



ENVIRONMENTAL REVIEW (SEPA) APPLICATION CHECKLIST

Community Development Department ♦ 80 Columbia Avenue ♦ Marysville, WA 98270
(360) 363-8100 ♦ (360) 651-5099 FAX ♦ Office Hours: Monday - Friday 7:30 AM - 4:00 PM

Washington State Environmental Policy Act, RCW 43.21C

Washington State Administrative Code, WAC 197-11-960 Environmental Checklist

Purpose of checklist:

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

Instructions for applicants: [\[help\]](#)

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.

Instructions for Lead Agencies:

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

Use of checklist for nonproject proposals: [\[help\]](#)

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.

NOTE: 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. You may

be asked to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Required Attachments

Submit the original checklist form and six (6) copies (for a total of seven (7)) along with seven (7) copies of each of the following:

1. Vicinity map clearly showing the location of the project with respect to public streets and other parcels and development
2. Site plan (at original drawing size)
3. Site plan (reduced to not larger than 11 x 17-inch size)
4. Conceptual building elevations
5. Conceptual vehicle maneuvering diagram (when applicable)

Submit four (4) copies of the following when appropriate:

1. Wetland Delineation
2. Geotechnical Reports
3. Fisheries Study

The site plan must show north arrow and engineering scale; any significant or natural features such as creeks, wetlands, steep slopes; dimensions and shape of the lot; location and size of existing and proposed buildings and development, including parking and landscape areas, adjacent streets and point of ingress and egress, and adjacent uses.

Correspondence

Note that all correspondence regarding the environmental review of your project will be sent to the person listed as **Applicant**.

Application Format

The application will only be accepted if the original form is used (with typewritten answers in the spaces provided) or the application is reproduced in identical form.

Fees

There is a nonrefundable application fee for all environmental checklists. Submit the fee with the application(s) and make checks payable to the City of Marysville.

Residential (1-9 lots or dwelling units)	\$350.00
Residential (10-20 lots or dwelling units)	\$500.00
Residential (21-100 lots or dwelling units)	\$1,000.00
Residential (greater than 100 lots or dwelling units).....	\$1,500.00
Commercial/Industrial (0 to 2 acres)	\$350.00
Commercial/Industrial (2.1 to 20 acres)	\$750.00
Commercial/Industrial (greater than 20 acres)	\$1,500.00

Pre-application Conference

Most projects that are not categorically exempt from SEPA will require a pre-application conference; in some cases, at the discretion of the Community Development Director, the pre-application conference may be waived.

The pre-application conference must be conducted prior to the submittal of the environmental

checklist.

SEPA Exempt Determinations

Projects that meet the thresholds for categorical exemptions of Chapter 22E.030 MMC are exempt from filing an environmental checklist. All other project and non-project actions require a completed environmental checklist and a project permit application to be submitted. If an applicant feels that their proposal should be considered to be SEPA-exempt, the applicant can submit a letter requesting a SEPA exempt determination with the environmental checklist and fee. The Community Development Director will review the request and if the application is determined to be SEPA exempt, a letter will be issued confirming the SEPA exempt status.

Project Phasing

The Checklist questions apply to all parts of your proposal, even if you plan to phase the project over a period of time or on different parcels of land. You must include any additional information that helps describe your proposal or its environmental effects. You may be asked to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact(s).

SEPA Appeals

Any agency or person may appeal a Determination of Non Significance (DNS) or Determination of Significance (DS) by completing and submitting an appeal form to the Hearing Examiner within fourteen (14) calendar days of the date the determination is final. Such appeals must be filed with the City Clerk. Appeals of environmental determinations under SEPA, including administrative appeals of a threshold determination, shall be heard by the Hearing Examiner and shall proceed pursuant to Chapter 22G.010 Article VIII *Appeals*. There is a nonrefundable \$500 Administrative Appeal fee to be submitted with appeal.

