

6a. Staff Report - Potential Expansion of Deep Green Incentive Program

Planning Commission Meeting Date: December 6, 2018

Agenda Item: 6a

PLANNING COMMISSION AGENDA ITEM CITY OF SHORELINE, WASHINGTON

AGENDA TITLE: Potential Expansion of Deep Green Incentive Program

DEPARTMENT: Planning & Community Development

PRESENTED BY: Miranda Redinger, AICP, Senior Planner

Public Hearing

Study Session

Recommendation Only

Discussion

Update

Other

Public Hearing for Procedural Correction

A public hearing was originally conducted by the Planning Commission for the potential expansion of the Deep Green Incentive Program (DGIP) on October 18, 2018. At the conclusion of the hearing, the Planning Commission deliberated and provided its recommendation to the City Council. The Commission recommended that Council adopt revisions to SMC 20.50, as shown in legislative format as Attachment A.

After that meeting, it was discovered that the SEPA Determination of Nonsignificance (DNS) was not issued prior to the hearing, as required by SMC 20.30.540(C). Therefore, even though the Planning Commission has conducted a public hearing, to correct this procedural oversight, the DGIP is being returned to the Planning Commission for the limited purpose of holding a second public hearing in conformance with the SMC's SEPA provisions.

The DNS was issued on November 15, 2018, and is included as Attachment B. The SEPA Checklist was prepared on November 13, 2018, and is included as Attachment C. All materials have been noticed properly and submitted to appropriate agencies for review.

Staff is not recommending that the Planning Commission modify the recommendation it formulated on October 18, 2018. Rather, Staff is recommending that after allowing for additional public comment, if any, and considering the DNS, the Planning Commission affirm its October 18 recommendation.

For a full review record, the Planning Commission study sessions and hearing for the potential expansion of the DGIP are listed below and include a link to each of the staff reports.

Approved By: Project Manager



Planning Director



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- August 2, 2018- <http://www.shorelinewa.gov/home/showdocument?id=39436>.
- September 6, 2018-<http://www.shorelinewa.gov/home/showdocument?id=40690>.
- October 18, 2018- <http://www.shorelinewa.gov/home/showdocument?id=41043>.

NEXT STEPS

Council Study Session: January 14, 2019

Potential Council Adoption of Ordinance No. 839: February 4, 2019

RECOMMENDATION

Staff recommends the Planning Commission affirm its recommendation of October 18, 2018, which made several revisions to SMC 20.50 and expanded the Deep Green Incentive Program (SMC 20.50.630) to add a fourth tier, as follows:

- Tier 1- Living Building Challenge or Living Community Challenge;
- Tier 2- Emerald Star or Petal Recognition;
- Tier 3- LEED Platinum, 5-Star, Zero Energy plus Salmon Safe, or PHIUS+ Source Zero plus Salmon Safe; or
- Tier 4- PHIUS+ or 4-Star.

ATTACHMENTS

Attachment A- Planning Commission recommendation in legislative format

Attachment B- Determination of Nonsignificance

Attachment C- SEPA Checklist

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Amendments to Shoreline Municipal Code Title 20 Chapters 20.20, 20.30, and 20.50 Potential Expansion of Deep Green Incentive Program (DGIP)

20.20.016 D definitions.

Deep Green- refers to an advanced level of green building that requires more stringent standards for energy and water use, stormwater runoff, site development, materials, and indoor air quality than required by the Building Code. With regard to the Deep Green Incentive Program, this definition is divided into tiers based on certification programs as follows:

- Tier 1- International Living Future Institute's (ILFI) Living Building Challenge™ or Living Community Challenge™;
- Tier 2- ILFI's Petal Recognition™ or Built Green's Emerald Star™; and
- Tier 3- US Green Building Council's (USGBC) Leadership in Energy and Environmental Design (LEED) Platinum™; Built Green's 5-Star™; or ILFI's Net Zero Energy Building™ (NZEB) or Passive House Institute US's (PHIUS)+Shift Zero™, in combination with Salmon Safe™ where applicable.
- Tier 4- Built Green's 4-Star™ or PHIUS+™.

20.30.080 Preapplication meeting.

A preapplication meeting is required prior to submitting an application for any project requesting departures through the Deep Green Incentive Program to discuss why departures are necessary to achieve certification through International Living Future Institute, Built Green, US Green Building Council, Passive House Institute US, or Salmon Safe programs. A representative from the prospective certifying agency(ies) will be invited to the meeting, but their attendance is not mandatory. If the project would not otherwise require a preapplication meeting, the fee for the preapplication meeting will be waived.

