

U.S. DEPARTMENT OF ENERGY

ENVIRONMENTAL QUESTIONNAIRE

I. INSTRUCTIONS

The proposer shall prepare this Environmental Questionnaire (EQ) as accurately and completely as possible. Supporting information can be provided as attachments. The proposer must identify the location of the project and specifically describe the activities that would occur at that location. The proposer must provide specific information and quantities, regarding air emissions, wastewater discharges, solid wastes, etc., to facilitate the necessary review. In addition, the proposer must submit with this EQ a FINAL copy of the project's statement of work (SOW) or statement of project objective (SOPO) that will be used in the contract/agreement between the proposer and the U.S Department of Energy (DOE).

II. QUESTIONNAIRE

A. PROJECT SUMMARY

- Solicitation/Project Number: [40107](#) Proposer: [PacifiCorp](#)
- This Environmental Questionnaire pertains to a: ☒ Recipient or Prime Contractor ☐ Sub-recipient or Subcontractor
- Principal Investigator: [Rohit Nair](#) Telephone Number: [385-266-5605](#)
- Project Title: [Resiliency Enhancement for Fire Mitigation and Operational Risk Management \(REFORM\)](#)
- Expected Project Duration: [2024-2028](#)
- Location of Activities covered by this Environmental Questionnaire: (City/Township, County, State):
[A complete list of locations that include activities covered in this questionnaire are provided in the Locations of Work spreadsheet \(LOW.xls\).](#) These activities span California, Oregon, Washington, Wyoming, Utah and Idaho.
- List the full scope of activities planned (only for the location that is the subject of this Environmental Questionnaire).

All activities that are part of Project REFORM are included in this environmental questionnaire. To help illustrate further details, Section C will use a representative conductor, substation, and camera location to show that these projects will have minimal to no environmental impact. Section D–Section I reference all project locations. Additional questionnaires that include individual approaches to Section C for the hundreds of locations scoped in Project REFORM can be provided as requested.

The activities that are part of Project REFORM include:

- Replacing relays inside existing substations and installing new equipment
- Placing line sensors on conductors
- Placing wildfire detection cameras on existing towers
- Installing high-performance computing and artificial systems

Any activities that take place as part of this project that are not listed will submit a separate environmental questionnaire at a later date.

- List all other locations where work would be performed by the primary contractor of the project and subcontractor(s). Each of the following must have an individual Environmental Questionnaire.
[There are currently no other locations where work will be performed; every location is covered by *this* environmental questionnaire. An additional environmental questionnaire can be provided for any site changes or added locations.](#)

Subcontractor or sub-recipient	Location of activities for this project

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9. Identify and select the checkbox with the predominant project work activities under Group A, B, or C

Group A

- ☐ Routine administrative, procurement, training, and personnel actions. Contract activities/awards for management support, financial assistance, and technical services in support of agency business, programs, projects, and goals. Literature searches and information gathering, material inventories, property surveys; data analysis, computer modeling, analytical reviews, technical summary, conceptual design, feasibility studies, document preparation, data dissemination, and paper studies. Technical assistance including financial planning, assistance, classroom training, public meetings, management training, survey participation, academic contribution, technical consultation, and stakeholders surveys. Workshop and conference planning, preparation, and implementation which may involve promoting energy efficiency, renewable energy, and energy conservation.

***STOP! If all work activities related to this project can be classified and described within categories under Group A, proceed directly to Section III CERTIFICATION BY PROPOSER. No additional information is required.
If project work activities are described in either Group(s) B or C; then continue filling out questionnaire.***

Group B

- ☐ Laboratory Scale Research, Bench Scale Research, Pilot Scale Research, Proof-of-Concept Scale Research, or Field Test Research. Work DOES NOT involve new building/facilities construction and site excavation/groundbreaking activities. This work typically involves routine operation of existing laboratories, commercial buildings/properties, offices and homes, project test facilities, factories/power plants, vehicles test stands and components, refueling facilities, utility systems, or other existing structures/facilities. Work will NOT involve major change in facilities missions and operations, land use planning, new/modified regulatory/operating permit requirements. Includes work specific to routine DOE Site operations and Lab research work activities, but NOT building construction and site preparation. DOE work typically involves laboratory facilities and lab equipment operations, buildings and grounds management activities; and buildings and facilities maintenance, repairs, reconfiguration, remodeling, equipment use and replacement.

