CITY OF SNOHOMISH

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STATE ENVIRONMENTAL POLICY ACT (SEPA) CHECKLIST

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. 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 [help]

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.

USE OF CHECKLIST FOR NONPROJECT PROPOSALS [help]

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.

Project #: SEPA19-0006	
Date: 2/4/2020	**Staff Intake:** KMH

A. BACKGROUND [help]

ADMINISTRATION COMMENTS ONLY

1. Name of proposed project, if applicable:

   City of Snohomish Comprehensive Water System Plan

   Identified as the WSP throughout this checklist

2. Name of applicant:

   City of Snohomish

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

   Andrew Sics, City of Snohomish, PO Box 1589, Snohomish, WA 98291
   360-282-3174

4. Date checklist prepared:

   December 12, 2019

5. Agency requesting checklist:

   City of Snohomish

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

   The City of Snohomish (City) Comprehensive Water System Plan (WSP) proposes projects that will rehabilitate and replace aging water mains as well as construct new facilities to accommodate future growth. The WSP Capital Improvement Program (CIP) recommends a schedule for construction of various specific improvements to the water system between 2019 and 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. The WSP proposes construction of water mains, water storage facilities, pump stations, improvements to supply sources and various associated appurtenances necessary to provide adequate potable water service and fire protection capabilities for current and future residents of the water service area. In addition, the WSP responds to both current infrastructure needs and planning for future growth. The WSP anticipates a level of population growth established in the City of Snohomish Comprehensive plan. If the City's comprehensive plan identifies a new growth pattern in the future, the subsequent WSP update will reflect this modified growth.

   Adoption of the WSP is a non-project action. Any projects that the plan identifies will be subject to a separate SEPA review process, if applicable.

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

   Environmental checklists and required related studies will be prepared for individual construction projects listed in the WSP.

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.

   None known.

10. List any government approvals or permits that will be needed for your proposal, if known.

    Department of Health, Department of Ecology.

ADMINISTRATION COMMENTS ONLY

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 City's WSP proposes various improvements that are necessary to resolve existing system deficiencies and plan for the projected growth of water system customers. The WSP details the service area, existing facilities and water use, as well as the construction, operation and maintenance requirements for the water system. The WSP was prepared in accordance with WAC 246-290-100.

The WSP is a planning document for Group A public water supplies

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.

See included Figure 2-1 of the WSP.

https://www.snohomishwa.gov/DocumentCenter/View/6001

The draft WSP applies to properties within the City of Snohomish and some properties beyond the municipal boundaries that are served by City water.

B. ENVIRONMENTAL ELEMENTS

1. Earth [help]

a. General description of the site (circle one):
Flat, rolling, hilly, steep slopes, mountainous, other _____

Flat, rolling, hilly, steep slopes.

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

Ground slopes in the City varies. Generally the south end of town adjacent to the Snohomish River are the lower elevations. The elevation increases from south to north at slopes ranging from 1%-5%. The eastern portion of the City maintains a ridge which parallels Holly Vista Dr. and along the east slope of this ridge just west of Machias Road is where the steepest slopes exist. These slopes range from 25% to 50%.

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 Soil Survey for Snohomish County shows the area to be mainly in a map unit comprised of Tokul gravelly loam with slopes of 0-8%.

ADMINISTRATION COMMENTS ONLY

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

Yes. The eastern portion of the City maintains a ridge which parallels Holly Vista Drive and along the east slope of this ridge just west of Machias Road is where the steepest slopes exist. It is in this vicinity that the City has had a history of slides.

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.

No excavations will occur at this stage of plan adoption. The checklists for individual projects will define the purpose, type and approximate quantities of filling and grading on site specific basis.

Non-project action

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

Some erosion could potentially occur during the construction of the proposed projects. The checklists for individual projects will further address this on a site specific basis.

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

The checklists for individual projects will identify impervious surfaces on a project specific basis. Water main projects will not likely result in new impervious surfaces. Future water main projects will likely be completed in conjunction with new road projects, but will not specifically result in new impervious surfaces.

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

Construction performed during dry periods (between May 1st and September 30th), followed by landscaping and restoration of existing ground contours, features and substrates, will significantly reduce potential erosion impacts. Temporary Erosion and Sedimentation Control (TESC) plans will need to be developed using the City-adopted 2012 Edition of the Washington State Department of Ecology's Stormwater Management Manual for Western Washington and approved by the City prior to any construction project.

No measures are proposed at this time because this is a non-project action

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.