20.30.297 Administrative Design Review (Type A).

1. Administrative Design Review approval of departures from the design standards in SMC 20.50.220 through 20.50.250 and SMC 20.50.530 through 20.50.610 shall be granted by the Director upon their finding that the departure is:
 - a) Consistent with the purposes or intent of the applicable subsections; or
 - b) Justified due to unusual site constraints so that meeting the design standards represents a hardship to achieving full development potential.
2. Projects applying for the Deep Green Incentive Program by certifying through ~~for certification under~~ the Living Building or Community Challenge, Petal Recognition, Emerald Star, LEED-Platinum, 5-Star, 4-Star, PHIUS+, PHIUS+ Source Zero/Salmon Safe, or ~~Net Zero Energy Building/Salmon Safe~~ programs may receive departures from development standards under SMC 20.40, 20.50, 20.60, and/or 20.70 upon the Director's finding that the departures meet A and/or B above, and as further described under 20.50.630. Submittal documents shall include proof of enrollment in the programs listed above.

20.40.046(D) Mixed-Use Residential Zones

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D. ~~Four-Star Built Green construction is required all MUR zones.~~ Construction in MUR zones must achieve green building certification through one of the following protocols: Built Green 4-Star or PHIUS+. If an affordable housing or school project is required to certify through the Evergreen Sustainable Development Standard, this protocol shall fulfill the requirement.

20.50.400 Reductions to minimum parking requirements.

B. A project applying for parking reductions under the Deep Green Incentive Program may be eligible ~~for commercial and multi-family projects based on the intended certification they intend to achieve. No parking reductions will be eligible for single-family projects.~~ Parking reductions are not available in R-4 and R-6 zones. Reductions will be based on the following tiers:

1. Tier 1 – Living Building or Living Community Challenge Certification: up to 50% reduction in parking required under 20.50.390 for projects meeting the full International Living Future Institute (ILFI) program criteria;
2. Tier 2 – Living Building Petal or Emerald Star Certification: up to 35% reduction in parking required under 20.50.390 for projects meeting the respective ILFI or Built Green program criteria;
3. Tier 3 - LEED Platinum, 5-Star, PHIUS+ Source Zero/Salmon Safe, or Net Zero Energy Building/Salmon Safe Certification: up to 20% reduction in parking required under 20.50.390 for projects meeting the respective US Green Building Council, Built Green, PHIUS, ~~or~~ ILFI and/or Salmon Safe program criteria.
4. Tier 4- PHIUS+ or 4-Star: up to 5% reduction in parking required under 20.50.390 for projects meeting the PHIUS or Built Green program criteria.

C. In the event that the Director approves reductions in the parking requirement, the basis for the determination shall be articulated in writing.

D. The Director may impose performance standards and conditions of approval on a project, including a financial guarantee.

E. Reductions of up to 50 percent may be approved by the Director for the portion of housing providing low income housing units that are 60 percent of AMI or less as defined by the U.S. Department of Housing and Urban Development.

F. A parking reduction of 25 percent may be approved by the Director for multifamily development within one-quarter mile of the light rail station. These parking reductions may not be combined with parking reductions identified in subsections A, ~~B~~, and ~~E~~ of this section.

~~G. Parking reductions for affordable housing or the Deep Green Incentive Program may not be combined with parking reductions identified in subsection A of this section.~~

Subchapter 9: 20.50.630 – Deep Green Incentive Program (DGIP)

A. **Purpose.** The purpose of this section is to establish an incentive program for Living and Deep Green Buildings in the City of Shoreline. The goal of the DGIP is to encourage development that meets the International Living Future Institute's (ILFI) Living Building Challenge™, Living Community Challenge™, Petal Recognition™, or Net Zero Energy Building™ (NZEB) programs; Built Green's Emerald Star™ ~~or~~ 5-Star™, or 4-Star™ programs; the US Green Building Council's (USGBC) Leadership in

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Energy and Environmental Design™ (LEED) Platinum program; Passive House Institute US™'s PHIUS+ or PHIUS+Source Zero programs; and/or the Salmon Safe™ program by:

1. encouraging development that will serve as a model for other projects throughout the city and region resulting in the construction of more Living and Deep Green Buildings; and
2. allowing for departures from Code requirements to remove regulatory barriers.

