SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

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

Instructions for applicants:

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

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

Instructions for Lead Agencies:

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

Use of checklist for nonproject proposals:

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

A. Background

1. Name of proposed project, if applicable:

   Black Diamond Water System Plan Update

2. Name of applicant:

City of Black Diamond (City) Public Works

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

Applicant: Mr. Seth Boettcher, PE, Public Works Director
Black Diamond Public Works
P.O. Box 599
Black Diamond, WA 98010

Contact: Geoff Dillard, PE
RH2 Engineering, Inc.
1201 Pacific Avenue, Suite 1750
Tacoma, WA 98402
253-272-3059

4. Date checklist prepared:

June 5, 2020

5. Agency requesting checklist:

City of Black Diamond
Public Works

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

The *Water System Plan* is to be approved by City Council and DOH in 2020. Projects in the *Water System Plan* are prioritized for consideration by City officials. Separate projects will be constructed as their design and funding become available. The *Water System Plan* addresses the policies, design criteria, and recommendations needed to construct, maintain and manage the City's water system for proposed land use development as dictated by the City's and King County's current comprehensive land use plan. System improvements are identified for a 20-year planning period. The plan identifies improvements necessary to maintain the City's system, repair and replace deficiencies, and facilitate proposed developments for the described 20-year planning period.

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 City plans to supplement or update the *Water System Plan* and all its associated plans on a regular basis. The *Water System Plan* also includes a Source Water Protection Plan, Cross Connection Control Plan, and Coliform Monitoring Plan which are also updated periodically.

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

Projects listed in the capital improvement program are subject to SEPA regulations. While some projects may be categorically exempt, some will require a Determination of Non-significance (DNS) and some will require either a Mitigated Determination of Non-significance (MDNS) or possibly an Environmental Impact Statement (EIS).

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.

There are a number of pending applications affecting the City. For example, the City is in the process of permitting the Black Diamond Springs Rehabilitation.

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

Approval by King County and the Washington State Departments of Health (DOH) and Ecology will be required. The City of Black Diamond will formally adopt the *Water System Plan* following agency approval.

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.)

This proposal is a *Water System Plan* to serve the City of Black Diamond water service area which encompasses much of the City limits and some portions of unincorporated King County. The Plan address policies, design criteria, assumptions and recommendations for the water system and its service area. The plan looks at the current service level and where improvements to that level are needed. Elements of these service levels are public health, groundwater and environmental protection,

facility reliability, operation and maintenance, and financing issues. Taking all of these factors into consideration, the plan proposes a long-range plan for facility improvements including repair, replacement, upgrading and construction of transmission, distribution, supply and storage facilities; and construction of facilities required to bring service to the areas that are and will be designated as expansion or growth areas. The *Water System Plan* is programmatic and only lists general recommendation or additions that do not have specific sites or scopes of work, this checklist does not address any specific projects or site-specific conditions. These projects and their associated impacts will be reviewed as engineering studies and scopes of work are developed and discussed in the SEPA reviews of the individual projects.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The area covered by this *Water System Plan* is the City of Black Diamond's water service area. Service boundaries have been established by agreement and policy, specifically, the agreement between South King County Regional Water Association and the City of Black Diamond. Any future boundary changes will be addressed in subsequent updates or amendments to this plan.

B. Environmental Elements

1. *Earth*

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

The water service area varies in terrain.

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

The slope of the water service area varies.

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 primary soil type found within the City's water service area is gravelly sandy loam. Additional soil types include silt loam, peat and muck.

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

Portions of the City's transmission main alignment borders a potential landslide area. Soils in the vicinity of the specific construction projects will be evaluated during the design of each project. It should be noted that Black Diamond was founded as a mining community and therefore, mining shafts, etc. are common throughout the water service area.

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.

Requirements for filling and grading will be evaluated during the design of specific construction.

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

There are moderately erodible soils in portions of proposed construction and may erode during heavy rain events. Proper construction practices should minimize erosion.

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

The amount impervious surface installed will be evaluated for each specific project.

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

When projects are constructed as described in this *Water System Plan*, proper temporary erosion and sediment control (TESC) measures will be employed, in accordance with the City and County standards to prevent impacts to the earth during construction.

All steep slopes in native material will be protected from erosion during precipitation events by diverting runoff away from recently worked soil areas and/or dispersing runoff to sheet flow using straw wattles or other similar techniques that prevent rain splash erosion and rilling. Worked areas will be reseeded and/or restored to match existing conditions or better.

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.

Typical emissions during construction will include exhaust from construction equipment and vehicles. The impacts will be addressed by each specific construction project.

