

Categorical Exclusion Determination

Bonneville Power Administration
Department of Energy



Proposed Action: Electronic Equipment and HVAC Replacement and Upgrades at Existing Buildings or Facilities through 2020 (*Update to previous CX signed on September 15, 2017*)

Project Manager: Multiple

Location: Multiple locations in Idaho, Oregon, Washington, Montana, California, Nevada, Utah, and Wyoming

Categorical Exclusion Applied (from Subpart D, 10 C.F.R. Part 1021): B1.7 Electronic Equipment, B1.4 Air Conditioning Systems for Existing Equipment

Description of the Proposed Action: Bonneville Power Administration (BPA) proposes to replace, upgrade, and/or modify a variety of electronic equipment as the need arises at existing buildings throughout the BPA service territory. BPA also proposes to conduct heating, ventilation, and air conditioning (HVAC) activities that would support the electronic equipment replacements, upgrades, or modifications. This categorical exclusion is an update to the September 15, 2017 version to provide clarification that ground disturbance associated with HVAC pad installation is covered under this categorical exclusion. Specifically, BPA proposes to conduct the following activities at existing buildings or facilities:

- **Electronic equipment upgrades** – Upgrade electronic equipment required for operation and maintenance of BPA’s transmission grid. Several types of actions involving communications, meters, relays, Remedial Action Scheme (RAS) and Supervisory Control and Data Acquisition (SCADA) system upgrades would fall into this class of actions. Activities could include installing new equipment racks, new cabinets, phone systems, radios, meters, disconnects, switches, power circuit breakers, capacitive voltage transformers, bus ties, inter- and intra-net equipment, and associated wiring. Electronic equipment upgrades or modifications in support of new interconnection or integration activities are not included.
- **Heating, ventilation and air conditioning (HVAC) upgrades and replacements** – Modify HVAC systems to accommodate electronic equipment installation or workplace comfort/safety. Activities falling under this class of action could include: replacing HVAC equipment with new equipment installed in the same location or within 5 feet of the previous location; widening existing holes or cutting holes in the exterior building wall near the existing HVAC equipment to accommodate the new size or shape of the replacement equipment; installing new concrete pads for exterior HVAC units; replacing solar panels; and installing or replacing duct work, wiring, and other electrical-related equipment inside the building or facility.

These actions would occur at existing facilities, would not require major exterior building modification (e.g. removing or replacing windows or doors, cutting new wall holes in new locations), would not require major interior building modifications (e.g. tearing out walls), and would not require ground disturbing activities with the exception of new concrete HVAC unit pads. The installation of new

concrete HVAC unit pads would be allowed as they would be located within the compacted gravel fill that constitutes the working surface of the substation. Any activities that involve hazardous materials such as lead-acid batteries containing mercury would be disposed of at a designated hazardous waste facility.

Each project would be reviewed by the BPA NEPA lead to ensure that the activities fall within the range of those described in this Categorical Exclusion prior to initiating work.

Findings: In accordance with Section 1021.410(b) of the Department of Energy's (DOE) National Environmental Policy Act (NEPA) Regulations (57 FR 15144, Apr. 24, 1992, as amended at 61 FR 36221-36243, July 9, 1996; 61 FR 64608, Dec. 6, 1996, 76 FR 63764, Nov. 14, 2011), BPA has determined that the proposed action:

- (1) fits within a class of actions listed in Appendix B of 10 CFR 1021, Subpart D (see attached Environmental Checklist);
- (2) does not present any extraordinary circumstances that may affect the significance of the environmental effects of the proposal; and
- (3) has not been segmented to meet the definition of a categorical exclusion.

Based on these determinations, BPA finds that the proposed action is categorically excluded from further NEPA review.

/s/ Katey Grange

Katey Grange

Environmental Protection Specialist

Concur:

/s/ Stacy L. Mason

Stacy L. Mason

NEPA Compliance Officer

Date: February 5, 2018

Attachment(s): Environmental Checklist

Categorical Exclusion Environmental Checklist

This checklist documents environmental considerations for the proposed project and explains why the project would not have the potential to cause significant impacts on environmentally sensitive resources and would meet other integral elements of the applied categorical exclusion.

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Project Site Description

Existing fenced and graveled facilities, including electric substations and control houses, maintenance headquarters, and radio facility support structures. These facilities are located in BPA's service territory, including Idaho, Oregon, Washington, western Montana and small parts of eastern Montana, California, Nevada, Utah and Wyoming.

Evaluation of Potential Impacts to Environmental Resources

Environmental Resource Impacts	No Potential for Significance	No Potential for Significance, with Conditions
1. Historic and Cultural Resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Explanation:</u> BPA Historian and Archeologist reviewed proposed activities and determined that these types of activities do not have the potential to cause effects to historic properties.		
2. Geology and Soils	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Explanation:</u> No ground disturbance beyond previously-compacted and graveled areas would occur, so there would be no impacts to soils and geology		
3. Plants (including federal/state special-status species)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Explanation:</u> No ground disturbance in areas with vegetation would occur and no plants would be disturbed		
4. Wildlife (including federal/state special-status species and habitats)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Explanation:</u> Work would occur in existing, fenced facilities. No wildlife habitat present.		
5. Water Bodies, Floodplains, and Fish (including federal/state special-status species and ESUs)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Explanation:</u> Work would occur in existing, fenced facilities; no water or fish resources present.		
6. Wetlands	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<u>Explanation:</u> Work would occur in existing, fenced facilities no wetlands present.		

7. **Groundwater and Aquifers**

Explanation: No ground or groundwater disturbance would occur.

8. **Land Use and Specially Designated Areas**

Explanation: No change in land use would occur.

9. **Visual Quality**

Explanation: No change in the visual character of the facilities would occur.

10. **Air Quality**

Explanation: Minor, temporary generation of emissions associated with increased vehicle traffic would occur during construction.

11. **Noise**

Explanation: Minor, intermittent noise associated with installation activities would occur during construction.

12. **Human Health and Safety**

Explanation: Any hazardous materials such as batteries generated would be disposed of at a designated hazardous waste disposal facility.

Evaluation of Other Integral Elements

The proposed project would also meet conditions that are integral elements of the categorical exclusion. The project would not:

- Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders.

Explanation, if necessary:

- Require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators) that are not otherwise categorically excluded.

Explanation, if necessary:

- 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.

Explanation, if necessary: Any hazardous materials such as batteries generated would be disposed of at a designated hazardous waste disposal facility.

- 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 of the Department of Agriculture, the Environmental Protection Agency, and the National Institutes of Health.

Explanation, if necessary:

Landowner Notification, Involvement, or Coordination

Description: Most facilities would be BPA –owned or leased. If activities are occurring within a non-BPA-owned facility, BPA would coordinate with the underlying facility owner.

Based on the foregoing, this proposed project does not have the potential to cause significant impacts to any environmentally sensitive resource.

Signed: /s/ Katey Grange Date: February 5, 2018
 Katey Grange, ECT-4