Group C

- ☒ Pilot Test Facilities Construction, Pilot Scale Research, Field Scale Demonstration, or Commercial Scale Application. Work typically involves facility construction, site preparation/excavation/groundbreaking, and/or demolition. This work would include construction, retrofit, replacement, and/or major modifications of laboratories, test facilities, energy system prototypes, and power generation infrastructure. Work may also involve construction and maintenance of utilities system right-of-ways, roads, vehicle test facilities, commercial buildings/properties, fuel refinery/mixing facilities, refueling facility, power plants, underground wells, and pipelines, and other types of energy research related facilities. This work may require new or modified regulatory permits, environmental sampling and monitoring requirements, master planning, public involvement, and environmental impact review. Includes work specific to DOE Site Operations and Lab operation activities involving building and facilities construction, replacement, decommissioning/demolition, site preparation, land use changes, or change in research facilities mission or operations.

B. PROPOSED PROJECT ALTERNATIVES

1. If applicable, list any project alternatives considered to achieve the project objectives.

N/A

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C. PROJECT LOCATION

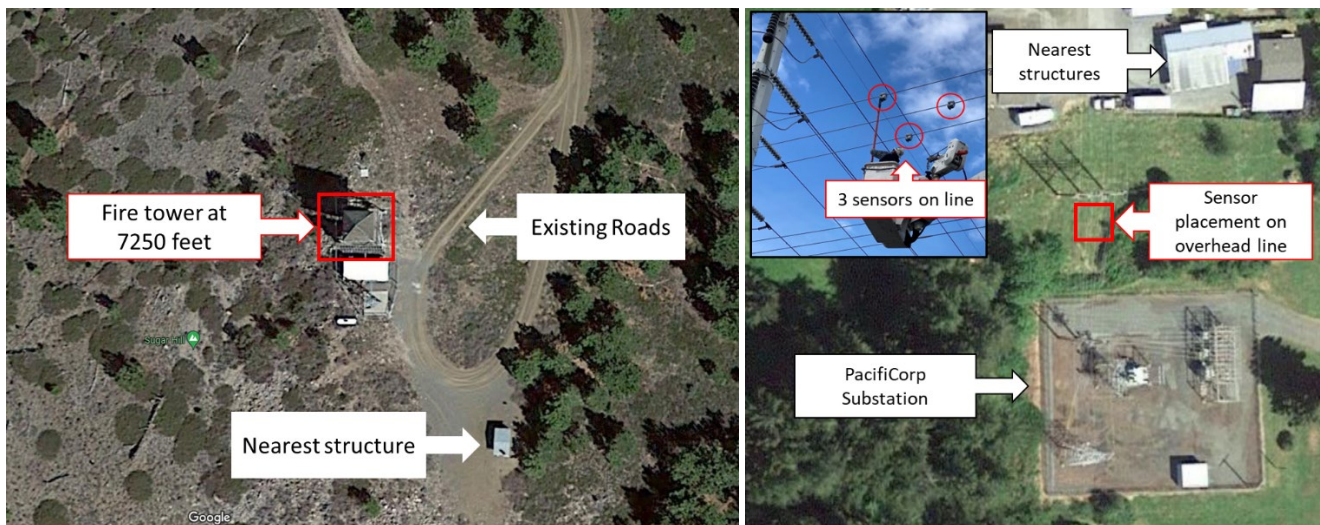
1. Provide a brief description of the project location (physical location, surrounding area, adjacent structures).