Temporary construction machinery and vehicle exhaust emissions are anticipated during construction of the proposed projects. Dust emissions during excavation may also occur. There shall be no emissions to the air resulting from the operation of the finished projects, with the exception of vehicle emissions generated during employee site visits. Indirect emissions of the project include those resulting from expanded development within the UGA, such as construction vehicle exhaust and dust, and personal vehicle exhaust and wood/pellet burning stoves. The checklists for individual projects will further address this on a site specific basis.

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:

Vehicle emissions shall be kept to a minimum by turning off construction equipment and other vehicles instead of allowing them to idle during periods when they are not being used. Appropriate dust control measures (sweeping, watering) will be implemented as part of each project's TESC plan to keep construction-generated dust to a minimum. The checklists for individual projects will further address this on a site specific basis.

3. Water [help]

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.

Yes. The city maintains or is adjacent to the following water bodies: Swifty Creek, Cemetery Creek, Myrick's Fork, Pilchuck River, Snohomish River and Blackman's Lake.

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.

Proposed CIP projects recommended in the WSP will come near or cross Swifty Creek, Cemetery Creek, Myrick's Fork, Pilchuck River, Snohomish River and Blackman's Lake. Only conceptual routing has been prepared for these projects, which are shown in Figure 9-1 of the WSP. The checklists for individual projects will further address this on a site specific basis.

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 fill or dredge activities in water bodies or wetlands is anticipated.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

No surface water withdrawals or diversions are anticipated.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

No new facilities are anticipated within the 100-year floodplain.

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.

Depending upon the ground water table during construction of the Proposed CIP projects recommended in the WSP, ground water may or may not be encountered. If there is a substantial amount of groundwater making construction difficult, it will be withdrawn and properly managed as per DOE requirements. There may be small quantities of water discharge to groundwater during construction when tying new mains into the existing system. Overall the quantities will vary but are anticipated to be non-consequential.

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.

None.

ADMINISTRATION COMMENTS ONLY

This is a non-project action. Any future projects identified by the WSP will be subject to a separate SEPA process, if applicable.

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.

Runoff control during construction will be prescribed in construction documents and individual project TESC plans. The checklists for individual projects will further address this on a site specific basis.

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, and drainage pattern impacts, if any:

Best management practices will be followed in accordance with currently adopted standards.

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
- [x] 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?

Generally, CIP projects occur in unvegetated improved rights-of-way or new rights-of-way cleared for road improvements, however, some specific projects may require the removal of vegetation. The checklists for individual projects will further address this on a site specific basis.

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

NHP's List of Known Occurrences of Rare Plants in Washington for Snohomish County contains one Federal Species of Concern, stalked moonwort, Botrychium pedunculosum, but no listed threatened or endangered species. NHP's Snohomish County list does contain three State-threatened plant species. They are: Smoky Mountain sedge, Carex proposita, water lobelia, Lobelia dortmanna, and Choris' bog-orchid, Platanthera chorisiana. This list is county-wide and does not necessarily reflect occurrence of these species in the City. The checklists for individual projects will further address this on a site specific basis.

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

Landscaping and screening may be part of the requirements for facility projects. Any necessary landscaping shall utilize native plants when appropriate. The checklists for individual projects will further address this on a site specific basis.

ADMINISTRATION COMMENTS ONLY

This is a non-project action. Any future projects identified by the WSP will be subject to a separate SEPA process, if applicable.

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

None known.

ADMINISTRATION COMMENTS ONLY

This is a non-project action. Any future projects identified by the WSP will be subject to a separate SEPA process, if applicable.

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.

The Washington State Department of Fish and Wildlife (WDFW) Salmonoid Stock Inventory (SaSI) in 2002 indicated that the Winter Steelhead presence was depressed for both the Pilchuck River and the Snohomish River.

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

Bald eagles (not federally listed, but still protected under the Migratory Bird Treaty and Bald and Golden Eagle Protection Act) have been reported in the City's water service area.

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

Construction work must occur within specific windows that do not interfere with migration and spawning of listed Salmonoids and nesting bald eagles. Construction activities must meet all pertinent regulations.

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.

Petroleum fuels and lubricants will be consumed by machinery used during construction. Operation of some water system facilities will require electricity and backup diesel or gas run generators that may be located on-site in the event of power outages.

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:

Use of high efficiency pumps and motors and water main of sufficient diameter to minimize pumping head losses (and associated power usage).

ADMINISTRATION COMMENTS ONLY

This is a non-project action. Any future projects identified by the WSP will be subject to a separate SEPA process, if applicable.

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.

N/A - Treatment plant no longer in operation

1) Describe any known or possible contamination at the site from present or past uses.

