Purpose of Checklist: The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the environment. The purpose of this checklist is to provide information to help the Responsible Official of the Public Utility District No. 1 of Snohomish County (the District), and any other agencies with jurisdiction, to identify impacts from a proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the District decide whether an EIS is required.

A. BACKGROUND

1. Name of proposed project, if applicable:

   Camano Substation

2. Name of applicant:

   Public Utility District No. 1 of Snohomish County (District)

3. Address and phone number of applicant and contact person:

   Public Utility District No. 1 of Snohomish County
   P.O. Box 1107
   Everett, WA 98206
   Contact Person: Jacob Dahl, P.E., (425) 783-5277

4. Date checklist prepared:

   March 3, 2023

5. Agency Requesting Checklist:

   Public Utility District No. 1 of Snohomish County (District)

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

   - **Substation design and permitting in 2022 – Q1 2024**
   - **Site construction June 2024 through December 2024**
   - **Substation electrical construction and energization in 2025**

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

   Yes, ongoing maintenance of poles; stormwater system; underground

conduit and vaults; site access driveways; fencing and other appurtenances as needed to maintain the facility and preserve electrical system reliability. This may include necessary vegetation management, upgrades in capacity, and other routine utility repair or maintenance within the substation facility and utility corridors.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

   - **Cultural Resources Assessment prepared by WestLand Engineering and Environmental Services, Inc., dated November 18, 2022**
   - **Geotechnical Engineering Report prepared by Zipper Geo Associates, LLC., dated December 14, 2022**
   - **Critical Areas Study, Biological Site Assessment, and Mitigation Plan prepared by Wetland Resources, Inc., dated March 3, 2023**
   - **Stormwater Pollution Prevention Plan, prepared by the District, dated January 12, 2023**
   - **Drainage Report prepared by the District, dated February 16, 2023**

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.

Public Utility District No. 1 of Snohomish County*:*	**SEPA Checklist and Threshold Determination**
Island County:	**Site Plan Review Approval** **Clearing and Grading Permit** **Access Permit** **Public Transportation or Utility Projects Permit**
Washington State Department of Ecology:	**Construction Stormwater General Permit**

11. Give a 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.

Proposal: **To expand and upgrade an existing electrical distribution substation.**

This project is part of the District's Electric System Capital Program to upgrade electrical distribution facilities and to provide additional electrical capacity and reliable electric service to Camano Island.

The substation site is 2.16 acres located on Camano Island in Island County. The site is currently developed as an electrical distribution substation owned and operated by the District.

The substation converts power delivered to the substation from 115,000 Volts (115kV) to 12,000 Volts (12kV) and distributes it to the District's electrical grid to serve customer power needs. The existing substation generally consists of:

- **Two transmission line termination (dead-end) and bus support structures**
- **115kV switches**
- **One 28 Mega-Volt Ampere (MVA) power transformer**
- **One metal-clad switchgear enclosure with 12kV circuit breakers and ancillary equipment**
- **Underground power cables and conduits for control wires**
- **Related appurtenances include: a security fence with high voltage warning signs, electrical grounding system, two access driveways, and landscaping along the front of the substation.**

The proposed expansion and upgrade project includes:

- **Removing all substation 115kV and 12kV electrical equipment and bus work. Remove the two 115kV transmission line terminals. Demolish and remove all concrete foundations, conduit, wiring, electrical ground grid, fencing, and signage.**
- **Expanding the substation fenced yard from approximately 25,580 sq. ft. to 36,560 sq. ft. to accommodate three 115kV transmission line terminals; a 115kV ring bus containing circuit breakers and associated 115kV disconnect and sectionalizing switches; a metal-clad control enclosure for the DC power system, communications system, and control/relay/meter panels; one 28MVA power transformer bank; and a metal-clad switchgear enclosure containing vacuum circuit breakers for four distribution circuits.**
- **Other upgrades for the substation include underground conduit and vaults for power cables and control wires; a stormwater system to replace the old drain tile system; oil spill containment system for the transformer; security fence with high voltage warning signs; electrical grounding system; reconstruction of the two driveways for improved access; landscaping; and a landscape irrigation system.**