City of Marysville
2016 Water Comprehensive Plan
Draft Environmental Checklist

A. BACKGROUND [\[help\]](#)

1. Name of proposed project, if applicable: [\[help\]](#)

City of Marysville 2016 Water Comprehensive Plan

2. Name of applicant: [\[help\]](#)

City of Marysville

3. Address and phone number of applicant and contact person: [\[help\]](#)

Attn: Ryan Morrison, PE
80 Columbia Ave
Marysville, WA 98270
(360) 363-8100

4. Date checklist prepared: [\[help\]](#)

July 28, 2016

5. Agency requesting checklist: [\[help\]](#)

City of Marysville Public Utilities Department

6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)

The City of Marysville 2016 Water Comprehensive Plan, also known as the Water System Plan (WSP), includes planning considerations, existing system conditions, operation and maintenance standards and recommended improvements to the City's water system for the purpose of meeting future water demands in the City's Retail Water Service Area. The plan discusses both administrative improvements as well as physical system improvements to meet these needs.

The Capital Improvement Plan (CIP) presented in the WSP consists mainly of physical improvements to the system that are intended to improve the City's ability to provide sufficient quantity and quality of water. The projects described in the CIP are grouped according to water main improvements, pressure zone improvements, facility improvement, and miscellaneous improvements. The projects are defined for each year with the projected estimated costs associated with each project. However, the CIP projects listed in the WSP should not be viewed as a commitment by the City to implement each project as planned and shown in the WSP. Actual project implementation will be based upon environmental review, permits and approvals, available funding and scheduling needs.

This WSP is a non-project action. A separate Washington State Environmental Policy Act (SEPA) review will be completed prior to actual implementation and construction of each individual project as identified on the CIP list. Certain categorical exemptions from the SEPA review process may apply to specific projects, in accordance with WAC 97-11-800.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)

An update to the WSP is currently required by the DOH every six years, however it is anticipated that future requirements for WSP submittal will be modified from 6 years to 10 year once the proposed revisions to the WAC are approved in 2016. Any projects in the current WSP that fall beyond the 6 year (or ten year) planning horizon will be updated at the time of the next update. As noted above, a SEPA review will be conducted, as needed, for each project in the CIP scheduled to occur in the next 6 (or ten) years.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#)

Specific environmental information has not been prepared for the update of the WSP. General programmatic level environmental impact information for this proposal is included in Section D.

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. [\[help\]](#)

Development within the City's Water Retail Service Area will continue throughout the life of the WSP. This is consistent with the Snohomish County and City's planning policies, the Urban Growth Boundary and other environmental regulations.

10. List any government approvals or permits that will be needed for your proposal, if known. [\[help\]](#)

The WSP, and all of its updates, must be approved by the Washington State Department of Health. No project specific approvals or permits are required as part of the WSP update.

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

The WSP is a Non-Project Action. Specific physical improvements/project listed in the WSP will have separate SEPA reviews, as necessary.

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. [\[help\]](#)

Marysville's Water Retail Service Area covers approximately 25 square miles. This area is bounded by Interstate 5 to the west and State Route 9 to the East. The Southern and Northern limits are approximately bounded by Steamboat Slough and 180th Street NE near the Arlington airport, respectively. Three small developed areas located along 172nd Street NE and Lakewood Road are located outside the current service area boundary but are served by Marysville. Refer to Figure 2-1 of the WSP for a map of Marysville's Water Service Area.

B. ENVIRONMENTAL ELEMENTS [[HELP](#)]

1. Earth

- a. General description of the site [[help](#)]
(***bold/italicize***): Flat, rolling, hilly, steep slopes, mountainous, other _____

Does not apply

- b. What is the steepest slope on the site (approximate percent slope)? [[help](#)]

Does not apply

- 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. [[help](#)]

Does not apply

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [[help](#)]

Does not apply

- 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. [[help](#)]

Does not apply

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [[help](#)]

Does not apply

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

Does not apply

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [[help](#)]

Does not apply

2. Air

- 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. [\[help\]](#)

Does not apply

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#)

Does not apply

- c. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#)

Does not apply

3. Water

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

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

Does not apply

- 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. [\[help\]](#)

Does not apply

- 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. [\[help\]](#)

Does not apply

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [\[help\]](#)

Does not apply

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [\[help\]](#)

Does not apply

- 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. [\[help\]](#)

Does not apply

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. [\[help\]](#)

The City will not be applying for additional water rights in conjunction with this WSP update. There are no City water utility operations that involve discharge to ground waters.

