



**CITY OF KIRKLAND**  
**Planning and Building Department**  
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## **MEMORANDUM**

**To:** Kirkland Planning Commission

**From:** David Barnes, Senior Planner  
Jeremy McMahan, Deputy Planning and Building Director  
Adam Weinstein, AICP, Planning and Building Director  
Scott Guter, AICP, Senior Planner

**Date:** January 18, 2022

**Subject:** High Performance Buildings Code Amendments  
File No. CAM22-00046

### **Recommendation**

Staff recommends that Planning Commission receive a presentation and provide feedback on a code amendment related to implementation of the [Sustainability Master Plan \(SMP\)](#) goals and actions promoting the construction of higher performing buildings in Kirkland.

### **Background**

On [April 8, 2021](#): Staff briefed the Planning Commission on the Sustainability Master Plan and potential action such as a High Performance Building Code amendments.

On [November 3, 2021](#): Staff briefed the City Council regarding High Performance Building Code Amendments and was given direction to proceed.

Adoption of High-Performance Building Standards (HPBS) was identified as a task for the 2021-2022 Planning Work Program (PWP). As defined in the SMP, *High Performing Green Buildings are those which deliver a relatively higher level of energy-efficiency performance than that required by building codes or other regulations.*

This PWP task was prioritized as an early implementation action from the SMP because of the magnitude of its impact. The SMP goals and actions that a HPBS program in Kirkland would directly advance are listed below:

**Goal BI-2: Increase the resilience of the built environment by requiring 50% of new construction to be Certified Net-Zero-Energy by 2025 and 100% of new construction to be certified Net-Zero-Energy by 2030**

Action BI-2.3 Encourage and incentivize buildings that are part of Council-approved Master Plans/Development Agreements/Planned Unit Developments to be high-performing green buildings that are charger-ready.

**Goal BI-4: Reduce water use in buildings by 10% by 2025 and 20% by 2030 as compared to a 2019 baseline**

Action BI-4.2 Revise the City's Green Building program to require greater water efficiency than required by Leadership in Energy and Environmental Design (LEED), Built Green and Passive House.

In addition, completing these actions would directly advance other goals and several actions in the SMP, including (Action ES-1.2 - Emission Reduction, Action ES-2.2 - Advancing Clean Energy Transformation Act, and Goal ES-5 - Reduce Emissions from Buildings).

Pursuing these primary goals and actions are also supported by two policies in the Environment Element of the Comprehensive Plan:

- Policy E-4.1: Expand City programs that promote sustainable building certifications and require them when appropriate, and
- Policy E-4.6: Work with regional partners such as Regional Code Collaborative (RCC) to build on the Washington State Energy Code, leading the way to "net-zero carbon" buildings through innovation in local codes, ordinances, and related partnerships.

It should be noted that a HPBS code amendment would build on baseline energy efficiency measures already required by the Washington State Energy Code (WSEC). Some certification programs are designed to create energy performance that exceeds the basic WSEC requirements. For example, the Built Green 4 Star Certification (residential homes and residential multi-family and mixed-use buildings) targets 12-18% greater energy performance than WSEC requires. LEED is a national program (for most building types) and its Silver Certification for energy performance is equivalent to a code-built building in Washington State.

However, to achieve SMP goal BI-2, it is important to recognize that the City's goal is net-zero energy (NZE) for new buildings. NZE buildings are energy efficient and produce as much energy as the building uses on an annual basis. The energy production is usually provided by solar panels on the structure or elsewhere on the subject property. Therefore, when requiring a certification such as LEED or Built Green, prescribing a supplemental net-zero energy performance for the buildings and development requirement is essential.

There are added benefits to using third-party green building certification programs because in addition to requiring energy efficiency, most of the performance measures are embedded and verified:

- Life cycle assessment
- Siting and structure design efficiency
- Water efficiency
- Materials efficiency
- Indoor environmental quality enhancement
- Operations and maintenance optimization

- Waste reduction
- Equity

There are many examples of cities that have pursued requirements, incentives, programs and a combination of those tools. Locally, the cities of Seattle and Shoreline have done a good job of creating incentives for high-performing buildings. Shoreline requires higher performing buildings as part of transit and light rail station area planning. Attachment 1 shows what each city (including Kirkland) has provided for incentives and if this is embedded in a program or if codified. High performing building requirements, if they exist, are also shown for each city.

Attachment 2 provides more detail about the City of Seattle green building incentive programs and Attachment 3 provides more detail about the City of Shoreline Deep Green Incentive Program. Both of these programs/codes represent the leading edge in encouraging and requiring high performing buildings in the region.

### **Current City Requirements:**

The City has a variety of green building requirements in place that have usually been imposed when additional development intensity is proposed. The rationale is that there is a nexus between additional land use intensity and associated impacts and additional land value that is being created through an “upzone”. The extra value of the increased development allowances also makes it more financially viable to pay for green building measures found in high performance buildings. Examples include the green building certification requirements that have been mandated with upzones for projects like Kirkland Urban and the South Kirkland Park and Ride.