Transmission and distribution line construction associated with the project:

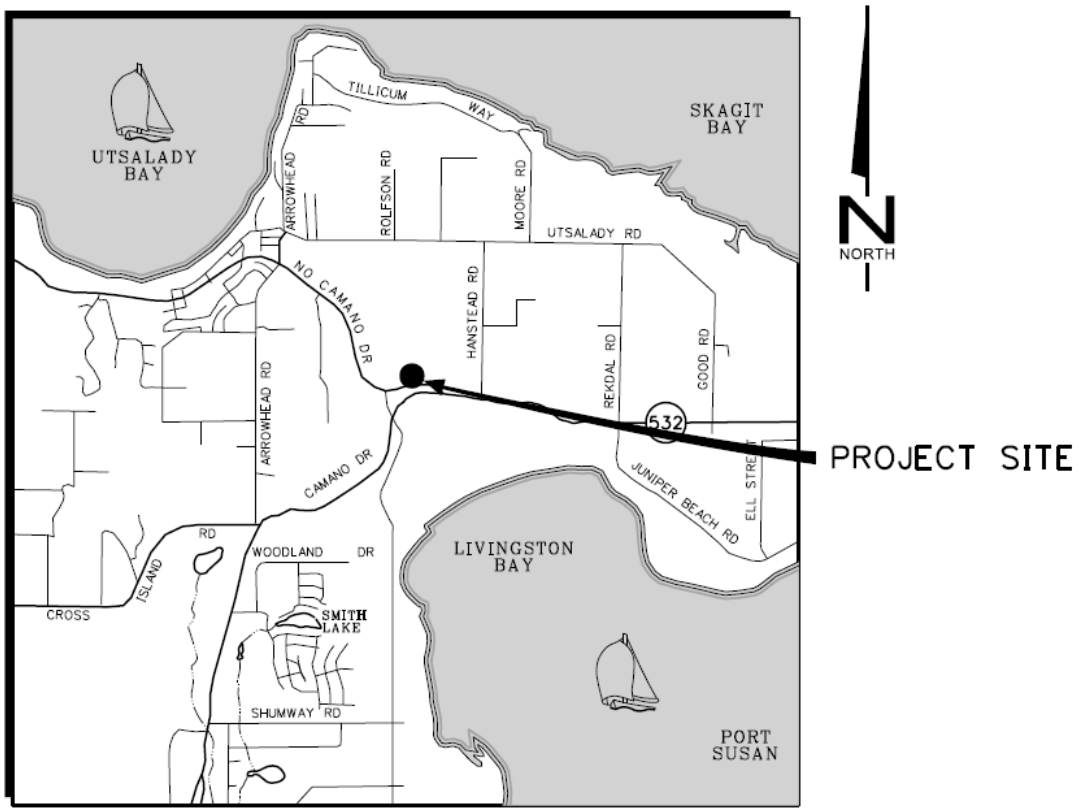
- **The District's North Stanwood Substation to Camano Substation 115kV transmission line project that is currently under construction. SEPA DNS issued May 23, 2019.**

- **The two transmission poles and one distribution pole in front of the substation will be replaced to facilitate the 115kV transmission line drops into the substation. The transmission poles will be underbuilt with 12kV distribution lines to tie the east and west distribution circuits described below for backup and operational flexibility.**

- **The 12kV distribution circuits will be installed underground from inside the substation and rise at two new distribution poles located on-site. One pole will be located just west of the substation where two of the underground circuits will interconnect with existing overhead 12kV electric circuits going west along E. North Camano Drive. The second pole replaces a distribution pole located just east of the substation where two of the underground circuits will interconnect with existing overhead 12kV electric circuits going east along E. North Camano Drive.**

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.

Parcel No.:	**R33220-120-1780**
Street Address:	**531 E. North Camano Drive, Camano Island, WA 98282**
Legal Description:	**That portion of the SE quarter of the SW quarter of Section 20, Township 32 N, Range 3 E, W.M., lying N of Secondary State Highway No. 1-Y and W of a tract of land conveyed to Island County by deed, recorded in Volume 15 of Deeds, page 110. Except the west 270.97 feet, as measured along the north line thereof.**



VICINITY MAP
SW 1/4, SEC. 20, T32N, R3E, W.M.
1" = 2000'

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site

(~~circle one~~ underline): **Flat**, rolling, hilly, steep slopes, mountainous,

other _____

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

The steepest slope on-site is approximately 40% in scarce locations along the stream bank on the east side of the property.

