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 frlom 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:

   **Jennings Park 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: Will Blanchard, P.E., (425) 783-4303**

4. Date checklist prepared:

   **April 21st, 2022**

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 – Q2 2023**
   - **Site construction phase I for station and facility (single bank with loop through) estimated to be July 2023 – December 2023.**
   - **Electrical Assembly (single bank with loop through) estimated December 2023 through October 2024.**

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

   **The station yard footprint will be constructed to accommodate the addition of additional 115kV: power transformer, bus work, transmission line termination structures, switches, transmission lines, circuit breakers, electrical enclosures and ancillary equipment needed to support the ultimate buildout of a 115kV-12.5kV switching double bank substation.**

   **There will also be ongoing maintenance of poles; stormwater system; underground conduit and vaults; site access driveway; fencing and other appurtenances as needed to maintain the station and facility and preserve electrical system reliability. This will include necessary vegetation management, upgrades in capacity, and other routine utility repair or maintenance within the station, the 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.

   - **Geotechnical Engineering Report prepared by Zipper Geo, Inc., dated December 6, 2021**
   - **Critical Areas Determination Report prepared by Wetland Resources, dated November 22, 2021**
   - **Stormwater Pollution Prevention Plan, prepared by the District, expected final document first quarter 2023**
   - **Drainage Study prepared by the District expected final document first quarter 2023**
   - **Asbestos and Lead Based Paint Survey of building on site to be prepared; expected completion third quarter of 2022 after tenant vacates.**
   - **Cultural Resources Assessment of property; expected completion date third quarter of 2022.**
   - **Acoustical study; expected completion date third quarter of 2022.**

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**

    **City of Marysville**

**Grading Permit**
**Right-of-Way Permit**
**Fence Permit**
**Demolition Permit**

**Washington State Department of Ecology**
**Construction Stormwater General Permit**

**Puget Sound Clean Air Agency**
**Project notification**

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 construct and operate a 115kv electrical distribution substation.**

**This project is part of the District's Electric System Capital Program to provide additional electrical capacity and reliable electric service within the City of Marysville service area.**

**The station site is located at the addresses of 7728 and 7708 47th Ave NE Marysville, WA. The project property contains two parcels, parcel 1 tax account 30052100414500 (2.40 +/- acres) and parcel 2 tax account 30052100412500 (0.96 +/- acres) combined total is approximately 3.36 acres. Parcel 2 includes an existing commercial building and an existing wireless communications facility. The commercial building will be removed to facilitate the installation of transmission and distribution and the wireless facility is being relocated by the owner.**

**The ultimate layout for the substation will include two 115kv transmission lines terminating into a substation with two 28 +/- MVA power transformers, two electrical enclosures and up to ten 12.5 kV distribution circuits will exit the station and service the surrounding areas.**

**The proposed layout includes include two 115kv transmission lines terminating into a substation with one 28 +/- MVA power transformer, one electrical enclosure and up to five 12.5 kV distribution circuits will exit the station and service the surrounding areas.**

**The station transforms power delivered from 115,000 Volts (115kV) to 12,500 Volts (12.5kV) and distributes it to the District's electrical grid to serve customer power needs.**

**The station will generally consist of:**

- **A 1.1-acre station yard surfaced with crushed rock. The yard will be enclosed with a security fence in compliance with the National Electric Safety Code (NESC)**
- **One 28 Mega-Volt-Ampere (MVA) power transformer**
- **One metal-clad switchgear enclosures including 12kV circuit breakers, one control enclosure and ancillary equipment**

- **115kV switches and circuit breakers or circuit swtchers**
- **Overhead aluminum bus and conductors**
- **Galvanized steel transmission line termination (dead-end), switch, and bus support structures**
- **Conduit, vaults, and pad-mounted switch cabinets for underground 12kV distribution circuits, power and control wiring**
- **Related site work for the station includes: station and driveway grading; a stormwater management system; oil spill containment system for each transformer; security fence with high voltage warning signs; electrical grounding system; and access road with an access control gate**