Staff recommends that this practice of high performance building standard requirements be codified and standardized in one code section, rather than imposing standards on each use district on a case-by-case basis with each legislative decision. This case-by-case approach has resulted in multiple standards over time as available technologies and materials have advanced in the industry (see Attachment 4). The other areas of the zoning code that currently require green building certifications will be revised to reference a centralized requirement in the code.

Centralizing these green building requirements in one place would allow the Zoning Code to be updated more frequently as needed to reflect industry standards and best practices. This approach avoids code that perpetuates a low standard certification (like LEED Silver) over time and would be a desirable outcome of completing SMP Action BI-2.3.

### **Draft Code Amendments:**

#### **115.xx High Performing Buildings**

1. Purpose and Intent – The purpose of this section is to establish high performing building standards (HPBS) for developments in residential and commercial zones in Chapters 15 through 56 where the City imposes HPBS as a means of mitigating the impacts associated with development activity. Alternatively, applicants can voluntarily comply with the requirement contained in subsection (2) of this section and may participate with a choice of incentives discussed in subsection (3) of this section.

High Performing Buildings are those buildings that use less energy and water, reduce surface water impacts, and are designed and built with sustainable and healthy materials. The benefits that the occupants can expect from this type of development are healthy indoor air quality, lower energy and water bills, and in some cases where solar and water collection is utilized, no energy or water bills. The benefits the community can expect are a reduction in pollution generation and water consumption, which in turn can promote public health and reduce natural resource use.

## 2. Requirements

- a. To be considered a High Performing Building, a development shall be certified to meet the current versions of one or more of the following programs: International Living Future Institute's (ILFI) Living Building Challenge™, Living Community Challenge™, Petal Recognition (energy, water and materials petals at a minimum), or Zero Energy™ (ZE) and Core programs; Built Green's 4-Star™ program; the US Green Building Council's (USGBC) Leadership in Energy and Environmental Design™ (LEED) Platinum program; Passive House Institute US™'s PHIUS+ or PHIUS+ Source Zero programs.
- b. An applicant may propose, and the Planning Official may approve alternative certifications if the Planning Official determines that the alternative certification is equal or superior to the programs listed above in terms of the resulting building performance.
- c. All projects shall include the following performance standards:
  - 1) For residential buildings, achieve at least 100 percent of the maximum density (if specified) allowed in the applicable zone
  - 2) Provide an Embodied Carbon Assessment of existing and proposed buildings and set embodied carbon limits and reductions
  - 3) Ensure that all buildings or parking areas are Electric Vehicle Charger Ready if not required by existing code requirements
  - 4) Develop and provide a deconstruction and material diversion plan
  - 5) Achieve a reduction in water use in buildings and development by at least 20% over Washington State Building and Plumbing code requirements
  - 6) Achieve a Net-Zero energy certification for all buildings and development
  - 7) Provide the City an annual report from an independent, qualified, third-party certifier which proves that all buildings and the development are Net-Zero Energy compliant for 5 years after initial certification is achieved

## KZC Chapter 5 Definitions

### 5.10.362 High Performing Building

A building that delivers a relatively higher level of energy-efficiency performance than required by building codes or other regulations.

### 5.10.278.5 Embodied Carbon

Carbon that is released in the manufacturing, production, and transportation of building materials.

5.10.610.5: Operational Carbon

The amount of carbon emitted during the operational or in-use phase of a building. This includes the use, management, and maintenance of a product or structure.

5.10.562: Net Zero Energy Buildings

Buildings that are energy efficient and produce as much energy as the buildings use on an annual basis.

**Future considerations**

Staff suggests there could be future zoning code amendments that cross-reference our existing green building program and that discuss the City's willingness to promote pilot programs to advance our sustainability goals.

Incentives: The City has an expedited permit review program called Kirkland Priority Green Building Program and the incentive is a faster permit review timeframe based on the level of green building certification achievement.

Pilot Program: A limited time and number of projects that meet City goals such as green affordable housing, commercial mixed-use or may include projects/uses not currently allow under zoning, could be considered for future City incentive programs

**Next Steps**
















Based on the Planning Commission input, staff will come back to the February 24<sup>th</sup> Planning Commission meeting a for a public hearing on the proposed code amendments.







**Attachments:**

1. City of Seattle, Shoreline and Kirkland Green building program table
2. City of Seattle Green Building Overview
3. City of Shoreline Deep Green Building Incentive Program Overview
4. Existing City of Kirkland Code references to green building requirements








