

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background [\[HELP\]](#)

1. Name of proposed project, if applicable: **Hood Canal-101 Phase Two Broadband Project**
2. Name of applicant: **Mason County PUD1**
3. Address and phone number of applicant and contact person:

James Reyes
(360)877-5249 x. 215

Mason County PUD No. 1
N. 21971 Hwy. 101
Shelton Washington 98584

4. Date checklist prepared: **January 20, 2023**

5. Agency requesting checklist: **Jefferson County**

6. Proposed timing or schedule (including phasing, if applicable):

January 20, 2023	Bid Documents Available Online/Advertisement
February 3, 2023	Virtual Job Show at 9:00 a.m. PST via Zoom
February 17, 2023	Bid Opening at 4:30 p.m. PST via Zoom
February 21, 2023	Notice of Intent to Award
March 3, 2023	Pre-Construction Conference & Notice to Proceed
June 30, 2023	Construction Complete

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. **No.**

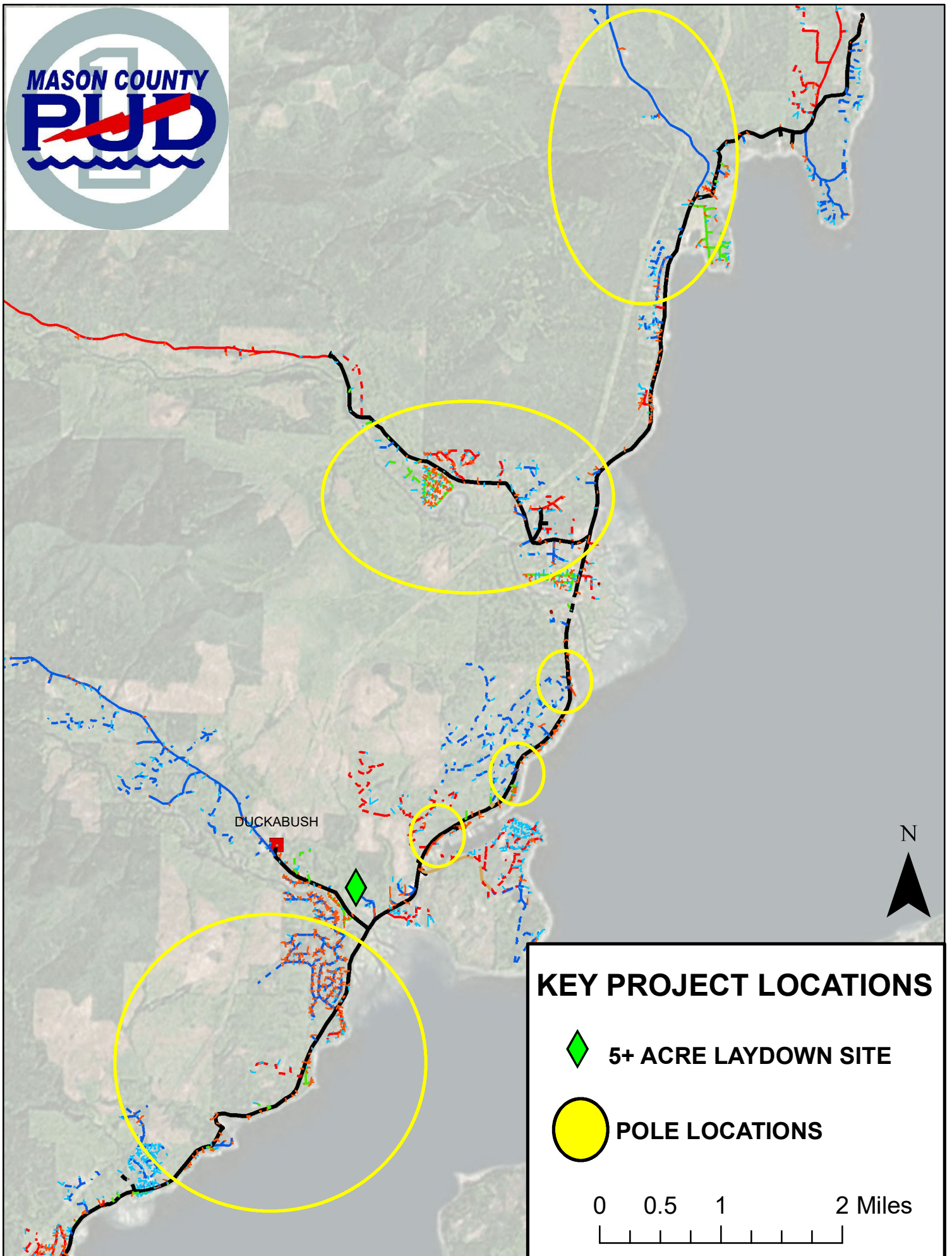
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. **None known.**

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. **No.**

10. List any government approvals or permits that will be needed for your proposal, if known.
Washington State Department of Transportation Utility Permit, Jefferson County Utility Permit.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

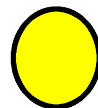
The Hood Canal-101 Pole Replacement Project Phase Two project is a joint project between Hood Canal Communications and Mason County PUD 1 to install Fiber along US Highway 101. Due to the age and size of the PUD's poles, there are 158 poles that have been identified for replacement in order to provide safe and reliable power to customers and accommodate present and future communications to the North end of the County. This project includes the replacement of 158 utility poles along Highway 101 including the transfer of live power, and existing communications attachments.