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.

US Department of Agriculture Natural Resources Conservation Service (NRCS) soils classification of the area is Coveland loam.

A subsurface exploration of the on-site soils revealed (the following is a general description) loose to medium dense sand with variable silt and gravel content to depth of approximately 2-4.5-ft below existing grade. Immediately below the sand is a medium stiff to stiff silt and sandy silt layer over a deeper deposit of stiff, sandy silt to clayey silt and clayey silt to silty clay

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.

Approximately 1.5 acres will be affected by land disturbing activities. Approximate earthwork quantities for the substation site and access driveways:

Cut ±2,000 cubic yards

Fill ±2,500 cubic yards

An unknown quantity may be needed to replace excavated soil that is too wet to achieve proper compaction for use as trench or foundation backfill material.

Granular fill material will be imported from a state approved licensed quarry within the Snohomish County area determined at the time of construction.

Surplus and unsuitable soils (quantity not yet known) will be disposed of off-site at an approved location selected by the construction contractor. Unsuitable soils include cohesive, debris-filled and organic soils that cannot be used for backfill or foundation support. Such soils will be removed and replaced with imported granular, compactable soils or controlled density fill material.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

Yes, site excavation and grading during construction will expose soils, creating a temporary increase in erosion potential.

Temporary erosion control Best Management Practices (BMPs) will be implemented during construction. Once all permanent improvements are installed and disturbed areas are stabilized with vegetation, the potential for erosion will be insignificant.

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

Approximately 9% of the site will be covered with impervious surfaces (asphalt, concrete, gravel driveway).

The area of site covered by a four-inch-thick layer of coarse crushed rock is approximately 38%. The rock will cover the surface of the substation fenced area that is not covered with concrete slabs and foundations, and a 3-foot-wide path extending around the perimeter of the substation fence. The coarse rock will have a void ratio of approximately 30%.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

The Construction Stormwater Pollution Prevention Plan (SWPPP) for the project will dictate appropriate BMP's for avoiding, preventing and minimizing erosion and sedimentation during construction. The SWPPP implementation will comply with Island County stormwater regulations and the Washington State Department of Ecology Construction Stormwater General Permit.

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Short term direct emissions from vehicles and construction equipment will occur during the specific construction phase of the project. Odors from construction materials may occur, engine exhaust will be present during construction, and dust may be generated during short term clearing and grading activities. A temporary increase in carbon dioxide, nitrous oxide and methane emissions from off road, on road and possibly stationary sources involved in the construction phase will occur during the period of active construction and discontinue when construction is complete.

The greenhouse gas emissions associated with the active construction of the project are estimated to be as follows:

Carbon dioxide:	**168 metric tons**
Methane:	**5 kilograms**
Nitrous oxide:	**5 kilograms**
Total combined in CO2 equivalents:	**170 metric tons**

Long term emissions for the completed project are expected to remain consistent with existing emissions resulting from daily operations. These include emissions that may be associated with routine maintenance and / or repair of the completed project.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

Off-site emissions sources and climate change may have the potential to affect the proposal.

The Puget Sound Clean Air Agency has established local ambient air standards for six criteria air pollutants and the Agency monitors and reports on these air quality observations annually. These criteria air pollutants are:

- **Particulate Matter (10 micrometers and 2.5 micrometers in diameter)**
- **Ozone**
- **Nitrogen Dioxide**
- **Carbon Monoxide**
- **Sulfur Dioxide**
- **Lead**

Efforts to address air quality in the region have successfully achieved attainment for several of the criteria pollutants however observation sites in King, Pierce and Snohomish counties continue to exceed the Puget Sound Clean Air Agency local PM2.5 health goal for fine particulate matter. Observations at sites monitoring ozone indicate ozone levels remain a concern in the region. Carbon dioxide and methane are additional emissions of interest associated with climate change with the potential to affect weather conditions in the Snohomish County region.