Substation upgrades will occur within substation fences at a few different substations. Some of the substations are rural and some are slightly more urban. The areas surrounding the substation are clear of any obstructions, vegetation or buildings that complicate upgrades. Any nearby structure or object will not be affected by this project.

Communicating faulted circuit indicators (CFCI), which are line sensors with communication capabilities, are placed on existing overhead conductor across PacifiCorp's territory. These installations will include areas that are rural and urban. These sensors are small and installation is easy, so they will not affect any adjacent structures or the larger surrounding areas.

The typical location for camera installation is rural. Cameras are strategically placed in high-risk fire areas, which are typically in forests and less densely populated areas. The existing assets that are leveraged are typically telecommunications or fire watchtowers. There are no adjacent structures to be impacted by this work.

2. Attach a project site location map of the project work area.



Top left: This is a representative aerial view of where cameras will be placed. As the map demonstrates, locations have existing access and nearest structure will not be impacted.

Top right: This is a representative aerial view of sensors to be placed on overhead lines. The smaller picture provides reference for size of these sensors. Many locations are outside of substations, and all have access through existing rights-of-way. Again, nearest structures are unaffected.

Bottom left: This is a representative aerial view of where substation upgrades will take place. All work is completed within the fence and will not affect nearby structures.

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D. ENVIRONMENTAL IMPACTS

National Environmental Policy Act (NEPA) procedures require evaluations of possible effects (including land use, energy resource use, natural, historic and cultural resources, and pollutants) from proposed projects on the environment.

1. Land Use

- a. Characterize present land use where the proposed project would be located.

<input type="checkbox"/> Urban	<input type="checkbox"/> Industrial	<input type="checkbox"/> Commercial	<input type="checkbox"/> Agricultural
<input type="checkbox"/> Suburban	<input type="checkbox"/> Rural	<input type="checkbox"/> Residential	<input type="checkbox"/> Research Facilities
<input type="checkbox"/> Forest	<input type="checkbox"/> University Campus	<input type="checkbox"/> Other: _____	

- b. Identify the total size of the facility, structure, or system and what portion would be used for the proposed project.

The proposed project consists of equipment to be installed on facilities throughout an existing electrical grid/service area in Washington, Oregon, California, Idaho, Utah, and Wyoming. These facilities include conductor, substations, and work done in PacifiCorp labs. The proposed additions to facilities as part of this grant will have a small footprint on these facilities. In addition to installation on PacifiCorp facilities, cameras will be installed on existing towers that are at an elevation between 3,800 and 7,750 feet.

- c. Describe planned construction, installation, and/or demolition activities, i.e., roads, utilities system rights-of-way, parking lots, buildings, laboratories, storage tanks, fueling facilities, underground wells, pipelines, or other structures.
- ☐ No construction would be anticipated for this project.

Construction will consist mainly of installation of equipment (Cameras, SCAN, HIF, and CFCI) on existing facilities. All locations, where equipment is to be installed have adequate access and will not require road development. SCAN, HIF, and CFCI equipment will be installed within the fence of existing electrical substations. Hydrovac excavation may be used for excavation within the fence line of existing substations. A standard line bucket truck will also be used during installation. No storage tanks, fueling facilities, underground wells, or pipelines will be required.

- d. Describe how land use would be affected by operational activities associated with the proposed project.
 ⊖ No land areas would be affected.

All activity would occur on or within existing facilities. No operational activities other than routine maintenance are expected after construction.

- e. Describe any plans to reclaim areas that would be affected by the proposed project.
 ☐ No land areas would be affected.

N/A

- f. Would the proposed project affect any unique or unusual landforms (e.g., cliffs, waterfalls, etc.)?
☐ No ☐ Yes (describe)

N/A. All activity would occur on or within existing facilities.

- g. Would the proposed project be located in or near local, state, or federal parks; forests; monuments; scenic waterways; wilderness; recreation facilities; or tribal lands? ☐ No ☒ Yes (describe)

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Some facilities are expected to be located on or near these sites. Two project sites are located at the edge of National Forests (Shasta-Trinity and Umpqua National Forests), but installation is not expected to impact the area. Project REFORM intends to only work within its existing right-of-way and does not expect any impacts resulting from project installation.