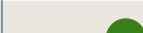







# Energy Supply + Emissions Action Ratings

Action ID	Action	Total Score		Criteria Ratings						Execution			Impacts		
		Weighted Score	Weighted Score Out of Maximum 90-point Scale	Greenhouse Gas Reduction	Environmental Quality	Community Health-Quality of Life	Environmental Social Justice and Equity	Reduction of Energy Consumption	Net Cost	Time Frame	Lead Department or Division	Community Partners	Relative Cost	Staff Level of Effort	Impact to Business / Development Community
ES 1.1	Factor emissions reduction into all budget processes and decision making	60		4	2	3	3	4	4	0-2 years	• Finance		\$	Low	None
ES 1.2	Create public / private partnerships to reduce emissions	56		3	2	3	4	3	4	0-2 years	• Unassigned	• Private partners • K4C	\$	Moderate	None
ES 1.3	Lobby State Legislature to enact laws to further reduce GHG emissions	63		4	2	3	4	4	4	ongoing	• City Manager's Office	• K4C	\$	Low	Potential
ES-1.4	Update Kirkland comprehensive plan climate goals regularly to be consistent with updated state and regional goals	15		1	0	0	0	0	5	Ongoing	• Planning & Building	• K4C	\$	Low	None
ES-1.5	Support state or regional clean fuel standard	15		1	0	0	0	0	5	Ongoing	• Planning & Building	• K4C	\$	Low	None
ES 2.1	 Establish a plan to have 100% renewable energy for the community	62		5	2	2	3	4	4	0-2 years	• Planning & Building	• Energy utility • K4C • People for Climate Action - Kirkland	\$	Moderate	Potential
ES 2.2	In conjunction with K4C, ensure that PSE fulfills the State requirements in the Clean Energy Transformation Act. Through engagement with PSE's Clean Energy Implementation process, support projects that enable PSE's ability to meet CETA goals faster.	27		1	1	2	1	1	4	0-2 years	• Planning & Building	• Neighbor cities	\$\$	High	Potential
ES 3.1	Develop a marketing program to encourage installation of solar systems	50		3	2	3	2	3	4	0-2 years	• Planning & Building	• Environmental groups • Solar installers	\$\$	Moderate	Potential
ES 3.2	Establish a region-wide program for successful implementation of community solar	56		3	2	3	4	3	4	3-6 years	• Planning & Building	• King County • K4C members	\$\$	High	Potential
ES 3.3	Consider revisions to remove barriers and provide incentives for solar in land use regulations	31		1	1	2	1	2	5	0-2 years	• Planning & Building	• Energy Utility	\$	Low	Potential
ES 3.4	Support innovative financing mechanisms for distributed energy improvements	22		1	0	0	1	2	5	0-2 years	• Planning & Building	• Energy Utility • K4C	\$	Low	None
ES 4.1	Develop regional pilots to incentivize the transition to electric vehicle ownership	53		3	3	3	2	3	4	3-6 years	• Planning & Building	• Energy utility • Organizations	\$\$	High	Potential
ES 4.2	Create incentives or require electric vehicle charging station retrofits in existing buildings or on development sites	60		4	3	3	2	4	4	0-2 years	• Planning & Building	• Developers	\$\$	Low	Direct
ES 4.3	Require EV charging stations with all new developments or redevelopment projects	47		3	2	2	2	3	4	0-2 years	• Planning & Building	• Regional Code Council	\$	Low	Direct










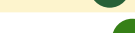
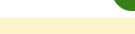
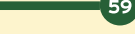



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ES 4.4	Require all new residential with offstreet parking to provide one EV-ready electrical outlet per unit and require all multi-family developments to provide EV-ready electrical outlets for 20% of required parking spaces	42	 42	2	2	2	2	2	5	0-2 years	• Planning & Building	• K4C	\$	Low	Direct
ES 4.5	Support state and regional requirements for electric delivery vehicles and TNCs	15	 15	1	0	0	0	0	5	0-2 years	• Planning & Building	• K4C • Electric Utility	\$	Low	None
ES 4.6	Develop a policy to establish a revenue source toward support of electrification of transportation, such as building additional charging stations at city facilities and parks	42	 42	3	2	1	2	2	4	3-6 years	• Finance	• Regional Code Collaboration	\$\$	Moderate	None
ES 5.1	Educate pipeline gas users how to reduce usage	42	 42	2	2	2	2	3	4	0-2 years	• Planning & Building	• Private partners	\$	Low	None
ES 5.2	Establish incentive program to convert existing gas appliances to energy efficient electric	63	 63	4	2	4	3	4	4	0-2 years	• Planning & Building	• Private partners	\$\$	Low	Direct
ES 5.3	Require or incentivize all new construction be built with only electric systems	63	 63	4	2	4	3	4	4	3-6 years	• Planning & Building	• K4C • Electric Utility	\$	Low	Direct









# Building + Infrastructure Action Ratings







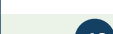




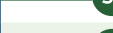
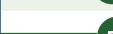