Potential impacts in the Pacific Northwest due to climate change have been assessed through the National Oceanic and Atmospheric Administration U.S. Global Change Research Program, and summarized in the 2017 report titled *"Climate Science Special Report: Fourth National Climate Assessment, Volume 1."* The projected changes include declining springtime snowpack, reduced summer stream flows, warmer water temperatures, higher ambient temperatures and rising sea levels. Such changes could result in reduced water supplies, and thus the need to seek new sources or methods to meet future water demand.

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

The District has adopted a Climate Change Policy providing guidance to address planning and operational changes necessary to reduce greenhouse gas emissions from non-generation related activities. Additionally, a secondary goal is to improve the energy efficiency of generation, transmission, distribution and administrative facilities. Total utility greenhouse gas emissions inclusive of all District operations are calculated and tracked annually and this process is expected to continue.

Regarding the proposed project, all passenger vehicles and construction related vehicles and equipment are and will be properly maintained and will comply with applicable emission control devices and federal and state air quality regulations for exhaust pipe emissions. Operational measures to increase fuel efficiency and reduce fuel related emissions will be applied when practicable and attainable at reasonable cost. Idling of combustion engines will be minimized and equipment will be turned off when applicable.

Erosion control and dust control measures will be addressed as needed. BMP's to limit deposition of soil on roadways will be implemented and active dust suppression measures will be evaluated and applied as necessary.

Dust during construction will also be controlled through street sweeping and wetting the construction area during dry weather.

3. Water

a. Surface Water:

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.

A Type F stream/agricultural ditch (Stream A) originating from the property to the north meanders south through the site then exits the site through a large-diameter culvert crossing beneath E. North Camano Drive. The stream is classified as a Fish and Wildlife Habitat Conservation Area (FWHCA) and requires a 100-ft. protective buffer. A small Type B wetland (Wetland A) associated with Stream A is located in the eastern portion of the property. Wetland A requires a 110-ft protective buffer. A roadside ditch along E. North Camano Drive (Stream B) also meets criteria for classification as a Type F stream. Stream B originates from properties to the west and converges with Stream A at the culvert inlet. Stream B is classified as a FWHCA and requires a 100-ft. protective buffer.

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.

Aside from wetland enhancement mitigation plantings within a portion of the wetland, no work is proposed over or within Wetland A, Stream A, or Stream B. Work will take place adjacent to (within 200-ft) the two streams and one wetland. This includes the entire work area except approximately 4,300 sq. ft. in the northwest corner of the property.

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.

None.

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 flood plain? 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:

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 groundwater will be withdrawn from a well. No water will be discharged to groundwater.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: domestic sewage; industrial waste materials, agricultural wastes; 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.

None.

c. Water Runoff (including storm water):

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.

The source of water runoff is rainfall, with the potential for minor runoff contributions from irrigation. Any water runoff generated on-site drains to the on-site streams and wetland. A subsurface drain tile system exists along the north, west and east side of the substation yard that outlets to the roadside ditch/stream at two locations and one location along the wetland/stream on the east side of the property. The old drain tile system will be replaced with a new underdrain system that will discharge to the roadside ditch/stream at one location. The old drain tile discharge locations will be abandoned.

2) Could waste materials enter ground or surface waters? If so, generally describe.

No.

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 impacts, if any:

Construction stormwater pollution prevention:

- **The SWPPP for the project will dictate appropriate BMP's for preventing or minimizing erosion and sedimentation during construction. The SWPPP implementation will comply with Island County stormwater regulations and the Washington State Department of Ecology Construction Stormwater General Permit.**

Permanent stormwater management:

- **Stormwater runoff impacts will be mitigated in accordance with the Island County Code and Island County Stormwater Design Manual with emphasis on improving the hydrologic condition of the land cover and lowering the runoff potential.**

4. Plants

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

__**X**__ deciduous tree: alder, maple, aspen, **other (poplar, cottonwood)**

__**X**__ evergreen tree: fir, cedar, **pine**, other

__**X**__ shrubs

__**X**__ grass

____ pasture

____ crop or grain

____ orchards, vineyards or other permanent crops

___ 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?

Potential danger trees in close proximity to the substation in the northwest corner of the property consisting of poplar and cottonwood, and ornamental landscaping along the front of the substation will be removed.

c. List threatened or endangered species known to be on or near the site.