2. Construction Activities and/or Operation

- a. Identify project structure(s), power line(s), pipeline(s), utilities system(s), right-of-way(s) or road(s) that will be constructed and clearly mark them on a project site map or topographic map as appropriate. ☒ None

None of the activities listed in this environmental questionnaire will require the construction of new structures. Subsequent environmental questionnaires can be provided at a later date if further analysis reveals that new structures are required.

- b. Would the proposed project require the construction of waste pits or settling ponds?
☒ No ☐ Yes (describe and identify location, and estimate surface area disturbed)

N/A

- c. Would the proposed project affect any existing body of water? ☒ No ☐ Yes (describe)

Project is not expected to affect nearby environment.

- d. Would the proposed project impact a floodplain or wetland? ☒ No ☐ Yes (describe)

Project is not expected to affect nearby environment.

- e. Would the proposed project potentially cause runoff/sedimentation/erosion? ☒ No ☐ Yes (describe)

Any ground-disturbing work would occur within existing substation fence lines and controls would be put in place to prevent erosion or sedimentation outside of the fence line.

- f. Would the proposed project include activities located on perma-frost, near fault zones, or involve fracturing, well drilling, geologic stimulation, sequestration, active seismic data collection, and/or deepwater operations?
☒ No ☐ Yes (describe)

N/A

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- g. Would the proposed project involve any of the following: nanotechnology; recombinant DNA or genetic engineering; facility decommissioning or disposition of equipment/materials; or management of radioactive wastes/materials?
- ☐ No ☐ Yes (describe)

N/A

3. Biological Resources

- a. Identify any State or Federally listed endangered or threatened plant or animal species potentially affected by the proposed project.

☐ None

No state or federally listed endangered or threatened plant or animal species would be impacted because all project work would be associated with new equipment installed on existing towers or within the fence line of an existing, graveled substation. No new ground disturbance or vegetation removal would occur. If the need for access improvements is identified, they will be reviewed against sensitive species data to determine whether impacts could occur and the environmental questionnaire would be updated as needed.

- b. Would any designated critical habitat be affected by the proposed project? ☐ No ☐ Yes (describe)

No designated critical habitat would be impacted because all project work would be associated with new equipment installed on existing towers or within the fence line of an existing, graveled substation. No new ground disturbance or vegetation removal would occur. If the need for access improvements is identified, they will be reviewed against designated critical habitat data to determine whether impacts could occur and the environmental questionnaire would be updated as needed.

- c. Describe any impacts that construction would have on any other types of sensitive or unique habitats.

☐ No planned construction ☐ No habitats ☐ None ☐ Impact (describe)

No sensitive or unique habitats would be impacted because all project work would be associated with new equipment installed on existing towers or within the fence line of an existing, graveled substation. No new ground disturbance or vegetation removal would occur. If the need for access improvements is identified, they will be reviewed to determine whether impacts could occur to sensitive or unique habitats and the environmental questionnaire would be updated as needed.

- d. Would any foreign substances/materials be introduced into ground or surface waters, soil, or other earth/geologic resource because of project activities? How would these foreign substances/materials affect the water, soil, biota, and geologic resources? ☐ No ☐ Yes (describe)

N/A

- e. Would any migratory animal corridors be impacted or disrupted by the proposed project? ☐ No ☐ Yes (describe)

Project will not deviate from current rights-of-way or existing infrastructure and would not include vegetation removal or substantial noise.

4. Socioeconomic and Infrastructure Conditions

- a. Would local socio-economic changes result from the proposed project? ☐ No ☐ Yes (describe)

N/A

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- b. Would the proposed project generate increased traffic use of roads through local neighborhoods, urban or rural areas?
☐ No ☐ Yes (describe)

Sensor placement will be done off roads from bucket trucks. These installations will be quick and are not expected to impact traffic in any way.

