

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: IF-654 (EROB) Motor Coach Charging Station Installation

SECTION B. Project Description and Purpose:

Revision 1:

This project will be a revision to the electric vehicle charging station scope identified in INL-19-159 for REC facilities. This revision will include the following scope for installing three motor coach (bus) charging stations at IF-654 (EROB):

Three electric motor coach charging stations will be installed in the NE parking lot of IF-654. Installation will include trenching (approx. 300 ft) from a power pole near the parking lot exit (near Fremont Ave) through the landscaped grass. Three charging stations (Depot charge boxes) with concrete pads will be located in the grass area along the existing parking lot curb. Trenching will continue on to a new transformer and power distribution cabinet that will sit on a new concrete pad near the charging stations and intercept an existing 12.47kV circuit. Conduit will be installed and wire connections will be made. Existing parking stalls will be changed to accommodate three motor coaches. The grass area that is disturbed around the charge stations and transformer will be replaced with xeriscaping.

Original Scope:

To promote goals in the Idaho National Laboratory (INL) Sustainability Plan, the proposed action installs electric vehicle charging stations, mounted on concrete pedestal footings, near the INL Administration Building (IF-606), the INL Research Center (IRC) (IF-605), and the Engineering Research Office Building (IF-654). The project removes the existing charging stations and replaces or reuses electrical conduit and conductors, wire, heater racks, heater J-box, heater, signs and signposts and installs a new pre-cast concrete pad for anchoring the air monitor at IRC. The system ties into the existing electrical circuits. Project activities require asphalt removal and replacement, soil excavation, replacing parking curbs, and repainting parking stalls.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Fugitive dust could be generated during excavation activities.

Discharging to Surface-, Storm-, or Ground Water

The North Fork of Willow Creek flows near the project location. The size of the excavation (approx. 2700 square feet) will be less than 1 acre and does not require a SWPPP. The stream bank and bed will not be disturbed and excavated materials such as soil, concrete, asphalt, etc. will not be staged near the creek.

Disturbing Cultural or Biological Resources

This federal undertaking has been determined to have the potential to affect historic properties. Please refer to the attached CRR BEA-23-H006 for CRMO requirements. Excavation is currently scheduled outside nesting bird season (April - October).

Generating and Managing Waste

Typical non-hazardous construction debris waste will be generated.

Releasing Contaminants

Fuel, marking paint and other chemicals will be used on the project.

Using, Reusing, and Conserving Natural Resources

Scrap metal and wire will be generated and recycled where practicable.

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SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification: Identify the applicable categorical exclusion from 10 Code of Federal Regulation (CFR) 1021, Appendix B, give the appropriate justification, and the approval date.

For Categorical Exclusions (CXs), the proposed action must not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, or similar requirements of Department of Energy (DOE) or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment or facilities; (3) disturb hazardous substances, pollutants, contaminants, or Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; (4) have the potential to cause significant impacts on environmentally sensitive resources (see 10 CFR 1021). In addition, no extraordinary circumstances related to the proposal exist that would affect the significance of the action. In addition, the action is not "connected" to other action actions (40 CFR 1508.25(a)(1)) and is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1608.27(b)(7)).

References:

10 CFR 1021, Appendix B to subpart D, item B5.23, "Electric vehicle charging stations."

Justification:

Project activities are consistent with 10 CFR 1021, Appendix B, B5.23, "The installation, modification, operation, and removal of electric vehicle charging stations, using commercially available technology, within a previously disturbed or developed area. Covered actions are limited to areas where access and parking are in accordance with applicable requirements (such as local land use and zoning requirements) in the proposed project area and would incorporate appropriate control technologies and best management practices."

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act) Yes No

Approved by Jason L. Anderson, DOE-ID NEPA Compliance Officer on: 12/19/2022