Based on review of publicly available resources reported on the Washington Department of Fish and Wildlife's Priority Habitats and Species database and Washington Department of Natural Resources Natural Heritage Program, no threatened or endangered plant species are known to occur on or near the site. No threatened or endangered plant species were observed by Wetland Resources, Inc. staff during site visits.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

The area outside the substation security fence will be landscaped with a variety of native trees, shrubs, and plants in accordance with Island County landscaping and screening requirements. The District provides routine maintenance to preserve and enhance site landscaping.

e. List all noxious weeds and invasive species known to be on or near the site.

None known.

5. Animals

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 or endangered species known to be on or near the site.

Based on review of publicly available resources reported on the Washington Department of Fish and Wildlife's Priority Habitats and Species database, no threatened or endangered species are known to occur on the site. Furthermore, Streams A and B drain through hundreds of lineal feet of impassable buried culvert between the subject site and the Puget Sound; no threatened or endangered fish species are known or likely to occur on the site, and none were observed by Wetland Resources, Inc. staff during site visits.

c. Is the site part of a migration route? If so, explain.

Yes, the site occurs in the Pacific Flyway.

d. Proposed measures to preserve or enhance wildlife, if any:

Proposed landscaping with native plants will enhance wildlife (i.e. may attract birds).

e. List any invasive animal species known to be on or near the site.

None known.

6. Energy and Natural Resources

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.

Small amounts of electrical energy will be used to operate the equipment and for lighting the substation when needed.

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:

The substation facility will utilize equipment designed to reduce electrical system losses.

7. Environmental Health

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.

The District constructs and operates its electrical system in compliance with all applicable public safety standards.

There is a present and future potential electrical hazard if someone were to gain access to the substation by breaching the security fence. The fence is designed and intended to discourage such occurrences and will comply with the requirements of the National Electrical Safety Code (NESC) ANSI C2 and WAC Chapter 296-45.

Transformer oil (mineral insulating oil) and battery acid will be located at the substation in quantities covered by the federal Emergency Planning and Community Right-to-Know Act, Section 312. The amounts and

locations of these materials are reported annually to the Environmental Protection Agency, the Washington State Emergency Response Commission, the Island County Department of Emergency Management, and to Camano Island Fire and Rescue.

The site will include switches containing sulfur hexafluoride gas (SF6) which is utilized in sealed equipment and is not released during routine maintenance and operations. SF6 gas has low toxicity, readily mixes with air, and is used in limited quantities.

Electric fields and magnetic fields (EMF) are associated with every power delivery system and electrical device. Possible effects upon human health from electric and magnetic fields continue to be investigated, with emphasis directed primarily at magnetic fields. The District looks to the research community for guidance and continues to monitor the research for definitive answers concerning EMF and human health. Current research findings are inconclusive. There are no established or known levels of human exposure to power line magnetic fields which have been determined to be harmful. Neither Washington State nor the Federal government regulates exposure to EMF.

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.

The power transformer will contain approximately 8,200 gal of mineral insulating oil that serves as an insulating and cooling medium. The control enclosure and metalclad switchgear will contain storage for batteries, used for system control and data communication. The batteries typically contain lead and sulfuric acid and will be installed in accordance with the Uniform Fire Code.

4) Describe special emergency services that might be required.

No special emergency services are required beyond normal community emergency response for fire, police and emergency medical aid.

5) Proposed measures to reduce or control environmental health hazards, if any:

Electrical Facilities:

The substation will be surrounded by a security fence with warning signs and locked entry gates to prevent access by unauthorized persons. Electrical protective devices, such as circuit breakers, insulators, and system remote surveillance equipment will be installed to reduce hazards from faults or overloads.

Regular inspections and maintenance will be performed, which will help prevent hazardous conditions. A substation grounding system will be installed to protect people within or adjacent to the substation fence from shock in the event of an electrical fault.