***Transmission and distribution line construction associated with the station:***

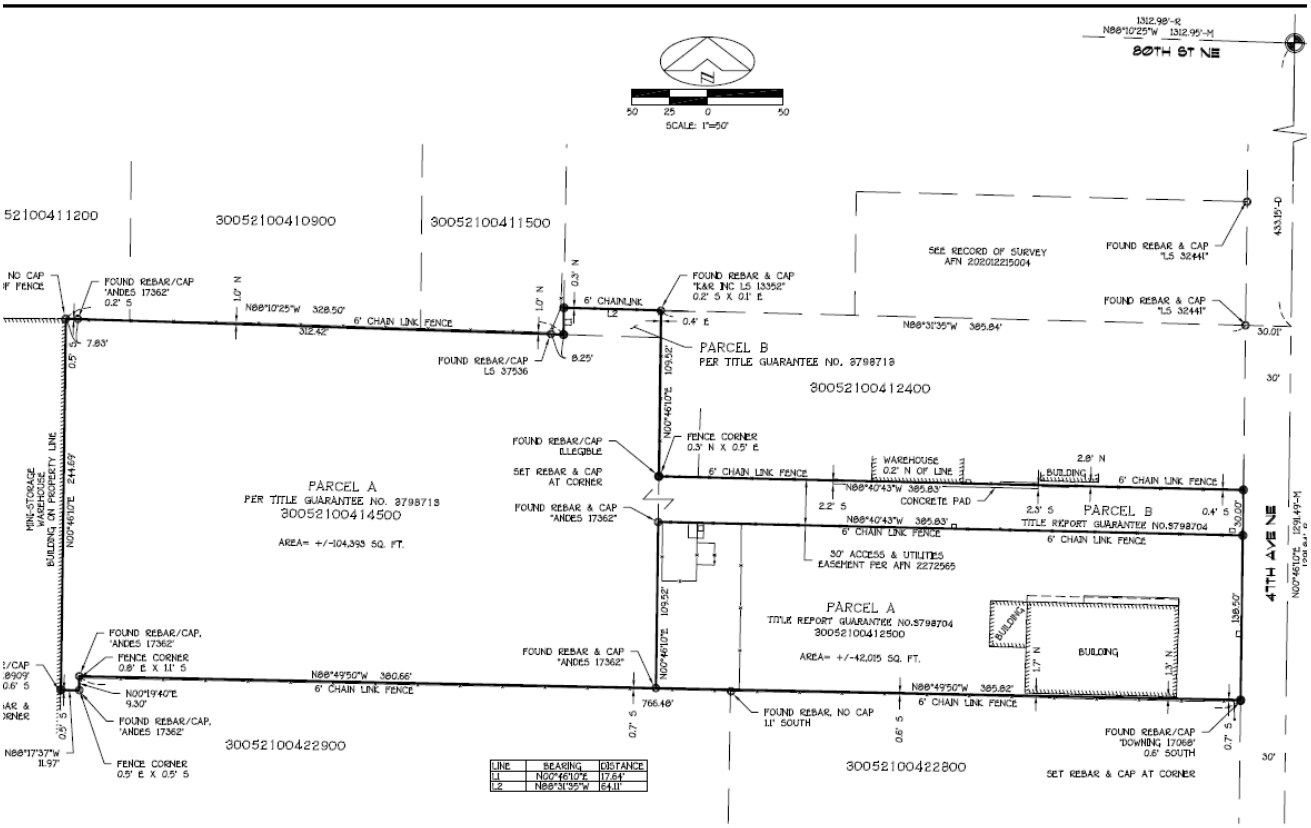
- **Two 115kV transmission lines will enter and exit the project site from the east allowing for the station to be "looped thru" for additional reliability. The transmission lines will exit the site heading north along 47th ave NE. One 115kV line is expected to head west along 80th St NE past the existing Central Marysville Substation; the second is expected to continue north until approximately 84th St NE where it will turn west.**
- **The four 12kv distribution circuits will be routed eastward towards 47th Ave NE. Once reaching 47th Ave NE two of the circuits will be routed north and the remaining two will be routed south. The route of a future fifth circuit is yet to be determined.**
- **The route of the remaining four future 12kv distribution circuits and an additional future fifth in the ultimate design is unknown at this time; as the area further develops these circuits will be routed as needed to support capacity and reliability.**