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		Weighted Score	Weighted Score Out of Maximum 90-point Scale	Greenhouse Gas Reduction	Environmental Quality	Community Health-Quality of Life	Environmental Social Justice and Equity	Reduction of Energy Consumption	Net Cost	Time Frame	Lead Department or Division	Community Partners	Relative Cost	New Staff Need?	Staff Level of Effort	Impact to Business / Development Community
BI 1.1	Incentivize net zero energy buildings through Priority Green Building program	60		4	3	3	2	4	4	0-2 years	• Planning & Building • Public Works	• Regional Code Collaborative	\$		Moderate	Direct
BI 1.2	Encourage and educate developers to create energy efficient structures	50		3	2	3	2	3	4	0-2 years	• Planning & Building	• Private partners • Green building organizations	\$		Moderate	Potential
BI 2.1	Build market demand for net-zero energy buildings through incentives, education, demonstration projects, partnerships and recognition	50		3	2	3	2	3	4	0-2 years	• Planning & Building	• Private partners • Green building organizations	\$		Moderate	Potential
BI 2.2	Consider requirement for buildings in business districts to be built to high performing building standards	37		2	2	2	1	2	4	0-2 years	• Planning & Building	• K4C	\$		Low	Direct
BI 2.3	Encourage buildings as part of Council-approved Master Plans/ Development Agreements / Planned Unit Developments to be high performing green buildings, charger ready	30		2	1	1	0	2	5	0-2 years	• Planning & Building	• K4C • Regional Code Collaboration	\$		Low	Potential
BI 3.1	Create an incentive program to share energy efficiency savings in multi-family housing	66		4	3	3	4	4	4	3-6 years	• Planning & Building	• Building owners • Property managers	\$\$		Moderate	Potential
ES 3.2	Cooperate with K4C to adopt energy performance benchmarking and disclosure ordinances for commercial buildings	60		4	3	3	2	4	4	3- 6 years	• Planning and Building	• K4C	\$\$		Low	Potential
BI 3.3	Implement C- PACER legislation	63		4	3	3	3	4	4	0-2 years	• Planning & Building	• K4C	\$		Low	Direct
BI 3.4	Implement energy performance ratings for all homes at time of sale	60		4	3	3	2	4	4	3-6 years	• Planning & Building	• K4C • Realtors	\$		Med	Potential
BI 3.5	Establish a program to assist homeowners in selecting appropriate and cost effective energy solutions	60		4	3	3	2	4	4	0-2 years	• Planning & Building	• K4C • Energy efficiency contractors	\$		Low	Potential
BI 4.1	Create an incentive program for energy and water efficient appliances in new and existing structures	52		3	3	2	2	4	4	0-2 years	• Public Works Utilities	• Energy provider • Water utilities • Private partners	\$		Low	Direct
BI 4.2	Require greater water efficiency than industry green building certifications	43		2	3	2	2	2	4	3-6 years	• Planning & Building	• Regional Code Collaborative	\$		Low	Direct
BI 4.3	Require greater water efficiency outside existing structures	43		2	3	2	2	2	4	3-+6 years	• Planning & Building	• Regional Code Collaborative	\$		Low	Direct

# Land Use + Transportation Action Ratings

Action ID	Action	Total Score		Criteria Ratings						Execution			Impacts		
		Weighted Score	Weighted Score Out of Maximum 90-point Scale	Greenhouse Gas Reduction	Environmental Quality	Community Health - Quality of Life	Environmental Social Justice and Equity	Reduction of Energy Consumption	Net Cost	Time Frame	Lead Department or Division	Community Partners	Relative Cost	Staff Level of Effort	Impact to Business / Development Community
LT-1.1	Engage in a Smart Growth policy and Smart Growth zoning code scrub	60		4	2	3	3	4	4	ongoing	• Planning		\$	Moderate	Potential
LT-2.1	Align new pedestrian connections with the 10-Minute Neighborhood concept	54		4	2	3	3	2	3	ongoing	• Transportation		\$	Low	Direct
LT-2.2	Educate community on the benefits of 10-Minute Neighborhoods and smart growth	51		3	2	3	3	2	4	0-2 years	• Planning	• Private partners	\$	Moderate	Direct
LT-2.3	Increase housing density along major transit corridors	55		4	2	2	3	3	4	3-6 years	• Planning		\$	Low	Direct
LT-2.4	Strategically adopt zoning code amendments that foster infill projects that meet local needs	36		2	1	2	1	2	5	0-2 Years	• Planning		\$	Low	Potential
LT 4.1	Align projects with Sustainability Master Plan	46		2	3	3	2	2	4	ongoing	• Transportation		\$	Low	Potential
LT-4.2	Strive for platinum status with Walk Friendly Communities	54		3	2	4	3	3	3	7-10 years	• Transportation		\$\$	Moderate	Direct
LT-4.3	Strive for platinum status with Bicycle Friendly Communities	54		3	2	4	3	3	3	3-6 years	• Transportation		\$\$	Moderate	Direct
LT-4.4	Educate more students about walking and biking	53		3	2	3	3	3	4	ongoing	• Transportation	• School districts	\$	Low	Direct
LT-4.5	Increase the number of students walking, biking, carpooling and taking the bus to school	66		4	3	4	3	4	4	0-2 years	• Transportation	• School districts	\$	Moderate	Direct
LT-4.6	Make it safe and easy for children to walk, bike and take the bus to school and other destinations	59		4	3	4	2	4	2	ongoing	• Transportation • City Manager's Office	• School districts	\$\$\$	High	Direct
LT-4.7	Prioritize walk and bike access to high frequency transit	75		5	3	5	4	5	2	ongoing	• Transportation		\$\$\$	Moderate	Direct
LT-4.8	Update markings for all bicycle lanes that are not protected, consistent with current standards	27		1	1	2	1	2	2	Ongoing	• Transportation		\$\$\$	High	None
LT-4.9	Complete the Greenway network by 2030	30		1	1	3	1	2	3	7-10 years	• Transportation		\$\$\$	High	None
LT-4.10	Develop criteria for alternative sidewalk configurations for safe pedestrian travel when traditional sidewalks are infeasible	32		1	1	3	1	2	4	0-2 years	• Public Works • Planning & Building		\$	Low	Potential