- c. Would the proposed project require new transportation access (roads, rail, etc.)? Describe location, impacts, costs.
☐ No ☐ Yes (describe)

All areas scoped have existing access; new access is not anticipated. If new access is needed, impacts would be evaluated and this environmental questionnaire would be updated.

- d. Would the proposed project create a significant increase in local energy usage? ☐ No ☐ Yes (describe)

No increased energy usage is expected as part of this project.

5. Historical/Cultural Resources

- a. Describe any historical, archaeological, or cultural sites in the vicinity of the proposed project; note any sites included on the National Register of Historic Places. ☐ None

No known historical, archaeological, or cultural sites exist that could be affected by the project.

- b. Would construction or operational activities planned under the proposed project disturb any historical, archaeological, or cultural sites? ☐ No planned construction ☐ No historic sites ☐ Yes (describe) ☐ No Impact (discuss)

If historical, archaeological, or cultural sites are discovered, PacifiCorp will temporarily stop work to ensure that impacts are avoided. If there is potential for unavoidable impacts, PacifiCorp will consult with appropriate agencies before continuing work in the area of the identified site.

- c. Has the State Historic Preservation Office been contacted with regard to this project? ☐ No ☐ Yes (describe)

N/A

- d. Would the proposed project interfere with visual resources (e.g., eliminate scenic views) or alter the present landscape? ☐ No ☐ Yes (describe)

N/A

- e. Would the proposed project be located on or adjacent to tribal lands, lands considered to be sacred, or lands used for traditional purposes? Describe any known tribal sensitivities for the proposed project area.

As part of this project, there will activities at facilities located on and near tribal lands. There are no known tribal sensitivities, sacred lands, or lands used for traditional purposes in the project area. PacifiCorp will proceed with tribal consultation if granted this award.

6. Atmospheric Conditions/Air Quality

- a. Identify air quality conditions in the immediate vicinity of the proposed project with regard to attainment of National Ambient Air Quality Standards (NAAQS). This information is available under the Green Book Non-Attainment Areas for Criteria Pollutants located at <http://www.epa.gov/air/oaqps/greenbk/astate.html>

Attainment

Non-Attainment

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O ₃ - 1 Hour	<input type="checkbox"/>	<input checked="" type="checkbox"/>
O ₃ - 8 Hour	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SO _x	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PM - 2.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PM - 10	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CO	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NO ₂	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lead	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- b. Would proposed project require issuance of new or modified local, state, or federal air permits to perform project related work and activities? ☒ No ☐ Yes (describe)

N/A

- c. Would the proposed project be in compliance with local and state air quality requirements? ☒ Yes
If not, please explain.

N/A

- d. Would the proposed project be classified as either a New Source or a major modification to an existing source?
☒ No ☐ Yes (describe)

There are no emissions expected to result from operational activities of this project.

- e. What types of air emissions, including fugitive emissions, would be anticipated from the proposed project, and what would be the maximum annual rate of emissions for the project?

Total project emissions are associated with construction sources. There are no emissions expected to result from operational activities. Although project activities would take place over the course of five years, the majority of equipment use would occur the year the CFCI installation would occur. The majority of emissions associated with CFCI installation would result from a bucket truck, two line trucks, and two one-ton pickup trucks traveling to various substations to perform the work including 30-60 minutes of idle time per location (500 locations total) for the bucket truck. For the years CFCI installation would not occur, emissions would be associated with minor use of a vac truck and support from two line trucks and two one-ton pickup trucks.