- 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. [\[help\]](#)

Does not apply

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. [\[help\]](#)

Does not apply

- 2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)

Does not apply

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

Does not apply

- d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

Does not apply

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

- a. ***Bold/Italicize*** the types of vegetation found on the site: [\[help\]](#)

Does not apply

deciduous tree: alder, maple, aspen, other

evergreen tree: fir, cedar, pine, other

shrubs

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? [\[help\]](#)

None

- c. List threatened and endangered species known to be on or near the site. [\[help\]](#)

Does not apply

- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: [\[help\]](#)

Does not apply

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

Does not apply

5. Animals

- a. ***Bold/Italicize*** 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: [\[help\]](#)

Does not apply

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. [\[help\]](#)

Does not apply

- c. Is the site part of a migration route? If so, explain. [\[help\]](#)

Does not apply

- d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)

Does not apply

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

Does not apply

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. [\[help\]](#)

Does not apply

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. [\[help\]](#)

Does not apply

- 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: [\[help\]](#)

Does not apply

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. [\[help\]](#)

None

- 1) Describe any known or possible contamination at the site from present or past uses.
- 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.
- 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.
- 4) Describe special emergency services that might be required.
- 5) Proposed measures to reduce or control environmental health hazards, if any:

- b. Noise

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

Does not apply

- 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. [\[help\]](#)

Does not apply

- 3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)

Does not apply

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. [\[help\]](#)

Does not apply

- 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? [\[help\]](#)

Does not apply

- 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversized equipment access, the application of pesticides, tilling, and harvesting? If so, how:

Does not apply

- c. Describe any structures on the site. [\[help\]](#)

Does not apply

- d. Will any structures be demolished? If so, what? [\[help\]](#)

Does not apply

- e. What is the current zoning classification of the site? [\[help\]](#)

Does not apply

- f. What is the current comprehensive plan designation of the site? [\[help\]](#)

Does not apply

- g. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)

Does not apply

- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [\[help\]](#)

Does not apply

- i. Approximately how many people would reside or work in the completed project? [\[help\]](#)

Does not apply

- j. Approximately how many people would the completed project displace? [\[help\]](#)

Does not apply

- k. Proposed measures to avoid or reduce displacement impacts, if any: [\[help\]](#)

Does not apply

- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [\[help\]](#)

Does not apply

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

Does not apply

9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [\[help\]](#)

Does not apply

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [\[help\]](#)

Does not apply

- c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#)

Does not apply

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? [\[help\]](#)

Does not apply

- b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)

Does not apply

- c. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)

Does not apply

11. Light and glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [\[help\]](#)

Does not apply

- b. Could light or glare from the finished project be a safety hazard or interfere with views? [\[help\]](#)

Does not apply

- c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#)

Does not apply

- d. Proposed measures to reduce or control light and glare impacts, if any:

Does not apply

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)

Does not apply

- b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)

Does not apply

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)

Does not apply

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. [\[help\]](#)

Does not apply

- 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. [\[help\]](#)

Does not apply

- 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. [\[help\]](#)

Does not apply

- 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.

Does not apply

14. Transportation

- 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. [\[help\]](#)

Does not apply

- 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? [\[help\]](#)

Does not apply

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)

Does not apply

- 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). [\[help\]](#)

DOES NOT APPLY

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

Does not apply

- 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? [\[help\]](#)

Does not apply

- 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.

Does not apply

- h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)

Does not apply

15. Public services

- 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. [\[help\]](#)

Does not apply

- b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)

Does not apply

16. Utilities

- a. ***Bold/Italicize*** utilities currently available at the site: [\[help\]](#)

Does not apply

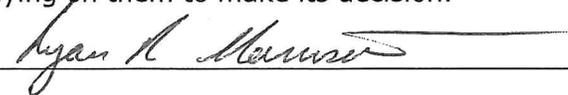
Electricity
natural gas
water
refuse service
telephone
sanitary sewer
septic system
other _____

- 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. [\[help\]](#)

Does not apply

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

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

Signature: 

Print name of signee: RYAN MORRISON, P.E.

