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(Previous Editions Obsolete)

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

1. Solicitation/Project Number: 40101 Proposer: PacifiCorp
2. This Environmental Questionnaire pertains to a: ☒ Recipient or Prime Contractor ☐ Sub-recipient or Subcontractor
3. Principal Investigator: Rohit Nair Telephone Number: 385-266-5605
4. Project Title: PacifiCorp's Equity-aware Enhancement of grid Resiliency (PEER)
5. Expected Project Duration: 2024-2027
6. Location of Activities covered by **this** Environmental Questionnaire: (City/Township, County, State):
   All project locations are covered by this questionnaire. See Env_Attachment for details
7. List the full scope of activities planned (only for the location that is the subject of this Environmental Questionnaire).
   All activities including hardening of distribution lines with covered conductor, steel pole replacement, non-expulsion fuse replacement, and relay replacements are considered in this questionnaire. This also includes substation upgrades that will raise a substation out of a floodplain.
8. 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.

Subcontractor or sub-recipient	Location of activities for this project
Utah State University	Price and Carbon County, UT

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.

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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

C. PROJECT LOCATION

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

This project will cover approximately 337 miles of existing overhead distribution line that passes through residential, agricultural and forested areas,see Env_Attachment.pdf

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

See Env_Attachment.pdf document attached with this application (in the OtherNarrativeAttachments form).

D. ENVIRONMENTAL IMPACTS

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.

☐ Urban	☐ Industrial	☐ Commercial	☑ Agricultural
☐ Suburban	☑ Rural	☑ Residential	☐ Research Facilities
☑ Forest	☐ University Campus	☐ Other: _____	

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

See Env_Attachment.pdf document attached with this application (in the OtherNarrativeAttachments form).

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c. Describe planned construction, installation, and/or demolition activities, i.e., roads, utilities system right-of-ways, parking lots, buildings, laboratories, storage tanks, fueling facilities, underground wells, pipelines, or other structures.

☐ No construction would be anticipated for this project.

Reconductoring and pole installation are the primary construction initiatives. See Env_Attachment.pdf document for more detail.

d. Describe how land use would be affected by operational activities associated with the proposed project.

☐ No land areas would be affected.

The proposed project will occur in existing right-of-way and will not increase the utility footprint. See Env_Attachment.pdf document.

e. Describe any plans to reclaim areas that would be affected by the proposed project.

☐ No land areas would be affected.

Areas to be distributed by project construction consist of an existing utility right-of-way (ROW) and will be restored to their previous condition following construction.

f. Would the proposed project affect any unique or unusual landforms (e.g., cliffs, waterfalls, etc.)?

☐ No ☐ Yes (describe)

No, the project area is an existing, previously disturbed ROW.

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)

See Env_Attachment.pdf document attached with this application (in the OtherNarrativeAttachments form).

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

The project involves replacing existing power lines. Utility poles may be replaced or added where necessary to support the higher weight conductor, see Env_Attachment.pdf for maps.

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)

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

See Env_Attachment.pdf document attached with this application (in the OtherNarrativeAttachments form)for details.

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

Portions of the existing distribution lines are within floodplain and wetland areas. No significant impacts to floodplain and wetlands are expected, See Env_Attachment.pdf.

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

The proposed project may result in minor runoff, sedimentation or erosion. See attachedEnv_Attachment.pdf document.

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)

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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)

3. Biological Resources

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

☐ None

There are 29 federally or state listeed endangered or threatened species in the area. No significant impacts are expected. See Env_Attachment.pdf document for more detail.

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

See Env_Attachment.pdf document attached with this application (in the OtherNarrativeAttachments form)for details.

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)

See Env_Attachment.pdf document attached with this application (in the OtherNarrativeAttachments form)for details.

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)

This project will replace utility poles, but will implement BMPs to reduce any effect on ground or surface water, soil, biota or other sources. See Env_Attachment.pdf.

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

See Env_Attachment.pdf document attached with this application (in the OtherNarrativeAttachments form).

4. Socioeconomic and Infrastructure Conditions

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

b. Would the proposed project generate increased traffic use of roads through local neighborhoods, urban or rural areas?

☑ No ☐ Yes (describe)

The proposed project will generate a temporary increase in traffic during construction. Following construction, there will be no changes to current traffic patterns.

c. Would the proposed project require new transportation access (roads, rail, etc.)? Describe location, impacts, costs.

☑ No ☐ Yes (describe)

See Env_Attachment.pdf document attached with this application (in the OtherNarrativeAttachments form)for detail.

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

The proposed project would maintain current energy usage and will not include any increase in the level of electrical service to the project area.

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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

Because these projects are in and near rural and tribal areas, there are 280 known cultural resources near these projects. See Env_Attachment.pdf document.

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)

See Env_Attachment.pdf document attached with this application (in the OtherNarrativeAttachments form).

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

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

See Env_Attachment.pdf document attached with this application (in the OtherNarrativeAttachments form).

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.

Yes, approximately six miles of the proposed project is located on Yurok Tibal Land or Bureau of Indian Affair Land. The rest of the circuits/lines do not.