Action ID	Action	Total Score		Criteria Ratings						Execution			Impacts		
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LT-5.1	Promote public transit use through incentives and a transportation demand management (TDM) program	63	 63	4	2	3	4	4	4	ongoing	• Transportation		\$	Moderate	Direct
LT-5.2	Improve transit access through first-last mile strategies	75	 75	5	3	5	4	5	2	3-6 years	• Transportation	• Ride share services	\$\$\$	Moderate	Direct
LT-5.3	Work with regional transit agencies to provide an equitable and inclusive access to fare payment options	59	 59	3	2	3	5	3	4	3-6 years	• Transportation	• Regional Transit Agencies	\$	Low	Potential
LT-6.1	Encourage carpooling and using shared mobility by providing incentives and ride-matching tools	63	 63	4	2	3	4	4	4	ongoing	• Transportation	• Regional Transit Agencies	\$	Moderate	Direct
LT-7.1	Create partnerships with regional transit agencies and explore new public/private-partnerships	50	 50	3	1	3	3	3	4	ongoing	• Transportation	• Regional Transit Agencies	\$	Low	Potential
LT-7.2	Innovate transit solutions along Cross Kirkland Corridor and connection from I-405 to downtown Kirkland	52	 52	3	2	4	3	3	2	3-6 years	• Transportation	• Regional Transit Agencies	\$\$\$	Moderate	Direct


















# Natural Environment + Ecosystems Action Ratings




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EV-1.1	Continue NPDES permit compliance	41		0	4	4	3	0	4	ongoing	• Surface Water	• WA Ecology	\$	High	Direct
EV-1.2	Proactively identify and reduce pollutants of concern in Kirkland's impaired streams	40		0	5	4	3	0	2	ongoing	• Surface Water	• King County	\$\$\$	Moderate	Potential
EV-1.3	Assess and prioritize watersheds and actions that will improve water quality	39		0	4	3	4	0	3	0-2 years	• Surface Water		\$\$	Low	Potential
EV-2.1	Fund projects to make culverts fish passable	26		0	5	3	0	0	1	ongoing	• Surface Water	• Tribes • WA Fish & Wildlife • Army Corps	\$\$\$\$	Moderate	Potential
EV-2.2	Develop action plans for stormwater retrofit and water quality management strategies	42		0	5	3	4	0	3	0-2 years	• Surface Water		\$\$	Moderate	Potential
EV-2.3	Actively involve the community in the protection of Kirkland's aquatic resources	45		0	5	4	4	0	3	ongoing	• Surface Water	• Environmental groups • Community organizations	\$\$	Moderate	Potential
EV-3.1	Inspect and maintain public stormwater infrastructure	43		0	4	5	2	0	5	ongoing	• Surface Water		\$	Moderate	Potential
EV-3.2	Proactively replace aging stormwater infrastructure	37		0	3	5	3	0	2	0-2 years	• Surface Water		\$\$\$	Moderate	Potential
EV-4.1	Evaluate stormwater infrastructure capacity and address capacity problems	40		0	3	5	2	0	5	ongoing	• Surface Water		\$	Moderate	Potential
EV-4.2	Construct flood reduction projects for problems that occur more often than every 10 years	29		0	3	4	2	0	1	ongoing	• Capital Improvement Program		\$\$\$\$	Moderate	Potential
EV-4.3	Review development proposals for potential flood and downstream impacts and require mitigation	32		0	3	4	1	0	4	ongoing	• Surface Water	• Developers	\$	Moderate	Direct
EV-5.1	Recruit and train additional Stewards to lead volunteer habitat restoration events in parks and natural areas	53		1	5	5	2	2	4	0-2 years	• Parks & Comm. Service		\$	Moderate	Potential
EV-5.2	Grow the Green Kirkland Partnership volunteer force at a rate that meets or exceeds the City's population growth	53		1	5	5	2	2	4	0-2 years	• Parks & Comm. Service	• Forterra • EarthCorps	\$	Moderate	Direct
EV-5.3	Contract a year-round Washington Conservation Corps crew to work in critical areas in all City parks and natural areas	56		2	5	5	2	2	3	0-2 years	• Parks and Comm. Service	• Department of Ecology	\$\$	Moderate	Potential