Position and Agency/Organization: PROJECT ENGINEER

Date Submitted: 11/1/16

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS [[HELP](#)]

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

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.

The proposed action is the adoption of the Water System Plan (WSP) 2016 update. The WSP refers to the development and utilization of transmission water supply projects that either are or may become part of Marysville's future water system. Environmental impacts would be associated with construction activities as they relate to the construction, maintenance and operations of the future project activities. These impacts will be evaluated during the environmental review of each specific project.

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?

The construction of some of the proposed components of Marysville's water system may involve the creation and discharge or construction stormwater. Effects on surface waters may include increased runoff volumes and increased peak flows. The construction of some facilities may also result in the creation of impervious surfaces and their associated runoff.

Impacts to air quality due to construction of facilities could result in temporary increases in particulate emissions depending on the type of activity, weather and equipment used in construction. Increased carbon monoxide and oxides of nitrogen in the exhaust of construction equipment and power generation may occur during construction. Diesel, gasoline, propane and natural gas emergency electrical power generation equipment located at some facilities would produce emissions to the air during operation and maintenance activities.

The production and release of toxic or hazardous substances is not anticipated although there will likely be some storage and use of chemicals associated with the operation of water treatment facilities.

Proposed measures to avoid or reduce such increases are:

Minimization of impacts to surface waters would be achieved through implementation of applicable Best Management Practices (BMPs) and compliance with the regulatory requirements and permits (e.g. NPDES Construction Stormwater Permit).

Minimization of impacts to air quality during construction would be achieved by keeping exposed soil damp by spraying with water, covering truck loads, covering dirt and debris piles, properly maintaining equipment and scheduling construction work such as to minimize truck traffic and equipment operations.

All necessary chemical storage would be designed to meet required safety and environmental regulatory requirements including secondary containment, leak detection, alarms, prevention plans and equipment to clean up and contain any spills.

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

Transmission and water supply system components would not affect marine life. Plants, animals and fish could be affected by water facilities, depending on location and function. For buried structures, such as pipelines, the impacts would be temporary and limited to the construction period. For pump stations and treatment facilities the effects would be above ground and extend beyond the construction period.

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

The site layout and design of such facilities would emphasize avoidance of impacts to plants, animals and fish. Where complete avoidance may not be possible the minimization of these impacts would be stressed. Impacts would be mitigated and enhancement measures implemented, as appropriate.

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

Water system components could consume, but not deplete, energy and natural resources.

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

System components would be sited, designed, constructed, maintained and operated to be as efficient as possible.

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?

None of the proposed water system components are or would be located on prime farmlands, wild and scenic rivers or wilderness areas. It is possible that some components could be located on or near environmentally sensitive areas. Pipelines could be routed through wetlands or floodplains. Parks, endangered species habitat and historical or cultural sites would be avoided wherever possible.

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

System components would be sited with the intent to avoid any environmentally sensitive areas. If use of any of these areas were necessary the impact of construction activities would be minimized. Possible minimizations include avoiding construction of above ground facilities in flood plains, using trenchless technologies for crossing fish bearing water courses and observing fish windows for work below the ordinary high water mark.

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?

Water system components would not affect land and shoreline use nor allow or encourage land or shoreline use that is incompatible with existing plans.

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

System components would comply with existing land use and shoreline management plans. Construction of facilities in shoreline areas would be avoid whenever possible.

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

The construction, maintenance and operation of water system components identified in the WSP would, to a varying degree, increase the demands on transportation, public services and utilities. The increase should be insignificant with the possible exception of the need for electrical power associated with the operation of pumps and water treatment equipment.

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

Modern "state of the art" equipment would maximize efficiency and minimize power consumption for components with higher demands. In addition, for pipelines, alignments would be chosen to maximize the use of gravity flow and minimize the need for pumps to move water through the system.

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

Water system projects identified in the WSP do not and will not conflict with local, state or federal laws or requirements for the protection of the environment.