B. Project qualification.

1. Application requirements. In order to request exemptions, waivers, or other incentives through the Deep Green Incentive Program, the applicant or owner shall submit a summary demonstrating how their project will meet each of the requirements of the relevant certification program, such as including an overall design concept, proposed energy balance, proposed water balance, and descriptions of innovative systems.
2. Qualification process. An eligible project shall qualify for the DGIP upon determination by the Director that it has submitted a complete application pursuant to SMC 20.30.297 Administrative Design Review, and has complied with the application requirements of this subsection.
3. The project must be registered with the appropriate third-party certification entity such as the International Living Future Institute, Built Green, US Green Building Council, Passive House Institute US, or Salmon Safe.
4. Projects requesting departures under the DGIP shall meet the current version of the appropriate certification program, which will qualify them for one of the following tiered packages of incentives:
 - a. Tier 1 - Living Building Challenge or Living Community Challenge Certification: achieve all of the Imperatives of the ILFI programs;
 - b. Tier 2 – Emerald Star or Petal Certification: satisfy requirements of Built Green program or three or more ILFI Petals, including at least one of the following- Water, Energy, or Materials; or
 - c. Tier 3- LEED Platinum, 5-Star, PHIUS+ Source Zero plus Salmon Safe, or ~~NZEB~~ plus Salmon Safe: satisfy requirements of the respective USGBC, Built Green, PHIUS, ~~or ILFI~~, and/or Salmon Safe programs. The addition of Salmon Safe certification to PHIUS+ Source Zero or NZEB projects is not required for detached single-family projects; or
 - d. Tier 4- PHIUS+ or 4-Star: achieve all requirements of the PHIUS or Built Green programs.

C. Director's determination. All Shoreline Deep Green Incentive Program projects are subject to review by the Director under Section 20.30.297. Any departures from the Shoreline Development Code (SMC Title 20) must be approved by the Director prior to submittal of building permit application.

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D. Incentives. A project qualifying for the Shoreline Deep Green Incentive Program will be granted the following tiered incentive packages, based on the certification program for which they are applying:

1. A project qualifying for Tier 1 - Living Building Challenge or Living Community Challenge may be granted a waiver of up to 100% City-imposed pre-application and permit application fees. A project qualifying for Tier 2 – Emerald Star or Petal Recognition may be granted a waiver of up to 75% of City-imposed application fees. A project qualifying for Tier 3 – LEED Platinum, 5-Star, PHIUS+ Source Zero/Salmon Safe, or NZEB/Salmon Safe may be granted a waiver of up to 50% of City-imposed application fees. A project qualifying for Tier 4- PHIUS+ or 4-Star may be granted a waiver of up to 25% of City-imposed application fees.
2. Projects qualifying for the DGIP may be granted a reduced Transportation Impact Fee based on a project-level Transportation Impact Analysis.
3. Departures from Development Code requirements when in compliance with SMC 20.50.630(E).
4. Expedited permit review without additional fees provided in SMC Chapter 3.01

E. Departures from Development Code requirements. The following requirements must be met in order to approve departures from Development Code requirements:

1. The departure would result in a development that meets the goals of the Shoreline Deep Green Incentive Program and would not conflict with the health and safety of the community. In making this recommendation, the Director shall consider the extent to which the anticipated environmental performance of the building would be substantially compromised without the departures.
2. A Neighborhood Meeting is required for projects departing from standards in the R-4 or R-6 zones.
3. Departures from the following regulations may be granted for projects qualifying for the Shoreline Deep Green Incentive Program:
 - a. SMC 20.50.020. Residential density limits
 - i. Tier 1 – Living Building Challenge or Living Community Challenge Certification: up to 100% bonus for the base density allowed under zoning designation for projects meeting the full Challenge criteria;
 - ii. Tier 2 – Emerald Star or Living Building Petal Certification: up to 75% bonus for the base density allowed under zoning designation for projects meeting the program criteria;
 - iii. Tier 3 - LEED Platinum, 5-Star, or PHIUS+ Source Zero/Salmon Safe or NZEB/Salmon Safe Certification: up to 50% bonus for the base density allowed under zoning designation for projects meeting the program criteria;
 - iv. Tier 4- PHIUS+ or 4-Star: up to 25% bonus for the base density allowed under zoning designation for projects meeting the program criteria.