Action ID	Action	Total Score		Criteria Ratings						Execution			Impacts		
		Weighted Score	Weighted Score Out of Maximum 90-point Scale	Greenhouse Gas Reduction	Environmental Quality	Community Health-Quality of Life	Environmental Social Justice and Equity	Reduction of Energy Consumption	Net Cost	Time Frame	Lead Department or Division	Community Partners	Relative Cost	Staff Level of Effort	Impact to Business / Development Community
EV-6.1	Update City IPM policies and practices, prioritize treatment locations, and ensure maintenance occurs as needed	46		1	4	4	2	1	4	0-2 years	• Parks & Comm. Service	• King County Noxious Weed Control	\$	Moderate	Potential
EV-6.2	Utilize the ArcCollector application to map and track the treatment of noxious weeds requiring treatment	50		2	4	4	2	1	4	0-2 years	• GIS		\$	Moderate	Potential
EV-7.1	Explore designating all parks with playgrounds as synthetic pesticide-free parks	29		0	3	3	1	0	4	0-2 years	• Parks		\$	Low	None
EV-7.2	Design City projects that eliminate the need for synthetic pesticides	29		0	3	3	1	0	4	3-6 years	• CIP		\$	Low	None
EV-7.3	Design City public landscaping that requires less maintenance, water and pesticides	29		0	3	3	1	0	4	0-2 years	• Parks • Public Works		\$\$	Moderate	None
EV-7.4	Regularly evaluate alternative products instead of synthetic pesticides	31		0	3	3	1	0	5	Ongoing	• Parks • Public Works		\$	Low	None
EV-7.5	Explore changes to maintenance standards to avoid use of synthetic pesticides	27		0	3	3	1	0	3	Ongoing	• Parks • Public Works		\$	Low	None
EV-8.1	Proactively seek and acquire parkland to secure new parks	54		2	4	4	5	2	2	ongoing	• Parks		\$\$\$	High	Potential
EV-8.2	Achieve Intent of PROS Plan goal which ensures all community members are within 1/4 mile or 10-minute walk to a park	47		2	2	4	3	0	5	0-2 years	• Parks		\$	Low	None
EV-8.3	Create GIS dataset for privately owned public parks and public plazas in the city	8		0	0	0	0	0	4	3-6 years	• Parks		\$	Moderate	None
EV-9.1	Conduct an accessibility and inclusivity review of parks, recreational facilities and programming, and open space plans with the update of all future Parks and Open Space Plans	42		0	2	5	5	0	3	3-6 years	• Parks		\$\$	Moderate	None
EV-9.2	Add an accessibility and inclusivity capital project fund to the Parks and Community Services capital improvement program	36		0	0	5	5	0	3	3-6 years	• Parks		\$\$	Moderate	None
EV-9.3	Update the Park, Recreation and Open Space Plan	43		1	3	4	3	1	3	0-2 years	• Parks		\$\$\$	High	None
EV-10.1	Update the 2020-2026 Urban Forestry Six Year Work Plan with Actions EV-10.2 through EV-10.10	49		1	4	4	4	0	4	0-2 years	• Planning & Building		\$	Low	Potential
EV-10.2	Support internal cross department planning to develop and implement sustainable urban forestry strategies	47		0	4	3	4	2	5	3-6 years	• Planning & Building		\$	Low	Direct
EV-10.3	Pursue opportunities to improve the public tree maintenance program	56		1	3	5	5	3	3	3-6 years	• Parks • Public Works		\$\$\$	High	Direct

Action ID	Action	Total Score		Criteria Ratings						Execution			Impacts		
		Weighted Score	Weighted Score Out of Maximum 90-point Scale	Greenhouse Gas Reduction	Environmental Quality	Community Health-Quality of Life	Environmental Social Justice and Equity	Reduction of Energy Consumption	Net Cost	Time Frame	Lead Department or Division	Community Partners	Relative Cost	Staff Level of Effort	Impact to Business / Development Community
EV-10.4	Develop canopy enhancement strategies to mitigate public health impacts in areas that may be disproportionately affected by adverse environmental conditions	63		1	4	5	5	3	5	3-6 years	• Planning & Building	• WA Dept Natural Resources • WA Dept of Health • Private partners	\$	Moderate	Potential
EV-10.5	Develop and implement tree planting programs to increase tree canopy cover on private and public property	61		2	4	4	3	5	5	3-6 years	• Planning & Building	• Schools • Regional agencies • Nonprofits	\$\$	Moderate	Direct
EV-10.6	Identify and prioritize climate-resilient tree species for public/private tree planting programs	56		0	4	4	3	5	4	0-2 years	• Planning & Building	• UW Climate Impacts Group • Allied professionals	\$	Low	Potential
EV-10.7	Dedicate resources for an ongoing, robust, inclusive public education and engagement framework around trees	56		0	5	5	4	2	5	0-2 years	• Planning & Building	• Community • Private partners	\$	Moderate	Direct
EV-10.8	Evaluate pre-approved public works plans and look for opportunities for retention of right-of-way trees	35		2	2	2	1	1	4	0-2 years	• Planning & Building • Public Works	• Community • Private partners	\$	Low	Potential
EV-10.9	Create comprehensive inventory of trees in City spaces and city-wide tree planting program with target areas and goals for canopy expansion in public spaces and residential areas.	52		3	4	3	2	2	3	3-6 years	• Planning & Building • Parks • Public Works		\$\$	Moderate	Potential
EV-10.10	Set commercial landscape design standards the use low-maintenance and waterwise plants	22		0	2	2	0	0	5	3-6 years	• Planning & Building		\$	Low	Direct