	Maximum per Year	Total for Project (tons)
<input checked="" type="checkbox"/> SO _x	0.002 tons	0.002 tons
<input checked="" type="checkbox"/> NO _x	0.762 tons	0.864 tons
<input checked="" type="checkbox"/> PM - 2.5	0.009 tons	0.011 tons
<input checked="" type="checkbox"/> PM - 10	0.049 tons	0.056 tons
<input checked="" type="checkbox"/> CO	0.498 tons	0.627 tons
<input checked="" type="checkbox"/> CO ₂	166.42 metric tons	192.93 (metric tons)
<input type="checkbox"/> Lead	Negligible	Negligible
<input type="checkbox"/> H ₂ S	Negligible	Negligible
<input type="checkbox"/> Organic solvent vapors or other volatile organic compounds--List: See attached list for other diesel emissions		

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☐ Hazardous air pollutants -- List:
See attached list for other diesel emissions

☐ Other -- List:
See attached list for other diesel emissions

☐ None

- f. Would any types of emission control or particulate collection devices be used?
☒ No ☐ Yes (describe, including collection efficiencies)

N/A

- g. How would emissions be vented?

Operations are not expected to result in any new emissions and therefore no venting would be necessary. Construction-related emissions are listed above, are associated with mobile construction equipment, and would be vented through exhaust stacks or tailpipes.

7. Hydrologic Conditions/Water Quality

- a. What nearby water bodies may be affected by the proposed project? Provide distance(s) from the project site.

No body of water will be affected by the proposed project. No construction would occur within or near a waterbody and no known access improvements would be required affecting a waterbody.

- b. What sources would supply potable and process water for the proposed project?

There will be no potable water needed during installation of these projects. All workers will carry bottled, potable water from existing sources.

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- c. Quantify the wastewater that would be generated by the proposed project.

Water is not expected to be used as part of this project.

	Gallons/day	Gallons/year
<input type="checkbox"/> Non-contact cooling water	0	0
<input type="checkbox"/> Process water	0	0
<input type="checkbox"/> Sanitary	0	0
<input type="checkbox"/> Other -- describe:	0	0
<input type="checkbox"/> None		

- d. What would be the major components of each type of wastewater (e.g., coal fines)? ☐ No wastewater produced
N/A

- e. Identify the local treatment facility that would receive wastewater from the proposed project.

☐ No discharges to local treatment facility

N/A

- f. Describe how wastewater would be collected and treated. ☐ No wastewater produced

N/A

- g. Would any run-off or leachates be produced from storage piles or waste disposal sites? ☐ No ☐ Yes (describe source)

N/A

- h. Would project require issuance of new or modified water permits to perform project work or site development activities?

☐ No ☐ Yes (describe)

Water is not expected to be used as part of this project.

- i. Where would wastewater effluents from the proposed project be discharged? ☐ No wastewater produced

N/A

- j. Would the proposed project be permitted to discharge effluents into an existing body of water?

☐ No ☐ Yes (describe water use and effluent impact)

N/A

- k. Would a new or modified National Pollutant Discharge Elimination System (NPDES) permit be required?

☐ No ☐ Yes (describe)

N/A

- l. Would the proposed project adversely affect the quality or movement of groundwater? ☐ No ☐ Yes (describe)

N/A

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- m. Would the proposed project require issuance of an [Underground Injection Control \(UIC\)](#) permit?
☐ No ☐ Yes (describe)

N/A

- n. Would the proposed project be located in or near a wellhead protection area, drinking water protection area, or above a sole source aquifer or underground source of drinking water (USDW)?
☐ No ☐ Yes (describe)

N/A

8. Solid and Hazardous Wastes

- a. Identify and estimate wastes that would be generated from the project. Solid wastes are defined as any solid, liquid, semi-solid, or contained gaseous material that is discarded, has served its intended purpose, or is a manufacturing or mining by-product (See [EPA Municipal Solid Waste](#) and [Municipal Solid Waste by State](#)).
The wastes that are generated by this project are largely the old relays that will be replaced as part of this project. This waste can be estimated with more in depth evaluation of each site. PacifiCorp will responsibly dispose of these wastes as outlined below.