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.

| | |
|---|---|
| **Tax Numbers:** | **30052100412500 & 30052100414500** |
| **Street Addresses:** | **7728 & 7708 47th Ave NE Marysville, WA 98270** |
| **Legal Description:** | **SEC 21 TWP 30 RGE 05 RT-202 ) S1/2 OF E1/2 OF TH PTN SW1/4 SE1/4 DAF COM NE COR SD SUB TH S00*55 53E 453.75FT TH W 20FT TPB TH W 788.50 FT TH S 243FT TH E 12FT TAP 796.50FT FR E LN SD SUB TH N01*2222W 9.30FT TH N89*28 07E 776.50FT TH N00*55 53W 226.50FT TPB EXC N 15FT OF SD S1/2 OF E1/2 LESS RD R/W TO CITY OF MAR PER DEED &** |

**DEDICATION FOR PUBLIC R/W REC AFN 199908050634**

**Section 21 Township 30 Range 05 Quarter SE TH PTN SW1/4 SE1/4 SD SEC DAF PAR A OF SWD FROM HELEN L BEAR EXECUTRIX OF ESTATE OF CLARA E VAN METER TO DONALD LACOURSIERE REC UND AFN 227562 SD PAR ADAF COM NE COR SD SUB TH S00*55 53E ALG E LN THOF 453.75FT TH W 20FT TO W LN E 20FT SD SUB AS CONVYD TO SNO CO BY DEED VOL 240 PG 423 TPB TH W 788.5FT TH S 243FT TH E ALG LN PLT S LN LSD SUB 12FTTAP DIST 796.5FT ALG SD PLL LN FROM E LN SD SUB TH N01*22 22W 9.30FT TH N89*28 07E 776.5FT TO SD W LN SD E 20FT SD SUB TH N00*55 53W ALG SD W LN 226.5FT TO TPB EXC TH PTN THOF DESC IN SWD DONALDCOURSIERE TO CHESTER E AND HELEN L JENSEN REC UND AFN 2272564 SD JENSEN PAR BEING S1/2 E1/2 LESS N15FT THOF OF ABV DESC PAR A AND EXC TH PTN THOF DESC IN SWD OLYMPIC BK AS PERSONAL REPRESENTATIVE FORESTATE OF DONALD LACOURSIERE TO EUGENE R AND PATSY A ROBERTSON REC UND AFN 8101230269 SD ROBERTSON PAR BEING N1/2 E1/2 LESS S 15FT THOF OF ABV DESC PAR A; TGW TH PTN SW1/4 SE1/4 SD SEC DESC IN QCDMERRILL AND HAZEL METZGER TO DONALD LACOURSIERE REC UND AFN 7808030223 AS FOLLOWS COM NE COR SD SUB TH N89*52 39W ALG N LN SUB 384.00FT TH S00*55 53E PLW E LN SD SUB 435.49FT TO EXIST FENCE THE TPBTH S00*55 53E PLW E LN SD SUB 18.26FT TH N89*52 39W PLW N LN SD SUB 96.00FT TH N00*55 53W PLW E LN SD SUB 17.67FT TO EXIST FENCE TH N89*46 22E ALG EXIST FENCE 95.99FT TO TPB LESS TH PTN THOF LY E OF WLN E1/2 OF PAR A SWD REC UND AFN 2272562 LESS RD R/W TO CITY OF MAR PER DEED & DED REC AFN 199908260733**




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)?

**Approximately a 1 precent max across the site.**

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.