Minimum lot size of 10,000 square feet is required in all zones with a density maximum in order to request a density bonus. Density bonus is

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not available in R-4 and R-6 zones. Any additional units granted would be required to be built to the same green building standard as the first.

- b. SMC 20.50.390. Parking requirements (not applicable in R-4 and R-6 zones):
 - i. Tier 1 – Living Building Challenge or Living Community Challenge Certification: up to 50% reduction in parking required under 20.50.390 for projects meeting the full Challenge criteria;
 - ii. Tier 2 – Emerald Star or Living Building Petal Certification: up to 35% reduction in parking required under 20.50.390 for projects meeting the program criteria;
 - iii. Tier 3 - LEED Platinum, 5-Star, PHIUS+ Source Zero/Salmon Safe, or NZEB/Salmon Safe Certification: up to 20% reduction in parking required under 20.50.390 for projects meeting the program criteria.
 - iv. Tier 4- PHIUS+ or 4-Star Certification: up to 5% reduction in parking required under 20.50.390 for projects meeting the program criteria.
- c. Lot coverage standards, as determined necessary by the Director;
- d. Use provisions, as determined necessary by the Director
- e. Standards for storage of solid-waste containers;
- f. Standards for structural building overhangs and minor architectural encroachments into the right-of-way;
- g. Structure height bonus up to 10 feet for development in a zone with height limit of 35 feet. Height bonus is not available in R-4, R-6, R-8, and MUR-35' zones. Structure height bonus up to 20 feet for development in a zone with a height limit of 45 feet or greater; and
- h. A rooftop feature may extend above the structure height bonus provided in SMC 20.50.020 or 20.50.050 if the extension is consistent with the applicable standards established for that rooftop feature within the zone.

F. Compliance with minimum standards.

1. For projects requesting departures, fee waivers, or other incentives under the Deep Green Incentive Program, the building permit application shall include a report from the design team demonstrating how the project is likely to achieve the elements of the program through which it intends to be certified.
2. For projects applying for an ILFI certification (Tiers 1, 2, or 3), after construction and within six (6) months of issuance of the Certificate of Occupancy, the applicant or owner must show proof that an LBC Preliminary Audit has been scheduled; such as a paid invoice and date of scheduled audit. After construction and within twelve months of issuance of Certificate of Occupancy, the applicant or owner must show a preliminary audit report from ILFI demonstrating project compliance with the Place, Materials, Indoor Air Quality, and Beauty/Inspiration Imperatives that do not require a performance period.
3. For projects aiming for Built Green Emerald Star (Tier 2), ~~or~~ 5-Star (Tier 3), or 4-Star (Tier 4) certification, after construction and within six (6) months of issuance of the Certificate of Occupancy, the applicant or owner must show proof that the

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project successfully met Built Green certification by way of the Certificate of Merit from the program.

4. For projects pursuing LEED certification (Tier 3), the applicant or owner must show, after construction and within six (6) months of issuance of the Certificate of Occupancy, that the project has successfully completed the LEED Design Review phase by way of the final certification report.
5. For projects pursuing PHIUS+ (Tier 4) or PHIUS+ Source Zero certification (Tier 3), the applicant or owner must show, after construction and within six (6) months of issuance of the Certificate of Occupancy, that the project has successfully obtained the PHIUS+ or PHIUS+ Source Zero certification.
6. For projects pursuing Salmon Safe certification (Tier 3 in conjunction with ~~NZEB~~ or PHIUS+ Source Zero when applicable), the applicant or owner must show, after construction and within six (6) months of issuance of the Certificate of Occupancy, that the project has successfully obtained the Salmon Safe Certificate.
7. No later than two years after issuance of a final Certificate of Occupancy for the project, or such later date as requested in writing by the owner and approved by the Director for compelling circumstances, the owner shall submit to the Director the project's certification demonstrating how the project complies with the standards contained in this subsection. Compliance must be demonstrated through an independent certification from ILFI, ~~Built Green~~, or USGBC/Green Building Cascadia Institute (GBCI). A request for an extension to this requirement must be in writing and must contain detailed information about the need for the extension.
 - a. For projects pursuing ILFI certification (Living Building Challenge, Living Community Challenge, Petal Recognition, or ~~Net-Zero Energy Building~~), performance based requirements such as energy and water must demonstrate compliance through certification from ILFI within the two year timeframe noted above.
 - ~~b. For projects pursuing Built Green certification post-occupancy compliance must be demonstrated with analysis proving 12 consecutive months of net zero energy performance and/or 70% reduction in occupant water use. It is the owner's responsibility to submit utility information to Built Green so analysis can be conducted and shown to the Director.~~
 - c. For projects pursuing LEED certification, the applicant or owner must show proof of certification by way of the final LEED Construction Review report and LEED Certificate issued by USGBC/GBCI.
8. If the Director determines that the report submitted provides satisfactory evidence that the project has complied with the standards contained in this subsection, the Director shall send the owner a written statement that the project has complied with the standards of the Shoreline Deep Green Incentive Program. If the Director determines that the project does not comply with the standards in this subsection, the Director shall notify the owner of the aspects in which the project does not comply. Components of the project that are included in order to