	Annual Quantity
<input type="checkbox"/> Municipal solid waste (e.g., paper, plastic, etc.)	
<input type="checkbox"/> Coal or coal by-products	
<input type="checkbox"/> Other -- Identify:	unknown
<input type="checkbox"/> Hazardous waste -- Identify:	
<input type="radio"/> None	

- b. Would project require issuance of new or modified solid waste and/or hazardous waste related permits to perform project work activities? ☐ No ☐ Yes (explain)

N/A

- c. How and where would solid waste disposal be accomplished?
☐ None generated
☐ On-site (identify and describe location)
☐ Off-site (identify location and describe facility and treatment)

PacifiCorp will create a waste profile based on the type of waste produced and dispose of the waste at a certified receiving facility. This waste is expected to be considered universal waste.

- d. How would wastes for disposal be transported?

Waste for disposal will be transported by DOT-certified driver and truck with associated manifest and bill of lading.

- e. Describe hazardous wastes that would be generated, treated, handled, or stored under this project. Hazardous waste information can be found at [EPA Hazardous Waste](#) website. ☐ None

Hazardous waste is not expected to be generated by this project. Any hazardous waste that is generated will be treated, handled, and stored in accordance with proper PacifiCorp procedures and relevant regulations.

- f. How would hazardous or toxic waste be collected and stored? ☐ None used or produced

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Hazardous waste is not expected to be generated by this project. Any hazardous waste that is generated will be treated, handled, and stored in accordance with proper PacifiCorp procedures.

- g. If hazardous wastes would require off-site disposal, have arrangements been made with a certified TSD (Treatment, Storage, and Disposal) facility?
- ☒ Not required ☐ Arrangements not yet made ☐ Arrangements made with a certified TSD facility (identify)

N/A

9. Health/Safety Factors

- a. Identify hazardous or toxic materials that would be used in the proposed project.
- ☒ None ☐ Hazardous or toxic materials that would be used (identify):

Hazardous waste is not expected to be generated by this project. Any hazardous waste that is generated will be treated, handled, and stored in accordance with proper PacifiCorp procedures and relevant regulations.

- b. Describe the potential impacts of this project's hazardous materials on human health and the environment.
- ☒ None

N/A

- c. Would there be any special physical hazards or health risks associated with the project? ☒ No ☐ Yes (describe)

N/A

- d. Does a worker safety program exist at the location of the proposed project? ☐ No ☒ Yes (describe)

A construction safety plan will be documented ahead of any work. Construction crews will be certified to climb communication towers in the state of California.

- e. Would additional safety training be necessary for any new laboratory, equipment, or processes involved with the project?
- ☒ No ☐ Yes (describe)

NA

- f. Describe any increases in ambient noise levels to the public from construction and operational activities.
- ☒ None ☐ Increase in ambient noise level (describe)

N/A

- g. Would project construction result in the removal of natural or other barriers that act as noise screens?
- ☐ No construction planned ☒ No ☐ Yes (describe)

N/A

- h. Would hearing protection be required for workers? ☒ No ☐ Yes (describe)

N/A

10. Environmental Restoration and/or Waste Management

- a. Would the proposed project include CERCLA removals or similar actions under RCRA or other authorities?

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☒ No ☐ Yes (describe)

N/A

- b. Would the proposed project include siting, construction, and operation of temporary pilot-scale waste collection and treatment facilities or pilot-scale waste stabilization and containment facilities? ☒ No ☐ Yes (describe)

N/A

- c. Would the proposed project involve operations of environmental monitoring and control systems?

☒ No ☐ Yes (describe)

N/A

- d. Would the proposed project involve siting, construction, operation, or decommissioning of a facility for storing packaged hazardous waste for 90 days or less? ☒ No ☐ Yes (describe)

N/A

E. REGULATORY COMPLIANCE

1. For the following laws, describe any existing permits, new or modified permits, manifests, responsible authorities or agencies, contacts, etc., that would be required for the proposed project

- a. Resource Conservation and Recovery Act ([RCRA](#)): ☒ None ☐ New Required ☐ Modification Required
Describe:

None

- b. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):

☒ None ☐ New Required ☐ Modification Required

Describe:

N/A

- c. Toxic Substance Control Act (TSCA): ☐ None ☒ New Required ☐ Modification Required
Describe:

Per company policy, soils excavated and removed from substations, will be sampled, characterized, and disposed of at a certified and approved receiving facility.