**The USDA Natural Resources Conservation Service Soil Map identifies the on-site soils as approximately Ragnar fine sandy loam. The Ragnar fine sandy loam is used mostly for homesite development as well as cropland, hay, pasture and woodland.**

**The site-specific geotechnical evaluation and report identifies the surface**

**soil layer to consist of a fill material; subsurface of the fill layer is a recessional outwash layer.**

**The fill material layer ranged in depth from roughly 2-feet to 3.5-feet deep depending on the location on site. The fill material consists of mostly coarse sand to cobble sized fragments of crushed rock.**

**These parcels are zoned for commercial based use within the City; they are not intended for farmland. The proposed development will result in the removal of some of these soils where required.**

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 3 acres will be affected by land disturbing activities.**

**The geotechnical report identifies much of the on-site soils as being re-usable given proper moisture conditions and protections. Conservatively assuming that the on-site soils may not be largely reusable, approximate earthwork quantities for the site include:**

**Cut ±6,000 cubic yards**

**Fill ±9,000 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.**

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 (BMP's) 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 17% of the property will be covered with impervious surfaces.**

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

**The Construction Stormwater Pollution Prevention (SWPP) Plan for the project will dictate appropriate BMP's for avoiding, preventing and minimizing erosion and sedimentation during construction. The SWPP Plan and implementation will comply with the City of Marysville 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:** | **128 metric tons** |
| **Methane:** | **5 kilograms** |
| **Nitrous oxide:** | **4 kilograms** |
| **Total combined in CO2 equivalents:** | **128 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. 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.

**No.**

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.

**No.**

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. Stormwater runoff will infiltrate on-site and eventually find its way 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. Water runoff will be lost by evaporating, transpiring through vegetation, and infiltrating through the fill, outwash and Whidbey formation soil layers.**

**Stormwater runoff from impervious surfaces will primarily remain dispersed throughout the site. However, where stormwater will collect and concentrate, runoff will be infiltrated using BMP's.**

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 SWPP Plan for the project will dictate appropriate BMPs for preventing or minimizing erosion and sedimentation during construction. The SWPP Plan and implementation will comply with City of Marysville stormwater regulations and the Washington State Department of Ecology Construction Stormwater General Permit.**

***Permanent stormwater management:***

- **Stormwater runoff impacts will be mitigated using on-site stormwater management infiltration and dispersion BMPs in accordance with City of Monroe stormwater regulations.**

4. Plants

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

___deciduous tree: alder, maple, aspen, other

___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?

**Grass and shrubs will be removed to accommodate the development.**

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

**No threatened or endangered species are reported on the Washington Department of Fish and Wildlife's Priority Habitats and Species database.**

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

**Landscaping will be installed in accordance with the City of Marysville's regulations.**

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

**Himalayan blackberry and Scot's broom are present on or near the site.**

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.

**None known.**

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

**Yes, the pacific flyway.**

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

**No measures are proposed.**

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 station 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 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 station 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 station 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 the Washington State Emergency Response Commission, the Snohomish County Department of Emergency Management, and to the Snohomish Regional Fire and Rescue Department.**

**The station 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.

**Each power transformer will contain approximately 8,200 gal of mineral insulating oil that serves as an insulating and cooling medium. The control enclosure, communications enclosure and metalclad switchgears 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 station 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. The station grounding system will be installed to protect people within or adjacent to the station fence from shock in the event of an electrical fault.**

***Oil and Hazardous Material Spills:***

**Station 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 transformers 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.**

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 the roads around the project site as well as a commercial business operating on a neighboring parcel.**

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 station for a period of approximately 12 months in mid 2023 to mid 2024. Construction sound levels may intermittently reach 70 dBA at the nearest properties. Construction work hours will be limited to City 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 station after the station is in operation. The station power transformers are a source of low frequency (humming) sound during normal operations. The noise levels will be below permissible noise levels established by City of Marysville noise ordinance.**

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

**Low noise transformers will be utilized in the station.**

**The District will comply with the City's noise ordiance. The City adopts WAC 173-60-040 via MMC 6.76.**

**Parcel A will be used to construct the station which will include a 28 mVa transformer. The parcels neighbors are largely class B EDNA (business) with an exception to the northeast corner of parcel 1 which includes frontage to a class A EDNA (residential).**