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comply with the minimum standards of the Shoreline Deep Green Incentive Program shall remain for the life of the project.

9. Within 90 days after the Director notifies the owner of the ways in which the project does not comply, or such longer period as the Director may allow for justifiable cause, the owner may submit a supplemental report demonstrating that alterations or improvements have been made such that the project now meets the standards in this subsection.
10. If the owner fails to submit a supplemental report within the time allowed pursuant to this subsection, the Director shall determine that the project has failed to demonstrate full compliance with the standards contained in this subsection, and the owner shall be subject to penalties as set forth in subsection 20.30.770.



17500 Midvale Avenue North
Shoreline, WA 98133-4905
(206) 801-2500 ♦ Fax (206) 801-2788

SEPA THRESHOLD DETERMINATION OF NONSIGNIFICANCE (DNS)

NON-PROJECT INFORMATION

DATE OF ISSUANCE: **November 15, 2018**
PROPONENT: **City of Shoreline**
LOCATION OF PROPOSAL: **Not Applicable – Non-Project Action.**

DESCRIPTION OF PROPOSAL: The City of Shoreline is proposing amendments to the Shoreline Development Code that apply citywide. Amendments update and expand the Deep Green Incentive Program and potentially revise SMC 20.20.016, 20.30.080, 20.30.297, 20.50.400, and 20.50.630.

PUBLIC HEARING BEFORE THE PLANNING COMMISSION **December 6, 2018**

SEPA THRESHOLD DETERMINATION OF NONSIGNIFICANCE (DNS)

The City of Shoreline, as lead agency for this proposal, has determined that the proposal, a non-project action (WAC 197-11-774), will not have a probable significant adverse impact(s) on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030(2)(c). This decision was made after review of the completed environmental checklist, the City of Shoreline Comprehensive Plan, the City of Shoreline Development Code, information from affected agencies, and other information on file with the Department. This information is available for public review upon request at no charge.

This Determination of Nonsignificance (DNS) is issued in accordance with WAC 197-11-340(2). The City will not act on this proposal for 14 days after issuance.

RESONSIBLE OFFICIAL: **Rachael Markle, AICP**
Planning & Community Development, Director and SEPA Responsible Official
ADDRESS: **17500 Midvale Avenue North** PHONE: **206-801-2531**
Shoreline, WA 98133-4905

DATE:

11/13/18

SIGNATURE:



PUBLIC COMMENT, APPEAL, AND PROJECT INFORMATION

Comments on this proposal must be submitted by December 6, 2018. Any aggrieved person may appeal this Threshold Determination and an appeal shall be filed within 14 days of issuance as provided in Chapter 20.30 SMC Subchapter 4 Land Use Hearings and Appeals. Appeals must be submitted in writing to the City Clerk with the appropriate filing fee and received no later than 5:00 pm on the last day of the appeal period. The written appeal must contain specific factual objections related to the environmental impacts of the proposal.

The file and copy of the Comprehensive Plan amendments and all related documents, including this SEPA Determination of Nonsignificance, are available for review at the Shoreline City Hall, 17500 Midvale Ave N., 3rd floor – Planning & Community Development or by contacting Miranda Redinger, AICP, Senior Planner at mredinger@shorelinewa.gov or by calling 206-801-2513.