- d. Clean Water Act (CWA): ☒ None ☐ New Required ☐ Modification Required
Describe:

N/A

- e. Underground Storage Tank Control Program (UST): ☒ None ☐ New Required ☐ Modification Required
Describe:

N/A

- f. Underground Injection Control Program (UIC): ☒ None ☐ New Required ☐ Modification Required
Describe:

N/A

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g. Clean Air Act (CAA): ☐ None ☐ New Required ☐ Modification Required
Describe:

N/A

h. Endangered Species Act (ESA): ☐ None ☐ New Required ☐ Modification Required
Describe:

N/A

i. [Floodplains and Wetlands Regulations](#): ☐ None ☐ New Required ☐ Modification Required
Describe:

N/A

j. Fish and Wildlife Coordination Act (FWCA): ☐ None ☐ New Required ☐ Modification Required
Describe:

N/A

k. National Historic Preservation Act (NHPA): ☐ None ☐ New Required ☐ Modification Required
Describe:

N/A

l. Coastal Zone Management Act (CZMA): ☐ None ☐ New Required ☐ Modification Required
Describe:

N/A

2. Identify any other environmental laws and regulations (Federal, state, and local) for which compliance would be necessary for this project, and describe the permits, manifests, and contacts that would be required.

N/A

F. DESCRIBE ANY ISSUES THAT WOULD GENERATE PUBLIC CONTROVERSY REGARDING THE PROPOSED PROJECT. ☐ None

Nearly all of Project REFORM consists of standardized upgrade processes that occur within existing rights-of-way. All the initiatives described in this environmental questionnaire have had pilot scale demonstrations that have not generated any public controversy. Therefore, no controversy regarding the proposed project is expected to arise.

G. WOULD THE PROPOSED PROJECT PRODUCE ADDITIONAL DEVELOPMENT, OR ARE OTHER MAJOR DEVELOPMENTS PLANNED OR UNDERWAY, IN THE PROJECT AREA?

☐ No ☐ Yes (describe)

N/A

H. SUMMARIZE THE SIGNIFICANT IMPACTS THAT WOULD RESULT FROM THE PROPOSED PROJECT.

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☒ None (provide supporting detail) ☐ Significant impacts (describe)

No significant impacts are anticipated because all project work would be associated with new equipment installed on existing towers or within the fence line of an existing, graveled substation. No new ground disturbance or vegetation removal would occur. There would be no significant emissions of pollutants to the environment and any waste generated would be disposed of in accordance with PacifiCorp procedures and relevant regulations.

I. PROVIDE A DESCRIPTION OF HOW THE PROJECT WOULD BE DECOMMISSIONED, INCLUDING THE DISPOSITION OF EQUIPMENT AND MATERIALS.

PacifiCorp will ensure that all initiatives pursued in Project REFORM are decommissioned responsibly at the end of equipment lifetime. Line sensors and computer equipment will require IT to ensure sensitive data is removed and electronics are disposed of properly. Cameras may have lithium batteries that will require special attention. Project REFORM proposes to install only eight of these cameras, which will not create an excess amount of hazardous material. All decommissioning will follow existing PacifiCorp processes.

III. CERTIFICATION BY PROPOSER

I hereby certify that the information provided herein is current, accurate, and complete as of the date shown immediately below.

Signature:  Date (mm/dd/yyyy): 03/15/2023

Typed Name: Emily Newell

Title: T&D Environmental Manager

Organization: PacifiCorp

IV. REVIEW AND APPROVAL BY DOE

I hereby certify that I have reviewed the information provided in this questionnaire, have determined that all questions have been appropriately answered, and judge the responses to be consistent with the efforts proposed.

DOE Project Manager

Signature: _____ Date (mm/dd/yyyy): _____

Typed Name: _____