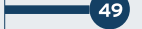






# Sustainable Materials Management Action Ratings

Action ID	Action	Total Score		Criteria Ratings						Execution			Impacts		
		Weighted Score	Weighted Score Out of Maximum 90-point Scale	Greenhouse Gas Reduction	Environmental Quality	Community Health-Quality of Life	Environmental Social Justice and Equity	Reduction of Energy Consumption	Net Cost	Time Frame	Lead Department or Division	Community Partners	Relative Cost	Staff Level of Effort	Impact to Business / Development Community
SM 1.1	Evaluate waste generation targets annually	26		1	1	1	1	1	5	0-2 years	• Solid Waste		\$	Low	None
SM 1.2	Reduce consumer use of common single-use items	43		3	3	2	1	2	3	3-6 years	• Solid Waste		\$	Moderate	Potential
SM 1.3	Improve waste prevention and recycling in City operations, facilities, and at sponsored events	35		2	2	2	1	1	4	3-6 years	• Solid Waste		\$	Moderate	Potential
SM-1.4	Set innovative rates to incentivize waste reduction and recycling and composting	24		1	1	1	1	1	4	Ongoing	• Solid Waste		\$	Low	Potential
SM 2.1	 Support repair and reuse activities	38		3	1	2	2	1	3	0-2 years	• Solid Waste	• EcoConsumer	\$	Low	None
SM 2.2	Evaluate waste disposal progress annually	26		1	1	1	1	1	5	0-2 years	• Solid Waste		\$	Low	None
SM 3.1	Eliminate the use of expanded polystyrene foam food service ware in food service establishments	44		3	3	3	1	1	3	0-2 years	• Solid Waste		\$\$	High	Direct
SM 3.2	Enact policy to reduce single-use food service ware	37		2	2	2	1	2	4	0-2 years	• Solid Waste		\$	High	Direct
SM 3.3	Provide technical assistance and incentives to promote durable products at food service businesses	43		3	2	2	2	2	3	0-2 years	• Solid Waste		\$\$	High	Direct
SM 4.1	Increase the efficiency and reduce the price of curbside and multifamily collection of bulky items	39		2	2	2	3	1	3	3-6 years	• Solid Waste	• Hauler	\$\$	Moderate	None
SM 4.2	Expand recycling events for difficult to recycle items without product stewardship take-back programs	44		3	2	3	2	1	3	3-6 years	• Solid Waste		\$	Moderate	None
SM 4.3	Increase single family food scrap recycling through a three-year educational cart tagging program	43		4	2	2	1	1	3	3-6 years	• Solid Waste	• Hauler	\$	Moderate	None
SM 4.4	Update building code requirements for waste collection in multifamily, commercial, and mixed use	33		1	2	2	2	1	4	7-10 years	• Solid Waste		\$	Moderate	Direct
SM 4.5	Institute a construction and demolition program that requires structures to be deconstructed	48		4	2	3	1	1	4	7-10 years	• Solid Waste • Building		\$	Moderate	Direct
SM 4.6	Implement a disposal ban for recycling or organics	43		4	2	2	1	1	3	7-10 years	• Solid Waste		\$\$	High	None
SM-4.7	Increase multi-family and commercial recycling	30		1	1	2	2	1	4	3-6 years	• Solid Waste • Planning & Building		\$	Low	None









Action ID	Action	Total Score		Criteria Ratings						Execution			Impacts		
		Weighted Score	Weighted Score Out of Maximum 90-point Scale	Greenhouse Gas Reduction	Environmental Quality	Community Health-Quality of Life	Environmental Social Justice and Equity	Reduction of Energy Consumption	Net Cost	Time Frame	Lead Department or Division	Community Partners	Relative Cost	Staff Level of Effort	Impact to Business / Development Community
SM 5.1	Develop infrastructure and increase outreach and incentives to increase recycling of organics	46	 46	3	2	3	2	1	4	7-10 years	• Solid Waste		\$	Moderate	Direct
SM 5.2	Increase food recovery through donation of surplus meals and staple food items to local food banks	50	 50	3	1	4	4	1	3	7-10 years	• Solid Waste	<ul style="list-style-type: none"> <li>• Food producers</li> <li>• Food banks</li> <li>• Schools</li> </ul>	\$\$	High	Direct
SM 6.1	Support legislative efforts and remain active in groups	32	 32	1	1	2	2	1	5	7-10 years	• Solid Waste	<ul style="list-style-type: none"> <li>• Northwest Product Stewardship Council</li> </ul>	\$	Low	Potential