KEY PROJECT LOCATIONS



5+ ACRE LAYDOWN SITE



POLE LOCATIONS

0 0.5 1 2 Miles

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. **The project spans approximately 5.8 miles from North of Forest Dr., Brinnon WA (MP 314.33) to Mt. Walker Rd., Brinnon WA (MP 301.51). This pole replacement is noncontiguous along US HWY 101. Alternating single lane traffic control will be necessary for all Highway work. Forty-one poles will be replaced along Dosewallips Rd. A single pole is to be replaced along Duckabush Rd. Both Dosewallips and Duckabush are county owned roadways that will require single lane alternating traffic control.**

B. Environmental Elements [\[HELP\]](#)

1. Earth [\[help\]](#)

a. General description of the site:

(circle one): **Flat**, rolling, **hilly**, steep slopes, mountainous, other _____

b. What is the steepest slope on the site (approximate percent slope)?

The project site is generally flat. Approximate steepest slope on the site is 15%

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils. **Per USDA Web Soil Survey : Gravelly Sandy Loam, 15 to 30 percent slopes (He). This soil is on rougher terrain than. Hoodspoor gravelly sandy loam, 5 to 15 percent slopes, and, therefore, is considered less desirable. The lower north slopes and some canyons obtain additional moisture through seepage in spring.**

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. **No.**

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill. **Poles will be installed by auger, no filling or grading anticipated.**

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. **Yes. Temporary construction activities can result in erosion around the site of the pole.**

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

The proposed project will not result in any increase or decrease of impervious surfaces. All sites of excavation will be restored to previous condition when work is complete.

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
Standard erosion control best management practices (BMPs) and temporary erosion and sediment control (TESC) measures will be utilized during construction.

2. Air [\[help\]](#)

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. **Minor emissions from construction equipment that will cease once construction is complete.**
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. **None known.**
- c. Proposed measures to reduce or control emissions or other impacts to air, if any:
All vehicles will meet required emission standards for their class.

3. Water [\[help\]](#)

- a. Surface Water: [\[help\]](#)

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Yes. The Highway where the poles will be replaced and fiber installed is along the Hood Canal. Please see attached Vicinity Map.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans. **Yes. See attached map.**
- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material. **No material will be placed in or removed from surface water or wetlands.**
- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. **No.**
- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. **No.**
- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. **No.**

b. Ground Water: [\[help\]](#)

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. **No.**
- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. **No waste material will be discharged into the ground.**

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe. **Source of runoff and method of collection will not change as a result of this project.**
- 2) Could waste materials enter ground or surface waters? If so, generally describe. **Any waste created by the pole installation will be removed by the contractor daily so that it does not enter te ground or surface waters.**
- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. **No.**

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: **BMPs and TESC measures will be used to control stormwater runoff. Pole replacement areas will be backfilled and restored daily.**

4. **Plants** [\[help\]](#)

a. Check the types of vegetation found on the site:

- ☒ X deciduous tree: alder, maple, aspen, other
- ☒ X evergreen tree: fir, cedar, pine, other
- ☒ X shrubs
- ☒ X grass
- ☐ pasture
- ☐ crop or grain
- ☐ Orchards, vineyards or other permanent crops.
- ☒ X wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- ☐ water plants: water lily, eelgrass, milfoil, other
- ☐ other types of vegetation

b. What kind and amount of vegetation will be removed or altered? **Overgrown vegetation may be trimmed if it impedes access to poles sites. This incldes tree limbs and tree tops.**

- c. List threatened and endangered species known to be on or near the site. **None known.**
- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: **No landscaping is planned. Native vegetation will be protected to the maximum extent possible.**
- e. List all noxious weeds and invasive species known to be on or near the site. **None known.**

5. **Animals** [\[help\]](#)

- a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site.

