

CATEGORICAL EXCLUSION (CX) DETERMINATION FORM

Funding Authority (Base, IIJA, IRA, CDS): IIJADOE Funding Office (HGEO, EERE, OE, etc.): HGEOSolicitation (NOFO) Number: DE-FOA-0003605Award Number: DE-CD0000166

Prime Recipient Name and Location:

Sub-Recipient Name and Location:

AES Puerto Rico, L.P. - Guyama, Puerto Rico; San Juan, Puerto Rico; Arlington, VA

Terraforma - State College, PA

NETL Org.: TDCNETL Project Manager: Dylan LearyTitle of Proposed Action: Guayama Plant Reliability, Life Extension, and CCUS Feasibility Project

Brief Description of Proposed Action:

The project will: (i) implement a number of reliability/life extension upgrades to the AES Puerto Rico power station in Guayama, Puerto Rico; and (ii) conduct a Front-End Engineering Design (FEED) study on implementing large-scale carbon capture and CO₂-to-methanol conversion at the plant.

ADMINISTRATIVE AND ROUTINE ACTIONS EXCEPTED FROM NEPA REVIEW, 10 CFR 1021 APPENDIX A

☐ The NETL NEPA Division has reviewed all proposed project activities and has determined that NEPA does not apply.

THE PROPOSED ACTION FALLS WITHIN THE FOLLOWING CATEGORICAL EXCLUSION(S) FROM 10 CFR 1021, Appendix B

Facility Operation

- ☒ B1.3 - Routine maintenance
- ☐ B1.7 - Electronic equipment
- ☐ B1.13 - Pathways, short access roads, and rail lines
- ☐ B1.15 - Support buildings
- ☒ B1.31 - Installation or relocation of machinery and equipment

Safety and Health

- ☐ B2.1 - Workplace enhancements
- ☐ B2.2 - Building and equipment instrumentation
- ☐ B2.3 - Personnel safety and health equipment

Site Characterization, Monitoring, and General Research

- ☐ B3.1 - Site characterizations and environmental monitoring
- ☐ B3.2 - Aviation activities (aerial survey and mapping)
- ☐ B3.6 - Small-scale research and development, laboratory operations, and pilot projects
- ☐ B3.7 - New terrestrial infill exploratory and experimental wells
- ☒ B3.9 - Projects to reduce emissions and waste generation
- ☐ B3.11 - Outdoor tests and experiments on materials and equipment components

Electrical Power and Transmission

- ☐ B4.4 - Power marketing services and activities
- ☐ B4.6 - Additions and modifications to transmission facilities
- ☐ B4.11 - Electric power substations and interconnection facilities
- ☐ B4.12 - Construction of powerlines (up to 10 miles, or up to 20 miles if within previously disturbed or developed powerline or pipeline rights-of-way)
- ☐ B4.13 - Upgrading and rebuilding existing power lines
- ☐ B4.14 - Construction and operation of electrochemical-battery or flywheel energy storage systems

Conservation, Fossil, and Renewable Energy Activities

- ☐ B5.1 - Actions to conserve energy or water
- ☐ B5.3 - Modification or abandonment of wells
- ☐ B5.4 - Repair or replacement of pipelines
- ☐ B5.5 - Short pipeline segments (up to 20 miles)
- ☐ B5.12 - Workover of Existing Wells
- ☐ B5.13 - Experimental wells for injection of small quantities of carbon dioxide (up to 500,000 tons per geologic formation)
- ☐ B5.14 - Combined heat and power or cogeneration systems
- ☐ B5.15 - Small-scale renewable energy research and development and pilot projects
- ☐ B5.16 - Solar photovoltaic systems
- ☐ B5.18 - Wind turbines
- ☐ B5.21 - Methane gas recovery and utilization systems
- ☐ B5.22 - Alternative fuel vehicle fueling stations
- ☐ B5.23 - Electric vehicle charging stations

Other

☐ Specify category/categories in space below



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THE PROPOSED ACTION FALLS WITHIN THE FOLLOWING CATEGORICAL EXCLUSION(S) ADOPTED FROM OTHER FEDERAL AGENCIES PURSUANT TO SECTION 109 OF NEPA (42 U.S.C. 4336c) (APPENDIX C OF DOE'S NEPA IMPLEMENTING PROCEDURES).

This action (1) would not present any extraordinary circumstances such that the action might have a significant impact upon the human environment; (2) is not connected to other actions with potentially significant impacts; and (3) has not been segmented in order to meet the definition of a Categorical Exclusion.

SELECT ONE OF THE FOLLOWING

- ☒ This Determination includes all tasks, phases, recipients, and locations for the proposed action.
- ☐ This Determination does not include all tasks, phases, recipients, and locations for the proposed action. Only the following tasks, phases, recipients, or locations specified below are included:

NCO Comment Only: The following comment is provided for the consideration of the Contract Specialist or Contracting Officer:

Project tasks include administrative activities only in San Juan PR, Arlington VA, and State College PA. These locations and activities are exempt from NEPA.

The NETL Project Manager acknowledges the responsibility to obtain a NEPA determination prior to initiating or modifying any activities outside the scope of this Categorical Exclusion determination.

DOE Project Manager Signature: DYLAN LEARY Digitally signed by DYLAN LEARY
Date: 2026.09.01 11:49:41 -04'00'

Date: 09/01/2026

NEPA Compliance Officer Signature: PIERINA FAYISH Digitally signed by PIERINA
FAYISH
Date: 2026.09.02 09:51:15 -04'00'

Date: 09/02/2026



CATEGORICAL EXCLUSION (CX) DETERMINATION FORM

U.S. DEPARTMENT OF ENERGY – NATIONAL ENERGY TECHNOLOGY LABORATORY

CATEGORICAL EXCLUSION (CX) DETERMINATION FORM

The purpose of this form is to request and obtain approval for a Categorical Exclusion (CX) determination under the National Environmental Policy Act (NEPA) for National Energy Technology Laboratory activities and extramural awards.

Instructions

Provide the following information:

- Funding Authority
- DOE Funding Office
- Solicitation Number
- Award Number
- Prime Recipient Name and Location
- Sub-Recipient Name and Location
- NETL Organization
- NETL Manager
- Title of proposed action
- Brief description of activities

Check all the boxes that apply; Use the "Other" category and the space provide to list any information not already listed.

Acquire the signature of the initiator as well as the NEPA Compliance Officer

A space is provided above the signature blocks to list any considerations that may be valuable to the contracting officer.