Oil and Hazardous Material Spills:

Substation facilities are designed to contain the release of transformer oil and battery acid during routine operations and emergency conditions. Spill response procedures have been developed in the District's Spill Prevention Control and Countermeasure (SPCC) Plan to address spill situations, as required by federal and state oil use regulations. The Plan provides for emergency condition notification, site specific response procedures, and utilization of an emergency spill response contractor if initial District response resources are not sufficient.

Oil spill prevention measures include*:*

- **Secondary oil containment for the oil-filled transformer in accordance with 40 CFR Part 112 – Oil Pollution Prevention and the District's SPCC Plan.**
- **Monitor 24 hours a day the oil-filled transformer pressure and low oil level alarms connected to the District's Energy Control Center (ECC) through a real time SCADA network.**
- **Detect oil-filled transformer failure and/or discharge through routine inspection and system monitoring.**
- **In the event oil is discharged, initiate the District's Oil Spill Contingency Plan in accordance with 40 CFR Part 109 – Criteria for State, Local, and Regional Oil Removal Contingency Plans.**
- **Notify authorities, recover, and cleanup an oil discharge in accordance with Washington Administrative Code (WAC), Chapter 173-303 – Dangerous Waste Regulations, Section 173-303-145 – Spills and Discharges to the Environment.**

The facility batteries will be sealed valve regulated lead acid batteries. This type of battery will greatly reduce exposure to electrolytes as the batteries are maintenance free and routine handling of battery acid within the facility will not occur.

b. Noise:

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment operation, other)?

There is vehicular traffic noise on E. North Camano Drive and State Route 532. There is a fire station directly west, a park and ride to the south, and businesses to the south that generate noise associated with their operations. Traffic and other noises 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.

There will be short-term noise from equipment during construction of the substation for a period of approximately 7 months in 2024 and 8 months in 2025. Construction sound levels may intermittently reach 70 dBA at the nearest properties. Construction work hours will be limited to County requirements but are anticipated to occur Monday through Friday from 7:30 a.m. to 5:00 p.m., excluding holidays.

There will be occasional minor noise from maintenance vehicles entering and leaving the substation after the substation is in operation. The substation power transformer is a source of low frequency (humming) sound during normal operations.

3) Proposed measures to reduce or control noise impacts, if any:

The existing 1960's vintage power transformer will be replaced with a new low noise transformer. The sound levels directly attributable to the new transformer are expected to decrease compared to existing conditions and be in compliance with applicable Island County noise limits.

8. Land and Shoreline Use

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.

The current use of the site is an electrical distribution substation. The property to the north is agricultural farmland; to the south is E. North Camano Drive, Freedom Park and a park and ride facility; to the west is a fire station; and Camano Pioneer Cemetery to the east.

The proposal will not affect current land uses on nearby or adjacent properties.

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 site contains a 115kV to 12kV electrical distribution substation consisting of: 1) transmission line termination (dead-end) and bus support structures, 2) pedestal bus support structures, 3) concrete equipment support foundations, 4) a 28 MVA power transformer (115kV to 12kV), 5) 115kV switches, 6) a metal-clad switchgear enclosure with 12kV circuit breakers and ancillary equipment, and associated electrical equipment, bus work, fittings, conduit and control wires. The station is surrounded by a 7-foot-high chain link fence topped with 3-strands of barbed wire for a total height of approximately 8-feet.

d. Will any structures be demolished? If so, what?

All electrical equipment, support structures and chain link fencing will be removed. All foundations, concrete fence curbs and asphalt driveway will be demolished and removed from the site.

e. What is the current zoning classification of the site?

Camano Gateway Village (CGV).

f. What is the current comprehensive plan designation of the site?

Mixed-Use Rural Areas of More Intensive Development (RAIDs)

g. If applicable, what is the current shoreline master program designation of the site?

Not applicable.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

Yes, Island County classifies the Type F streams and Type B wetland as critical area.

i. Approximately how many people would reside or work in the completed project?

No personnel will reside at the substation. Operations and maintenance personnel will occasionally make trips to the substation.

j. Approximately how many people would the completed project displace?

