phase 2 projects is not possible at this time. Additional NEPA review will be required once Phase 2 rules are released.

In Phase 1, teams would submit two high-level facility engineering schematics (i.e., diagrams for before and after implementation of the proposed resource recovery technology/strategy), a business case demonstrating improvement relative to the existing baseline conditions, and an accompanying technical description that demonstrates the potential for cost effectiveness and viability of their resource recovery plan. Up to ten (10) prizes would be awarded.

Activities of any team selected under Phase 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 Phase 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:

Phase 1 activities

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

Phase 2 activities

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: _____



Casey Strickland

NEPA Compliance Officer

Date: 2/3/2020

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: _____