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:

Construction equipment and vehicles shall conform with Washington State standards for air quality, including using properly functioning equipment and vehicles that have passed emissions testing, using clean-burning fuels when possible, limiting diesel exhaust, limiting vehicle idling, etc.

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.

There are several water bodies throughout the City, the Green River, Jones Lake, Black Diamond Lake, Lake Ginder, Lake 12, Lake Sawyer, in addition to numerous creeks. These lakes and creeks are found throughout the water service area as described in the *Water System Plan*, with the exception of Lake Sawyer which is outside of the water service area.

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.

Any projects pursuant of this *Water System Plan* that will require work over, in, or adjacent to the described waters will be address in the projects individual SEPA review of the individual project.

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.

Any projects that require material be placed in or removed from surface water will be addressed in the permit review of the individual project.

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

Any surface water withdrawals or diversions will be described in the SEPA review of that specific project.

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

Portions of the City are within the 100-year floodplain. Impacts will be evaluated in association with specific project proposals included in the *Water System Plan*.

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.

None are anticipated at this time.

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.

The Black Diamond Springfield currently serves as the City's primary source of drinking water. Groundwater will continue to be withdrawn from the Springfield in order to meet the demands of the City. Additionally, the City has an intertie at the City of Tacoma's Second Supply Pipeline to supplement water from the Springfield. The wholesale water from Tacoma will become the City's major source in the future.

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.

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.

Stormwater runoff collection and disposal will be considered by each individual project.

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

No, proper construction and maintenance will prevent any waste from entering ground or surface waters.

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

Any alteration or impacts to drainage patterns within the service area will be addressed by the specific project.

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

Any measures to reduce or control surface, ground and runoff water will be addressed in each individual project design.

4. Plants

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

_x_deciduous tree: alder, maple, aspen, other

_x_evergreen tree: fir, cedar, pine, other
_x_shrubs
_x_grass
____pasture

____crop or grain

____Orchards, vineyards or other permanent crops.
____ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
____water plants: water lily, eelgrass, milfoil, other
_x__other types of vegetation

b. What kind and amount of vegetation will be removed or altered?

Any vegetation to be removed to facilitate construction access will be addressed in the specific projects permit review.

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

None known, any threatened or endangered species encountered will be addressed in the project specific permit process.

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

Any proposed landscaping or other measures to preserve or enhance vegetation will be addressed in the project specific permit process.

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

Not known.

5. Animals

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

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

The City's water service area is large and most of the birds and animals listed above can be found within the area.

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

There are various fish species identified to be present in waters located within the City. Threatened/endangered fish species within City waters include Steelhead and Bull Trout. Any threatened or endangered species encountered will be addressed in the project specific permitting process.

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

Not known, but typical Pacific Northwest migration routes may cross the water system area.

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

Any measures to preserve or enhance wildlife will be addressed during the permitting process of the project.

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

None known, but some invasive species may exist within the water service area.

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.

Some facilities such as the booster pump station will require electrical energy in order to operate the pumps and controls. The consumed energy will provide domestic water to customers in the City of Black Diamond's water service area.

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:

Energy conservation will be addressed in the applicable portions of each project described in the *Water System Plan*.

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.

Adequate safety precautions will be taken when buried utilities are encountered, no health hazards are expected as a result of this project.

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.

Any hazardous chemicals/conditions that may affect project development and design will be addressed during the permitting process of that project.

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

None known. Any toxic or hazardous chemicals that may affect project development and design will be addressed during the permitting process of that project.

4) Describe special emergency services that might be required.

No special emergency circumstances are anticipated.

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

Any measures necessary to reduce or control environmental health hazards will be addressed during the permitting process.

b. Noise

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

None. Excessive noise conditions that may affect project development and design will be addressed during the permitting process of that project.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

There will not be any noise associated with the adoption of the *Water System Plan*. The projects proposed within the plan will create short term noise impacts associated with their construction. Noise from pump operation is expected but will be within the allowable noise standards.

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

The construction activities associated with the described improvements will be in accordance with all applicable codes.

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 land use varies throughout the City's water service area.

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 City's water service area may have been used for agricultural or other purposes over the years. The *Water System Plan* does not propose any conversion of these lands.

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:

None known.

c. Describe any structures on the site.

The City's service area is very large and contains many structures of varying purpose.

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

Any projects that require demolition of a structure will be addressed in the permitting process.

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

The *Water System Plan* covers the water service area within the city limits and unincorporated portions of King County. This large service area contains many zoning classifications.

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

The *Water System Plan* covers the water service area within the city limits and unincorporated portions of King County. This large service area contains many comprehensive plan designations.