None.

k. Proposed measures to avoid or reduce displacement impacts, if any:

None.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

Compliance with the Island County zoning and land use development standards.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

None.

9. Housing

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.

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

There are no buildings proposed. The tallest structures will be the transmission line poles with a height of 80 feet above ground.

Other structure / equipment heights above ground include:

Distribution line poles	**45 ft**
Transmission line termination (dead-end) structures	**40 ft**
28 MVA power transformer	**18 ft**
115kV switches	**20 ft**
Metal-clad switchgear enclosure	**11 ft**
Control enclosure	**11 ft**
Fence	**8 ft**

b. What views in the immediate vicinity would be altered or obstructed?

None.

c. Proposed measures to reduce or control aesthetic impacts, if any:

Mitigation measures, such as landscape screening plus wetland and buffer enhancement will soften views of the substation from the neighboring properties and E. North Camano Drive.

11. Light and Glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

Interior lighting will be installed inside the substation and only used if needed during nighttime for emergency repair work and security.

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:

Lighting identified in paragraph (a) above will be directed inward toward equipment and outward to the substation fence. Lighting will be motion activated to minimize illumination time.

12. Recreation

a. What designated and informal recreational opportunities are in the immediate vicinity?

Freedom Park on the south side of E. North Camano Drive.

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

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 located on or near the site? If so, specifically describe.

No. There are no National Register of Historic Places-eligible or -listed located on or near the site.

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.

The Stillaguamish Tribe has indicated that a traditional trail is present near the site. This is also noted on an early General Land Office map. A cultural resources assessment within the Terry's Corner triangle south of the site made note of the trail and looked for surface and subsurface indications of its presence, but none were found.

The Camano Pioneer Cemetery abuts the east side of the site.

These resources are identified in the professional study conducted for this project titled, "Cultural Resources Assessment for the Camano Substation Expansion and Upgrade Project" prepared by WestLand Engineering and Environmental Services, Inc., dated November 18, 2022.

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.

The methods used include archaeological research and records search, pedestrian survey, geophysical (GPR) survey, and consultation with the Washington State Department of Archaeology & Historic Preservation.

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.

The proposed measures are to limit the area of potential impact to the west side of the stream and wetland located on the east side of the site and avoid the area directly adjacent to the historic Camano Pioneer Cemetery. During construction, if artifacts, cultural deposits, or human remains are discovered inadvertently, work shall stop immediately and the Inadvertent Discovery Plan in the cultural resources report prepared by WestLand Engineering and Environmental Services, Inc. shall be implemented.

14. Transportation

a. Identify public streets and highways serving the site and describe proposed access to the existing street system. Show on site plans, if any.

The site access from the north side of E. North Camano Drive. The existing substation has two driveways that connect to E. North Camano Drive. Each driveway will be rebuilt in the same location.

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?

Not applicable.

c. How many parking spaces would the completed project have? How many would the project eliminate?

No parking spaces will be eliminated. The driveways will provide two off-street parking spaces outside the fenced area for maintenance vehicles making short-term stops at the site.

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 use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

Vehicular trips to the substation site will not change and will not generate increased vehicle traffic. Site visits average less than one per day.

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.

No.

h. Proposed measures to reduce or control transportation impacts, if any:

None.

15. Public Services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

No.

b. Proposed measures to reduce or control direct impacts on public services, if any.

None.

16. Utilities

a. Underline utilities currently available at the site: **electricity**, natural gas, water, **refuse service**, **telephone**, sanitary sewer, septic system, other _____

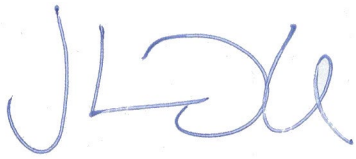
b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

Power: **Public Utility District No. 1 of Snohomish County**

Telephone:	**District fiber system**
Irrigation Water:	**Camano Hills Water Company. Install a water service connection and extend it east approximately 240 feet to the site.**

C. SIGNATURE

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: Jacob Dahl

Position and Agency/Organization: Substation Civil Engineer / Public Utility District No. 1 of Snohomish County

Date Submitted: March 8, 2023