N/A

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.

N/A

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.

N/A

4) Describe special emergency services that might be required.

None are anticipated. Local police, fire and aid should suffice during construction.

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

N/A

b. Noise

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

None.

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.

Temporary construction noise may be expected during working hours. No long-term noise is anticipated with any of the identified improvements. Some noise will be generated by electric motors and pumps near the new booster pump.

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

Construction equipment will need to be properly maintained and muffled, and the hours of construction will be limited to coincide with the normal workday period. Pumps will be enclosed in a building or other structure to minimize noise impacts. The checklists for individual projects will further address this on a site specific basis.

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.

Land use in the City's water service area is a mixture of residential, commercial, industrial, agricultural, business and public facilities as shown in Figure 3-1 of the WSP.

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?

Portions of the planning area have been and continue to be used for agriculture.

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.

A variety of typical residential, business, commercial and industrial structures exist in the City's Water Service Area.

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

None anticipated.

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

The zoning in the City's water service area is a mixture of residential, agriculture, public facilities, business, Commercial and industrial zones. The checklists for individual projects will further address this on a site specific basis.

ADMINISTRATION COMMENTS ONLY

This is a non-project action. Any future projects identified by the WSP will be subject to a separate SEPA process, if applicable.

The WSP has applicability throughout City limits. Zoning information is available on City website at https://www.snohomishwa.gov/177

ADMINISTRATION COMMENTS ONLY

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

The current comprehensive plan designations are consistent with the mixed uses in the City's water service area. The checklists for individual projects will further address this on a site specific basis.

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

N/A

Non-project action, not site specific

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

The City maintains Critical Areas regulations and maps that specifically identify such areas within the City Limits. The checklists for individual projects will further address this on a site specific basis.

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

The projects will maintain essential potable water supply for the City's water system, which is projected to serve a resident population of 14,355 by 2038. No one will reside or work in the proposed projects themselves, but the construction of these projects will allow further development of the City's service area.

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:

The WSP was developed to ensure compatibility with the Growth Management Act, the City of Snohomish Comprehensive Plan and the Snohomish County Comprehensive Plan.

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

N/A

9. Housing [help]

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

The indirect effect of new housing and other structures is not known as a result of the WSP. No housing is expected to directly occur as a result of these projects; however, the proposed projects will allow for continued residential growth.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

The indirect effect of new or eliminated housing and other structures is not known as a result of the WSP. No housing is expected to be eliminated as a result of the proposed projects.

ADMINISTRATION COMMENTS ONLY

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

N/A

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 tallest proposed structure in the WSP is a Booster Pump Station. Actual dimensions and materials will be established at the design stage and the checklist for the individual project will further address this on a site specific basis.

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

Unknown. The checklists for individual projects will further address this on a site specific basis.

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

Screen fencing and vegetation screening will likely be utilized. The checklists for individual projects will further address this on a site specific basis.

11. Light and glare [help]

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

The proposed projects would generate no light or glare.

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?

Not known.

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 proposed projects would allow for the continued passive recreational opportunities that are consistent with the commercial and residential character of the City's water service area.

City of Snohomish has several existing parks, not proposed for alteration under this plan adoption

ADMINISTRATION COMMENTS ONLY

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

According to the Washington Heritage Register (WHR), WHR Snohomish; Iverson, Victor, Home; 312 Avenue D (11/8/1972), WH-BARN Snohomish; Jensen, Roy and Edna, Barn; 6306 60th Street SE (5/22/2009), WHR/NR Snohomish Historic District; Roughly Bounded By Avenue East, Fifth Street, Union Avenue, Northern Pacific Railroad, and Snohomish River (10/22/1974), WH-BARN Snohomish VICINITY; Barn; 816 S. Machias Road (11/2/2007).

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.

See above.

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.

N/A: A non-project action

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.

If cultural artifacts or historic resources are uncovered during construction, project work should be suspended immediately. Appropriate authorities at the County and State levels would be notified and appropriate measures would be taken to protect these resources.

This is a non-project action. Any future projects identified by the WSP will be subject to a separate SEPA process, if applicable.

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.

Arterials running through the project area are US 2, SR 9, Bickford Avenue, Second Street, Lincoln Avenue, Maple Avenue, Machias Road and Three Lakes Road, as shown in Figure 2-1 of the WSP. Water main projects are proposed for some of these arterials as well as other sections of residential collectors in the City's water service area. These construction projects would not likely require full-closure of these streets, and the City will make the effort to keep two-way traffic open where possible. If traffic impacts are anticipated, traffic planning may be necessary and would be completed in coordination with the City. The construction of facility projects will likely not affect public streets or highways. The checklists for individual projects will further address this on a site specific basis.