**The permissible noise levels from the Districts proposed substation at the property line are therefore 55 dBa at the residential property and 57 dBa at the business properties. The District's noise generating equipment includes a 28-mva transformer. According to the manufacturer's product specification generates 55 dba at a 3 foot distance from the transformer. Given the distance from the transformers to the neighboring properties, the District expects the noise to comply with the City's ordinance and will commission an acoustical study to confirm and provide recommendations to reduce noise if necessary.**

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 site is currently vacant.**

**Adjacent properties include vacant lots to the north and south; businesses; a mini storage business wo the west; a masonry and landscape supply store to the north and residential apartments to the northeast of parcel 1.**

**The proposal will support existing and planned land uses on adjacent properties by providing improved electrical reliability and additional electrical capacity.**

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.

**There is an existing masonry building upon parcel 2.**

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

**Yes, the existing masonry building will be demolished.**

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

**City of Marysville: GC – General Commercial**

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

**City of Marysville: GC – General Commercial.**

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.

**No environmentally related critical areas.**

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

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

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:

**Construction of Jennings Park substation is compatible with the comprehensive plan of the City of Marysville. The City's comprehensive plan discusses the role of the PUD in section 10-3.**

**MMC section 10-4: "As noted above, the PUD plans to use conservation and energy efficiency programs to serve population growth within the City. This will be done in conjunction with improvements in system operation and infrastructure…"**

**Construction of Jennings park substation is one of the infrastructure improvements described within the plan.**

**The Marysville Municipal Code (MMC) 22A.020.220 defines "Utility Facility" to mean "A facility for the distribution or transmission of services to an area, requiring location in the area to be served, including, but not limited to:…(3) Electrical switching substations;" MMC 22C.020.060 Permitted uses classifies the construction of a "Utility Facility" as a permitted activity within GC zoning.**

**The District will apply for land development permits as required by the City to address any remaining compatibility issues.**

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.**

***Approximate transmission pole and station structure / equipment heights:***

| | |
|---|---|
| **Transmission poles** | **80 ft** |
| **Transmission line termination (dead-end) structures** | **80 ft** |
| **28 MVA Power Transformers** | **18 ft** |
| **115kV Switches** | **18 ft** |
| **Metal-clad switchgear enclosures** | **11 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:

**Landscaping will be installed as previously described in item 4(d).**

11. Light and Glare

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

**Interior security and emergency lighting will be installed inside the station and will normally be used only if needed during nighttime emergency repair work.**

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:

**Station lighting identified in paragraph (a) above will be directed inward, toward equipment being worked on during nighttime emergency repair work.**

12. Recreation

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

**None.**

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.

**The DAHP Wisaard tool does not identify any.**

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 known.**

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 Department of Archaeology & Historic Preservations (DAHP) WISAARD database was used to identify any known historic information at the site.**

**WISAARD predictive model highly advises a survey be conducted. The DISTRICT will hire a consultant to a cultural resources assessment of the property as described in A.8.**

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 District will abide by recommendations made within the cultural resources assessment regarding mitigation.**

**In the event artifacts, historical or cultural features are uncovered inadvertently, the work will be stopped and contact made with DAHP and the City of Marysville.**

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.

**Ingress and egress are by way of a driveway from 47th ave NE.**

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?

**The building on site had open space for vehicle parking for the business located there. Approximately five vehicles were observed parking there. The building will be demolished and the business relocated; thus the need for parking will be eliminated.**

**Designated parking spaces will not be provided as part of this proposed substation. The driveway fronting the station will have sufficient space for District vehicle parking as well as space inside the station and facility yard for operation and maintenance crews.**

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 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?

**Based upon similar District station, typical post-construction vehicle traffic is expected to be roughly two vehicle trips per month for purposes of station operation and maintenance.**

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:

**Transportation impact mitigation is not proposed for the station as it does not has an appreciable permanent effect upon traffic and thus requires no mitigation.**

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** |
| **Water:** | **City of Marysville** |

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: William a Blanchard

Name of signee: William A Blanchard

Position: Principal Civil Engineer

Agency/Organization: Public Utility District No. 1 of Snohomish County

Date Submitted: 4/21/2022