Examples include:

birds: **hawk, heron, eagle, songbirds**, other:
 mammals: **deer, bear, elk**, beaver, other:
 fish: bass, **salmon**, trout, herring, **shellfish**, other _____

- b. List any threatened and endangered species known to be on or near the site. **None known.**
- c. Is the site part of a migration route? If so, explain. **Yes. Pacific flyway, a known aviation route.**
- d. Proposed measures to preserve or enhance wildlife, if any: **None.**
- e. List any invasive animal species known to be on or near the site. **None known.**

6. **Energy and Natural Resources** [\[help\]](#)

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. **Not applicable. The project has no energy needs but will provide more dependability to the existing electrical system.**
- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. **No.**
- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: **None proposed.**

7. **Environmental Health** [\[help\]](#)

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. **No. Normal operations of electrical wires will not result in health hazards.**
 - 1) Describe any known or possible contamination at the site from present or past uses. **None known.**

- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity. **None known.**
- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project. **None.**
- 4) Describe special emergency services that might be required. **None.**
- 5) Proposed measures to reduce or control environmental health hazards, if any:

None. The proposed facilities will be constructed to applicable federal, state and PUD1 standards.

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? **Typical traffic noise in the area will not affect the project.**
- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site. **Short-term noise will be generated by construction equipment and vehicles.**
- 3) Proposed measures to reduce or control noise impacts, if any: **Construction will be limited to daytime hours only.**

8. Land and Shoreline Use [\[help\]](#)

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. **No.**
- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? **No.**
 - 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how: **No.**
- c. Describe any structures on the site. **The only structures are the existing utilities and adjacent roadway.**

- d. Will any structures be demolished? If so, what? **No.**
- e. What is the current zoning classification of the site? **Public right of way.**
- f. What is the current comprehensive plan designation of the site? **Adjacent zoning is rural.**
- g. If applicable, what is the current shoreline master program designation of the site? **N/A.**
- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. **No.**
- i. Approximately how many people would reside or work in the completed project?
N/A. The project will not change how many people reside or work near the site.
- j. Approximately how many people would the completed project displace? **None.**
- k. Proposed measures to avoid or reduce displacement impacts, if any: **N/A**
- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: **Poles will be in-kind replacements and will remain compatible with existing and future land uses.**
- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: **None. There are no impacts to agricultural or forest land.**

9. Housing [\[help\]](#)

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. **None.**
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. **None.**
- c. Proposed measures to reduce or control housing impacts, if any: **None. No housing impacts as a result of this project.**

10. Aesthetics [\[help\]](#)

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? **The poles are in-kind replacements, there will be no aesthetic impacts.**
- b. What views in the immediate vicinity would be altered or obstructed? **None.**
- b. Proposed measures to reduce or control aesthetic impacts, if any: **None.**

11. Light and Glare [\[help\]](#)

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? **No light or glare will be produced.**

- b. Could light or glare from the finished project be a safety hazard or interfere with views? **No.**
- c. What existing off-site sources of light or glare may affect your proposal? **None.**
- d. Proposed measures to reduce or control light and glare impacts, if any: **None.**

12. Recreation [\[help\]](#)

- a. What designated and informal recreational opportunities are in the immediate vicinity?
The Hood Canal offers countless recreational opportunities. In addition, there is Triton Cover State Park, Pleason Harbor State Park and Marina, Dosewalips State Park, Seal Rock Campground, Camp Parsons and Elbo Creek Trail.
- b. Would the proposed project displace any existing recreational uses? If so, describe. **No.**
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: **None.**

13. Historic and cultural preservation [\[help\]](#)

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers ? If so, specifically describe. **None known.**
- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. **None.**
- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.
If cultural resources were encountered during the project, PUD 1 will implement an Inadvertent Discovery Protocol (IDP).
- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.
A cultural resource site assessment will be conducted.

14. Transportation [\[help\]](#)

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.
The project will take place along existing roadways including U.S. Highway 101. In addition, there will be poles replaced along Dosewallips Road and Duckabush Road, both of which are county-owned public roadways.

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop? **No.**
- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? **None.**
- d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). **No.**
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. **There is a harbor in the vicinity that would provide opportunities for water transportation; however it is primarily recreational.**
- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates? **None.**
- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe. **There may be slight delays with one-lane flagged traffic; however the delays will be very short-term.**
- h. Proposed measures to reduce or control transportation impacts, if any:
The highway work will include flagging and traffic control.

15. Public Services [\[help\]](#)

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. **No**
- b. Proposed measures to reduce or control direct impacts on public services, if any. **None. There will be no impacts to public services.**

16. Utilities [\[help\]](#)

- a. Circle utilities currently available at the site:
electricity, natural gas, water, refuse service, **telephone**, sanitary sewer, septic system, other _____
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. **The project consists of replacing deteriorated wooded utility poles with new utility poles (wooden) that meet current PUD 1 standards.**

C. Signature [\[HELP\]](#)

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.



Signature: _____

Name of signee Ravyn Whitewolf, P.E.

Position and Agency/Organization: Whitewolf Engineering Services on behalf of Mason PUD1.

Date Submitted: 1/23/2023