ADMINISTRATION COMMENTS ONLY

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?

Yes. Community Transit Routes #424 and #277 stop at 2nd Ave and Ave D in Snohomish. The 424 serves Snohomish, Monroe and Seattle. The 277 serves Everett, Snohomish and Gold Bar.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

No parking spaces will be constructed as a part of the WSP unless the projects are done in conjunction with road or parking projects.

This is a non-project action. Any future projects identified by the WSP will be subject to a separate SEPA process, if applicable.

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).

Some of the anticipated water main work may allow opportunities for roadway improvements.

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

A few of the proposed projects will require installation of water main crossing railroad tracks, streams, and in the vicinity of the Snohomish Airport as shown in Figure 9-1 of the WSP.

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?

The proposed projects should not measurably, directly increase vehicular traffic in the planning area, with the exception that indirectly, growth can occur as planned in the City's water service area.

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:

Construction would take place in a timely manner to minimize obstructions and alterations of local traffic flow. Approved traffic control will be provided during construction if needed.

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.

The Plan includes recommendations that will improve the current level of public services and accommodate future service needs. Proposed improvements will help ensure adequate and responsive water service for the residential and commercial growth projected in the City.

ADMINISTRATION COMMENTS ONLY

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

None.

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 WSP describes the expansion and improvement of the City's existing water system as described in Chapter 9.

C. Signature [help]

The information and answers provided in this Environmental Checklist (including Supplement for Non-project Actions, if applicable) 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: _____

Date Submitted: 2-4-2020

Agency Evaluation completed by: Brooke Eidem Date: 2/19/2020

Signature: _____

D. supplemental sheet for nonproject actions [help]

(**IT IS NOT NECESSARY** to use this sheet for project actions)

ADMINISTRATION COMMENTS ONLY

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

   During construction of the proposed water main and facility projects, discharge of turbid water could occur. After the projects are completed, development in the City's water service area may be expanded into the new areas served by the City's water system. Without these utility improvements, development projects would be unable to occur at the density the City anticipates. More development and density will produce more wastewater to be treated/discharged. Increased impervious surfaces will increase discharge of stormwater to local water bodies which may also contribute to higher flood risks. Temporary construction emissions expected include exhaust from machinery and vehicles, and dust. Personal vehicles belonging to the new homes built as a result of the improved and expanded water system and various heating methods would contribute exhaust and greenhouse gas emissions to the air. The proposed projects will generally improve existing conditions by accommodating future growth and ensuring a safe and reliable water supply.

   Proposed measures to avoid or reduce such increases are:

   TESC plans for each construction project will minimize and protect water bodies from turbid water discharge and runoff. Construction work will comply with near-water work windows to avoid disturbing sensitive and protected fish and wildlife. Construction machinery and vehicle emissions shall be kept to a minimum by turning off equipment instead of idling during periods when equipment is not in use. Appropriate dust control measures (sweeping, watering) will be implemented as part of each project's TESC plan to keep construction generated dust to a minimum. Green technologies and equipment should be utilized within construction of the proposed projects when plausible. All necessary safety equipment for chemical handling will be provided.

   Current local, state, and federal development regulations will adequately address discharge to water, emissions to air, toxic or hazardous substances and production of noise.

   These measures are anticipated for project-level impacts. No measures proposed for non-project action.

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

   Once completed, the water main projects will be fully buried within road right-of-way. During construction, discharge of turbid water to streams may occur, which could disrupt salmonoid life history stages. Staging of excavation and fill materials and equipment on land would affect any plants in the immediate area. The facility projects could have some localized effects on plants, animals and fish. These projects could require clearing of existing vegetation, which could in turn affect wildlife that utilizes that vegetation for food or shelter. Clearing and grading for facilities may result in discharge of turbid water to streams, which could disrupt migration or rearing of salmonoids.

   Proposed measures to protect or conserve plants, animals, fish, or marine life are:

   TESC plans for each construction project will create means to protect water bodies from turbid water discharge and runoff. Working during the summer month work-window presents less of a risk for turbid discharge since rain events are less frequent and severe. Staging materials and equipment should be located on impervious surfaces or in previously cleared or impacted areas if possible. There should be no further clearing of vegetation beyond what is needed for the construction of the projects.

   Project-level impacts will be evaluated in separate SEPA process. Plan adoption is not anticipated to affect plants, animals, fish, or marine life.