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
O_3 - 1 Hour	☑	☐
O_3 - 8 Hour	☑	☐
SO_x	☑	☐
PM - 2.5	☑	☐
PM - 10	☑	☐
CO	☑	☐
NO_2	☑	☐
Lead	☑	☐

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)

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

See Env_Attachment.pdf document attached with this application (in the OtherNarrativeAttachments form).

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

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?

	Maximum per Year	Total for Project
☐ SO_x	0.03 tons	0.11 tons
☐ NO_x	15.69 tons	52.89 tons
☐ PM - 2.5	0.18 tons	0.59 tons
☐ PM - 10	0.99 tons	3.33 tons
☐ CO	9.75 tons	32.86 tons
☐ CO_2	3,329.5 metric tons	11,219.9 metric tons
☐ Lead	Negligible	Negligible
☐ H_2S	Negligible	Negligible
☐ Organic solvent vapors or other volatile organic compounds--List:		
See Env_Attachment.pdf		
☐ Hazardous air pollutants -- List:		
See Env_Attachment.pdf		
☐ Other -- List:		
See Env_Attachment.pdf		
☐ None		

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

Diesel off-road construction equipment may utilize emission control devices to meet applicable state and/or diesel emission standards.

g. How would emissions be vented?

Vehicle emissions will 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.

See attached document for a table of rivers, creeks and other bodies of water.

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

None

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

	Gallons/day	Gallons/year
☐ Non-contact cooling water		
☐ Process water		
☐ Sanitary		
☐ Other -- describe:		
☑ None		

d. What would be the major components of each type of wastewater (e.g., coal fines)? ☑ No wastewater produced

e. Identify the local treatment facility that would receive wastewater from the proposed project.
☑ No discharges to local treatment facility

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

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

h. Would project require issuance of new or modified water permits to perform project work or site development activities?
☑ No ☐ Yes (describe)

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

j. Would the proposed project be permitted to discharge effluents into an existing body of water?
☑ No ☐ Yes (describe water use and effluent impact)

k. Would a new or modified National Pollutant Discharge Elimination System (NPDES) permit be required?
☑ No ☐ Yes (describe)

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

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m. Would the proposed project require issuance of an Underground Injection Control (UIC) permit?

☑ No ☐ Yes (describe)

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)

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).

	Annual Quantity
☑ **Municipal solid waste (e.g., paper, plastic, etc.)**	unknown
☐ **Coal or coal by-products**	
☐ **Other -- Identify:**	
☐ **Hazardous waste – Identify:**	
☐ **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)

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)

Solid waste generated from the project will be disposed of at an approved receiving facility.

d. How would wastes for disposal be transported?

Waste will be transported by work truck

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

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

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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)

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):

b. Describe the potential impacts of this project's hazardous materials on human health and the environment.

☑ None

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

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

Company has a robust health and safety plan that will be followed by all personnel working on the project.

e. Would additional safety training be necessary for any new laboratory, equipment, or processes involved with the project?

☑ No ☐ Yes (describe)

f. Describe any increases in ambient noise levels to the public from construction and operational activities.

☐ None ☑ Increase in ambient noise level (describe)

Temporary increases of ambient noise levels would be expected during construction.

g. Would project construction result in the removal of natural or other barriers that act as noise screens?

☐ No construction planned ☑ No ☐ Yes (describe)

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

Standard hearing protection would be expected (ear plugs, earmuffs, etc.)

10. Environmental Restoration and/or Waste Management

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

☑ No ☐ Yes (describe)

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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)

c. Would the proposed project involve operations of environmental monitoring and control systems?
☑ No ☐ Yes (describe)

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)

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:

b. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):
☑ None ☐ New Required ☐ Modification Required
Describe:

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

d. Clean Water Act (CWA): ☐ None ☐ New Required ☑ Modification Required
Describe:
Depending on the amount of ground disturbance, National Pollution Discharge Elimination System (NPDES) and Storm Water Pollution Prevention Plan (SWPP) will be initiated.

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

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

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

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

i. Floodplains and Wetlands Regulations: ☐ None ☐ New Required ☑ Modification Required
Describe:

Impacts to floodplains and wetlands will be avoided. Consultation of US Army Corp of Engineers or state board may occur to identify permitting requirments.See Env_Attachment

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

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

Coordination with the State Historic Preservation Officers (SHPOs) and appropriate agency heritage officers will occur as part of this project.

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

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.

None

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

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

☑ No ☐ Yes (describe)

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

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

No significant impacts are anticipated. Temporary impacts may result from the construction of the project but will not result in long term effects because work would occur within the existing cleared ROW where ground disturbance and vegetation clearing has previously occurred. BMPs and mitigation measures will be utilized to minimize any potential impacts.

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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 as part of the project are decommissioned responsibly at the end of equipment lifetime. 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: Emily Newell Digitally signed by Emily Newell Date: 2023.03.31 15:15:17 -07'00' Date (mm/dd/yyyy): 03/31/2023

Typed Name: Emily Newall

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: