NETL F 451.1-1/1
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(Previous Editions Obsolete)

U.S. DEPARTMENT OF ENERGY - NETL

CATEGORICAL EXCLUSION (CX) DESIGNATION FORM

Project No.: DE-FE0032451 Recipient Name: EPRI Project Location: Palo Alto, CA

Sub-recipient(s) and Locations:

CRC (Bakersfield and Wendel, CA); Sierra Institute (Lassen and Plumas Counties, CA); PNNL (Richland, WA); CGS (Sacramento and Eureka, CA); Carbfix (Kopavogur, Iceland); Blade Energy Partners (Houston and Frisco, TX)

NETL Sponsoring Org.: FECM/TDS/CM/Carbon Trans & Storage NETL Contact: James Gardiner

Brief Title of Proposed Action: California-Nevada CO2 Storage Project (CANstore) - Site Feasibility Study

Brief Description of Activities:

Geologic characterization of a reservoir in Northeastern California, near the Nevada border. Includes drilling a stratigraphic well and planning for high-density gravity survey. Map attached to CRC EQ.

THE PROPOSED ACTION FALLS WITHIN THE FOLLOWING CATEGORICAL EXCLUSION(S) FROM APPENDICES A AND B TO SUBPART D OF DOE NEPA IMPLEMENTING PROCEDURES (10 CFR 1021):

General Administration/Management
- ☐ A1 – Routine business actions
- ☒ A9 – Info gathering, analysis, documentation, dissemination, and training
- ☒ A11 – Technical advice and planning assistance

Facility Operations
- ☐ B1.3 – Routine maintenance and custodial services
- ☐ B1.7 – Communication system and data processing equipment acquisition, installation, operation, removal
- ☐ B1.15 – Support building or structure, non-waste storage, construction/ operation

Safety and Health
- ☐ B2.1 – Modifications to enhance workplace habitability
- ☐ B2.2 – Installation/improvement of building/equipment instrumentation
- ☐ B2.3 – Installation of equipment for personnel safety and health

General Research
- ☒ B3.1 – Site characterization/environmental monitoring
- ☒ B3.6 – R&D or pilot facility construction/operation/decommissioning
- ☐ B3.7 – New infill exploratory, experimental oil/gas/geothermal well construction and/or operation
- ☐ B3.9 – Certain CCT demonstration activities, emissions unchanged
- ☐ B3.11 – Outdoor tests, experiments on materials and equipment components

Electrical Power and Transmission
- ☐ B4.4 – Power management activities (storage, load shaping, and balancing)
- ☐ B4.6 – Transmission support addition/modifications at developed facility site
- ☐ B4.11 – Construction of power substations and interconnection facilities
- ☐ B4.13 – Upgrading and rebuilding existing power lines (< 20 miles)

Conservation, Fossil, and Renewable Energy Activities
- ☐ B5.1 – Actions to conserve energy, no indoor air quality degradation
- ☐ B5.3 – Modification/abandonment of wells
- ☐ B5.5 – Short crude oil/gas/steam/geothermal/carbon dioxide pipeline const/oper within an existing right-of-way (< 20 miles) between existing facilities
- ☐ B5.13 – Experimental wells for injection of small quantities of carbon dioxide (< 500,000 tons)
- ☐ B5.15 – Small scale renewable energy research/development/pilot projects
- ☐ B5.22 – Alternative fuel vehicle fueling stations
- ☐ B5.23 – Electric vehicle charging stations

Other
- ☒ Specify category: B1.13 Upgrade existing access road
- ☒ Specify category: B3.1 Build well pad and drill stratigraphic well
- ☐ Specify category:

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; (3) is not related to other actions with cumulatively significant impacts; and (4) is not inconsistent with 10 CFR 1021.211 - Interim Actions or 40 CFR 1506.1 - Limitations during the NEPA process.

SELECT ONE OF THE FOLLOWING:
- ☐ This Categorical Exclusion includes all tasks and phases in the Statement of Work or Statement of Project Objectives for this project.
- ☒ This Categorical Exclusion is only valid for the following tasks/phases All except Subtask 2.2.3 . The DOE initiator acknowledges the responsibility to obtain a NEPA determination prior to initiating any activities outside the scope of this Categorical Exclusion.

SELECT ONE OF THE FOLLOWING:
- ☐ This Categorical Exclusion includes all locations and activities for this project.
- ☒ Additional sites, sub-recipients, or activities cannot be identified at this time. The DOE initiator acknowledges the responsibility to obtain a NEPA determination prior to initiating any activities outside the scope of this Categorical Exclusion.

NOTE: ANY CHANGE(S) TO THE PROJECT SCOPE OR LOCATIONS MAY REQUIRE A NEW NEPA DETERMINATION.

DOE Initiator Signature: James B. Gardiner Digitally signed by James B. Gardiner Date: 2024.02.23 16:10:22 -05'00' Date: 02 / 23 / 2024 (month / day / year)

NEPA Compliance Officer: JILL TRIULZI Digitally signed by JILL TRIULZI Date: 2024.03.27 14:35:15 -04'00' Date: 03 / 27 / 2024 (month / day / year)

The following special condition is provided for the consideration of the Contracting Officer:

NCO Note: Some project activities will occur outside of the U.S. NEPA is a U.S. law. Participants are advised to follow all laws/regulations of the host nation (Iceland). CX approval is for all tasks except Subtask 2.2.3 High Resolution Gravity Survey. Written authorization received from BLM to access BLM land to be submitted for NEPA review.