

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:
Deep Green Incentive Program
2. Name of applicant:
City of Shoreline
3. Address and phone number of applicant and contact person:

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site:

(Circle one): Flat, rolling, hilly, steep slopes, mountainous, other treed, urban, paved, developed

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

The City contains areas of slopes over 40 percent in some areas, especially on the western most and eastern most portions of the City.

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.

Recent geologic mapping of King County (Booth and Wisler, 2006) identifies the City as being underlain primarily by glacially derived or glacially overridden soils.

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

Landslide hazard areas within the City of Shoreline occur predominantly along the western perimeter of the city, where the highlands descend to Puget Sound, or within steeply incised natural drainages, such as Boeing and McAleer Creeks.

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.

This proposal is not site specific.

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

To address erosion and sedimentation impacts, grading and stormwater codes of agencies and municipalities require preparation of a SWPPP before grading permits are issued. Such plans are prepared based upon the requirements of the adopted Surface Water Design Manual. If the area of ground disturbance exceeds one acre, then a National Pollutant Discharge Elimination System (NPDES) permit is also required. Projects seeking NPDES permit coverage typically conform to the conditions of the Department of Ecology's (Ecology) Construction Stormwater General Permit (CSWGP), which includes implementation of an SWPPP and protocols for monitoring site discharges for compliance with water quality standards.

Minimum requirements and best management practices (BMPs) for SWPPP s are established by the Washington State Department of Ecology in the *Stormwater Management Manual for Western Washington* (Stormwater Manual; Ecology, 2012); municipalities typically adopt these minimum requirements and BMP design standards, or their equivalents, as part of their stormwater management requirements for site development. The City of Shoreline has adopted the Stormwater Manual and the *Low Impact Technical Guidance Manual for Puget Sound* (LID Manual; Washington State University and Puget Sound Partnership, 2012). The City also encourages the use of emerging technologies that are part of the Washington Department of Ecology's Technology Assessment Protocol (TAPE). These BMPs, together with the erosion and sedimentation control BMPs of the Stormwater Manual, constitute the BAS for prevention of erosion and the treatment of sediment-laden runoff.

Does not apply.

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

Does not apply.

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

Does not apply. Floodplain regulations are addressed in SMC 13.12.

- 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.

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.

Does not apply.

- 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.

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.

Does not apply.

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

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:

None proposed.

4. Plants

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

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.

This is a nonproject action. Does not apply.

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

This is a nonproject action. 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:

This is a nonproject action. Does not apply. It is worth noting that since this an expansion of a green building incentive program, the more projects that utilize it, the greater the energy conservation, which means reduced greenhouse gas emissions.

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.

This is a nonproject action. However, several green building protocols that would be rewarded under this incentive program prohibit the use of toxic chemicals and other "red-list" materials.

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

This is a nonproject action. Does not apply.

- 1) 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.

This is a nonproject action. Does not apply.

- 2) 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.

This is a nonproject action. Does not apply.

- 3) Describe special emergency services that might be required.

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

b. Noise

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. 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:

This is a nonproject action. Does not apply.

9. Housing

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. 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?

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. 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?

This is a nonproject action. Does not apply.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

This is a nonproject action. Does not apply.

This is a nonproject action. 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?

This is a nonproject action. 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).

This is a nonproject action. 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.

This is a nonproject action. 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?

This is a nonproject action. 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.

This is a nonproject action. Does not apply.

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

This is a nonproject action. 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.

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

16. Utilities

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

This is a nonproject action. Does not apply.

- c. 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.

This is a nonproject action. Does not apply.

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?

There are no proposed amendments to the Critical Area Ordinance or amendments that will affect parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands.

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

The current Development Code will continue to protect resources and reduce critical area impacts.

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 City updated the Shoreline Management Program in 2012 and does not anticipate any changes based on this proposal.

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

There are no new proposed code amendments to avoid or reduce shoreline and land use impacts.

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

The proposal will not increase demands on transportation or public services and utilities.

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

There are no proposed code amendments to reduce or respond to such demands. However, green building certification protocols often award points for including measures that reduce automobile dependence.

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

The proposal will not conflict with local, state, or federal laws.