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

The service area includes much of the city limits and portions of unincorporated King County. The Green River and Lake Sawyer are both subject to Shorelines Management jurisdiction.

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

The County and City critical areas are discussed in the *Water System Plan*. Additional project specific areas will be addressed during the permitting process of that project.

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

The *Water System Plan* anticipates an increase in Equivalent Residential Units (ERU's) from 1,822 in 2019 to 7,962 in 2039. These estimates include master planned developments (MPDs).

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

It is not anticipated that the adoption of the *Water System Plan* will result in any displacements.

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

It is not anticipated that there will be displacement impacts, however displacement impact mitigation will be considered during the review of individual projects.

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

The *Water System Plan* has been prepared in accordance with current and future land use designations.

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.

No housing units would be provided upon adoption of the *Water System Plan*.

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

No housing units are anticipated to be eliminated as part of adoption of the *Water System Plan*. Further examination will be done for specific projects to review the necessity for eliminating any housing.

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

The adoption of this plan does not have direct impacts to local or regional housing.

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 proposed structures as part of this project.

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

No views would be altered or obstructed as a result of adoption of the *Water System Plan*.

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

None.

11. Light and Glare

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

No light or glare will be produced as a result of adoption of the *Water System Plan*.

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 expected.

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

None.

12. Recreation

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

The recreational opportunities of projects described in the *Water System Plan* will be addressed in the individual permit efforts of those projects.

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:

Any impacts on recreation by a specific project will be addressed by that specific project.

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? If so, specifically describe.

Some sites for future projects may be near buildings, structures or sites listed in national, state or local preservation registers. This will be considered during the permitting of each individual project.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

The City of Black Diamond was established as a mining community and there are mining shafts located throughout the water service area. Proper documentation must be done for each project described in the *Water System Plan* to identify landmarks, features, or other evidence of Indian or historic use.

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.

Historic and cultural review for construction projects will be completed when appropriate or required.

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.

Any measures necessary to reduce or control impacts will be mitigated at the time individual projects are reviewed during the permitting process. If any evidence of historical, archeological, scientific, or cultural importance is discovered, there will be cessation of construction activity until a proper survey can be completed.

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.

The transportation system within the service area consists of major transportation corridors, arterial, City streets, and local access roads. The major transportation corridors include State Route 169. The City's water system is planned and constructed in most part to utilize public street rights-of-way.

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, transit service is available within the water service area.

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

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).

The impacts due to construction may make it necessary to make temporary or permanent improvements to accommodate access or restore an existing roadway. The extent of these improvements will be described in further detail during the permitting process of the specific project.

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

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?

There will be a temporary increase in vehicular trips during the construction of the projects identified in this plan.

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:

The projects identified within this document have impacts to transportation, the impacts will be identified and discussed in the SEPA review for each individual project.

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.

No.

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

If any of the project identified within this document have impacts to public services, the impacts will be discussed in the SEPA review for each individual project.

16. Utilities

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

All of these utilities are present throughout the service area.

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 *Water System Plan* describes water supply, storage, transmission and distribution facilities needed to serve the City's water service area. Electricity, other energy requirements, and other utility services may be provided by other utilities. Construction activities will depend on the facility and site.

C. Signature

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

Signature: Seth Boettcher

Name of signee Seth Boettcher, P.E.

Position and Agency/Organization Public Works Director, City of Black Diamond

Date Submitted: July 9,2020

D. Supplemental sheet for nonproject actions

(**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.

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 proposal is a long-term plan to provide improved water service to the City. Therefore, it would not directly result in any discharge to water or in the production, storage, or release of toxic or hazard substances or noise.

Proposed measures to avoid or reduce such increases are:

None.

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

The *Water System Plan* would not directly affect plants, animals, fish, or marine life. Specific projects included in the plan may affect plants, animals, fish or marine life. This will be studied and addressed in the design of these specific projects. Any impacts are expected to be minimal.

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

Does not apply.

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

Operation of the water system requires groundwater withdrawals and the use of electricity.

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

The intent of the proposal is to provide better management practices of energy and natural resources use by rationally projecting the City's needs and planning to meet those needs.

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 City's Comprehensive Plan was reviewed to ensure the *Water System Plan* is compatible with environmentally sensitive areas.

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

See above.

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 plans identified in the responses to Question No. 4 were also reviewed for compatibility with land and shoreline existing and proposed use.

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

Does not apply.

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

The *Water System Plan* would accommodate the increased demand on water service that the City has been expecting and is expected to continue experiencing.

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

See above.

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

This *Water System Plan* is in accordance with all local, state, or federal law requirements for the protection of the environment.