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:

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Miranda Redinger, AICP, Senior Planner
mredinger@shorelinewa.gov (206) 801-2513

4. Date checklist prepared:
November 13, 2018
5. Agency requesting checklist:
City of Shoreline
6. Proposed timing or schedule (including phasing, if applicable):
Planning Commission Public Hearing: December 6, 2018
City Council Adoption: January or February 2019
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.
No
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.
The City commissioned a study to compare a baseline project against three green building protocols. With regard to environmental performance, the study analyzed energy and water savings for each of the three green building protocols.
9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.
No
10. List any government approvals or permits that will be needed for your proposal, if known.
None
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 of Shoreline is proposing amendments to the Shoreline Development Code that apply citywide; specifically, the proposal is to expand the Deep Green Incentive Program. The proposed expansion would create incentives available to green building projects certifying under Passive House Institute US (PHIUS) and Built Green 4-Star protocols citywide, as well as allowing PHIUS+ and Evergreen Sustainable Development Standard certifications to fulfill the green building requirement within Shoreline's two light rail station subareas.
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 proposed regulation will apply citywide.

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 Wisher, 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.

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Amendments in the 2018 batch include language that addresses Building Coverage. Staff is suggesting that the definition of Building Coverage be amended to clarify the calculation of building coverage on a parcel.

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

This is a non-project action. The City has regulations about how much a particular site may be covered by buildings and hardscape. These regulations are adjusted based on the particular zoning of a parcel.

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

The City currently regulates surface water, stormwater, and erosion with the Department of Ecology Stormwater Manual for Western Washington and the Engineering Development Manual.

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.

This is a non-project action so this question does not apply. The City has regulations to control the amount of emissions being released into the air. The City also tracks carbon emissions which can be viewed at <http://www.shorelinewa.gov/our-city/environment/sustainable-shoreline-2>. Since the intent of this project is to expand incentives for green building, the more projects that take advantage of the program, the greater reduction in emissions for the City.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

This is a non-project action so this question does not apply.

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

This is a non-project action so this question does not apply. The City has a plan and goals to reduce greenhouse gas emissions 80% by 2050.

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.

This proposal is not site specific. The City of Shoreline has numerous streams, lakes, ponds and wetlands within the city's boundaries.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

No.

- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

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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:

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- 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.
- X wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- X water plants: water lily, eelgrass, milfoil, other
- X other types of vegetation

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

Does not apply.

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

Does not apply. The City of Shoreline is home to a number of priority species.

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

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. 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.

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. 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.

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.

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 hour's noise would come from the site.

This is a nonproject action. Does not apply.

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

This is a nonproject action. 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.

This is a nonproject action. 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?

This is a nonproject action. Does not apply.

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:

This is a nonproject action. Does not apply.

c. Describe any structures on the site.

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

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

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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.

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c. What existing off-site sources of light or glare may affect your proposal?

This is a nonproject action. Does not apply.

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

This is a nonproject action. Does not apply.

12. Recreation

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

This is a nonproject action. Does not apply.

b. Would the proposed project displace any existing recreational uses? If so, describe.

This is a nonproject action. 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:

This is a nonproject action. 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.

This is a nonproject action. 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.

This is a nonproject action. 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. [h

This is a nonproject action. 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.

This is a nonproject action. 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.

This is a nonproject action. 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?

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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.

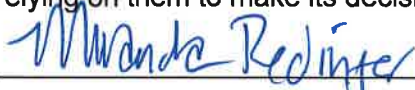
- c. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

This is a nonproject action. Does not apply.

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: _____



Name of signee: Miranda Redinger, AICP

Position and Agency/Organization: Senior Planner, City of Shoreline

Date Submitted: November 13, 2018

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?

Expanding the Deep Green Incentive Program should allow more projects to avoid discharges to water; emissions to air; and production, storage, or release of toxic or hazardous substances.

Proposed measures to avoid or reduce such increases are:

Green Building Certification Agencies will require energy and water modeling, and in some cases verify performance, before awarding certification. Additionally, the City will comply with the State Department of Ecology, Fish and Wildlife, and expert analysis when new construction occurs.

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

The proposed amendments would be unlikely to affect plants, animals, fish, or marine life directly, although increasing the number of green buildings in Shoreline would positively impact habitats and species generally.

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

Increasing the number of green buildings in Shoreline would positively impact habitats and species generally.

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

The proposal will not deplete natural resources since the intent is to conserve them.

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

Green buildings protect or conserve energy and natural resources.

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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.