

DOE-ID NEPA CX DETERMINATION

Idaho National Laboratory

SECTION A. Project Title: Electric Vehicle Charging Station Installation at CFA

SECTION B. Project Description and Purpose:

Idaho National Laboratory is required under the Energy Policy Act of 2005 (EPACT 2005) and Energy Independence and Security Act of 2017 (EISA 2007) to reduce petroleum consumption as well as Greenhouse Gas (GHG) emissions. In addition, Executive Order 13834, Efficient Federal Operations, mandates that federal agencies increase efficiency, optimize performance, eliminate unnecessary use of resources, and protect the environment. To meet these requirements, the INL fleet is adding plug-in electric vehicles and mandating that an infrastructure be in place to allow for fleet vehicle charging.

The Fixing America's Surface Transportation Act (FAST Act) authorizes the General Services Administration and other Federal agencies including Department of Energy to install and operate plug-in electric vehicle (PEV) charging stations for privately owned PEVs in parking areas used by Federal employees and authorized users, and provides for the collection of fees to recover these costs.

The proposed project would install eleven ChargePoint CT4000 Level 2 electric vehicle charging stations at vehicle parking stalls located near CFA-609 (2 stations), CFA-612 (2 stations), CFA-623 (2 stations), CFA-696 (3 stations) and CFA-1611 (2 stations).

The ChargePoint stations would require the following activities:

- installation of concrete pedestals
- removal of concrete/asphalt
- trenching from each parking stall to the area building
- installation of direct buried cable in the trenches (18-inch depth)
- penetrating the building wall
- installing electrical transformers/panels/breakers/conduit inside the building, and
- repairing the concrete/asphalt where trenching occurred

Installation of the charging stations will begin with the CFA-696 project and will continue on with the other facilities as funding and resources become available.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Fugitive dust may be generated during soil disturbing activities.

Discharging to Surface-, Storm-, or Ground Water

N/A

Disturbing Cultural or Biological Resources

Nesting birds may be near the project. During migratory nesting bird season (April 1 – October 1), the project is likely to encounter nests containing birds and / or eggs located in vegetation or under the eaves of buildings. If this occurs, contact the facility PEL immediately. Do not remove bird nests or eggs without permission from the PEL and cease any activities near the nests that could disturb the birds or their nests.

Although unlikely, cultural artifacts could be discovered during trenching activities.

Generating and Managing Waste

General construction debris such as asphalt, concrete, scrap metal, wire, etc. would be generated during the project. Hazardous waste is not expected to be generated.

Releasing Contaminants

Standard construction chemicals such as fuels, adhesives, lubricants, asphalt, striping paints, etc. would be used during the project and can potentially be spilled.

Using, Reusing, and Conserving Natural Resources

Scrap metal such as conduit, wire, charging stations, etc. would be recycled or reused where practicle. Electric charging stations promotes non-fossil fuel electric vehicle use.

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)

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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 Sturm, DOE-ID NEPA Compliance Officer on: 3/2/2020