3. How would the proposal be likely to deplete energy or natural resources?

   Petroleum resources will be used for the construction of the proposed projects (fuel for construction machinery and vehicles) and subsequent construction of residential and commercial structures. Housing and other structures will require heating (natural gas and wood/pellet burning stoves) and electricity.

   Proposed measures to protect or conserve energy and natural resources are:

   Use of high efficiency pumps and motors and water main of sufficient diameter to minimize pumping losses (and associated power usage).

   Project-level impacts will be evaluated in separate SEPA process. Plan adoption is not anticipated to deplete energy or natural resources.

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

   The proposal should have no direct effect on parks, wilderness, wild and scenic rivers, floodplains or prime farmlands. The project could directly affect sensitive areas such as federally-listed threatened species habitat, cultural sites and wetlands. As discussed previously, construction of these projects could potentially discharge turbid water to water bodies (including riparian wetland areas). The proposal could have indirect effects (via expanded clearing, grading and building in the service areas) on federally-listed threatened species habitat, cultural sites, wetlands and floodplains. Discharge of turbid water to adjacent water bodies could affect rearing and migrating bull trout and salmonids, critical habitat and riparian wetlands associated with these water bodies. Excavation of structure foundations could uncover cultural sites. Impervious surfaces (buildings, parking lots, roads) result in increased stormwater runoff, which could contribute to flooding issues.

Proposed measures to protect such resources or to avoid or reduce impacts are:

TESC plans for each construction project will create means to protect water bodies from turbid water discharge and runoff. Working during the summer month work-window presents less of a risk for turbid discharge since rain events are less frequent and severe. Construction work will comply with near-water and migratory bird work windows to avoid disturbing federally-listed salmonoids and wildlife. Staging materials and equipment should be located on impervious surfaces or in previously cleared or impacted areas if possible. There should be no further clearing of vegetation beyond what is needed for the construction of the projects. If cultural artifacts or historic resources are uncovered during construction, project work should be suspended immediately. Appropriate authorities at the County and State levels should be notified and appropriate measures taken to protect these resources.

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

The proposed projects in the WSP would allow for an expansion of residential and commercial uses within the City's UGA. The UGA was defined specifically to accommodate population growth in the City.

Proposed measures to avoid or reduce shoreline and land use impacts are:

Minimize clearing and grading of vegetation to that directly needed to accomplish the proposed project. Ensure projects are consistent with City Planning objectives and ordinances.

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

The direct transportation effects of the proposed projects associated with the WSP could be temporary loss of sidewalks, on-street parking, lane closures or detours near water main installation within road right-of-way. Bus stops may also be temporarily affected by work in the right-of-way. Water service and other utility services should not be affected during construction. Indirect effects of the proposed projects on transportation would be increased road usage and the need to build new roads for new developments and potentially expand and make more frequent repairs to existing roads. Higher population may result in increased ridership of community transit and expanded service route frequency and stops. The expansion and improvement of the water system will result in the ability to supply more water to support new residential and commercial developments.

Proposed measures to reduce or respond to such demand(s) are:

Construction would take place in a timely manner to minimize obstructions and alterations of local traffic flow. City-approved traffic control will be provided during construction if needed.

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

The proposed projects may conflict with environmental protection laws; however, all projects proposed will be required to obtain applicable local, state and federal permits, which are intended to encourage avoidance, minimization and mitigation for adverse environmental impacts. A preliminary list of potential permits needed for proposed water main and facility projects are listed below.

City of Snohomish - Building, Right-of-Way and Site Development Permits, Floodplain Development Permit, Critical Areas Compliance, Shoreline Conditional Use or Variance Permit (for structures within 200 feet landward of a water body). State-State Department of Ecology General Order of Approval for Diesel or Gas Emergency Electrical Generators (for back-up generators during power outages). Section 401 Water Quality Certification through State Department of Ecology (needed if Section 404 required). Federal - Federal permits for work within wetlands or waters of the State (i.e. Section 404 or Section 10 approval through the Army Corps of Engineers), including associated Endangered Species Act, Coastal Zone Management and National Historic Preservation Act compliance.

ADMINISTRATION COMMENTS ONLY

Project-level impacts will be evaluated in separate SEPA process. No mitigation measures are proposed for Plan adoption as no significant adverse impact is anticipated.

Plan adoption will not cause significant shoreline or land use impacts.

Project-level impacts will be evaluated in separate SEPA process. Plan adoption will not increase demands on transportation or public services and utilities.

Adoption of the WSP does not conflict with any local, state, or federal laws that protect the environment.