# Sustainable Governance Action Ratings















Action ID	Action	Total Score		Criteria Ratings						Execution			Impacts		
		Weighted Score	Weighted Score Out of Maximum 90-point Scale	Greenhouse Gas Reduction	Environmental Quality	Community Health-Quality of Life	Environmental Social Justice and Equity	Reduction of Energy Consumption	Net Cost	Time Frame	Lead Department or Division	Community Partners	Relative Cost	Staff Level of Effort	Impact to Business / Development Community
SG-1.1	 Customize and utilize Sustainable Decision Making Matrix by all department decision makers	58	 58	3	3	3	3	3	5	0-2 years	• City Manager's Office		\$	Moderate	Potential
SG-1.2	Memorialize in Staff Reports that all major decisions have considered sustainability	58	 58	3	3	3	3	3	5	0-2 years	• City Manager's Office		\$	Low	None
SG-1.3	Identify tools such as a Carbon Counting Calculator that can be used for all City building and development projects to ensure the use of low carbon methods and materials	44	 44	4	2	2	0	2	4	0-2 years	• Facilities • Capital Improvement Program		\$	Low	Potential
SG-1.4	Identify and apply the Epeat registry for decisions of electronic equipment purchases	27	 27	1	1	0	1	4	4	0-2 years	• IT		\$	Low	None
SG-1.5	Adopt a policy for fleet purchases for fully electric and hybrid electric vehicles depending on technology availability and city needs; and actively seek grants to move toward an all-electric City fleet and supporting charging station infrastructure	49	 49	4	1	3	1	4	3	0-2 years	• Fleet		\$	Moderate	None
SG-1.6	Establish a grant-writing team to find and apply for grants to fund actions from the Sustainability Master Plan	30	 30	1	2	2	1	2	3	0-2 years	• Planning & Building with other departments	• Dept of Commerce • King County	\$	Moderate	Potential
SG-1.7	Apply for a Puget Sound Energy Resource Conservation Officer to optimize energy use and maximize efficiency	36	 36	2	1	2	1	4	3	0-2 years	• Facilities	• Puget Sound Energy	\$\$	Low	Potential
SG-1.8	Develop a plan in CIP for all city facilities to meet 25% energy reduction goal by 2030 and 45% by 2050	34	 34	2	1	2	1	2	4	0-2 Years	• Facilities	• K4C • Electric Utility	\$	Moderate	None
SG-1.9	Develop water and energy efficiency standards for acquired facilities. If standards are not met, retrofit to achieve standards	34	 34	2	1	2	1	2	4	0-2 years	• Facilities • PSE	• K4C	\$	Low	None
SG-1.10	Explore reduction of or elimination of gas-powered landscaping equipment for City operations	37	 37	2	1	3	1	3	3	Ongoing	• Parks • Public Works		\$\$	Moderat	None
SG-1.11	Explore creating an anti-idling policy for City vehicles	43	 43	3	1	2	1	3	5	0-2 years	• Facilities	• K4C	\$	Low	None

Action ID	Action	Total Score		Criteria Ratings						Execution			Impacts		
		Weighted Score	Weighted Score Out of Maximum 90-point Scale	Greenhouse Gas Reduction	Environmental Quality	Community Health-Quality of Life	Environmental Social Justice and Equity	Reduction of Energy Consumption	Net Cost	Time Frame	Lead Department or Division	Community Partners	Relative Cost	Staff Level of Effort	Impact to Business / Development Community
SG-2.1	★ Appoint a sustainability manager to coordinate implementation of the Sustainability Master Plan	49		3	3	2	3	3	2	3-6 years	• City Manager's Office		\$\$	High	None
SG-2.2	Implement a system to more closely coordinate sustainability-related activities across City departments	31		2	2	1	0	2	4	0-2 years	• City Manager's Office		\$\$	Moderate	None
SG-2.3	Establish protocol that allows all potential city staff to work from home a minimum of two days per week	50		4	2	3	1	2	4	0-2 years	• Human Resources		\$	Low	Potential
SG-3.1	Implement new internal purchasing guidelines, including focus on reducing single use items	21		2	1	0	0	0	4	0-2 years	• Purchasing • Solid Waste		\$	Low	None
SG-3.2	Explore specifying compost made from Kirkland's organic materials to be used in City operations and projects	25		2	3	0	0	0	3	0-2 years	• Public Works		\$	Low	None
SG-3.3	Update purchasing policy to reflect best practices in environmental purchasing	31		3	1	1	0	1	4	0-2 years	• Purchasing		\$	Low	None
SG-4.1	Implement a system of civic engagement that more closely coordinates activities across various City departments	26		0	0	3	3	0	4	0-2 years	• City Manager's Office		\$-\$	Moderate	Potential
SG-4.2	Develop a process to identify and dismantle unintended barriers to public participation	27		0	0	3	4	0	3	0-2 years	• City Manager's Office	• Communities of color • Immigrant and refugee communities • Neighborhood Assoc. • Businesses • Faith community • Community-based organizations	\$-\$	Moderate	Potential
SG-4.3	Identify and empower trusted messengers in the community to serve as liaisons between the City and communities that have historically been underrepresented	29		0	0	3	4	0	4	0-2 years	• City Manager's Office	• Communities of color • Immigrant and refugee communities • Faith community • Community-based organizations	\$-\$	Moderate	Potential
SG-4.4	Perform a comprehensive city organizational equity assessment to identify gaps in diversity, equity, and inclusion in all areas of City policy, practice and procedure	34		1	1	2	4	1	3	0-2 years	• City Manager's Office		\$\$-\$\$\$	Moderate	None
SG 4.5	Provide opportunities for public input that do not require presence at a particular time or place	40		2	1	2	3	2	4	0-2 years	• City Manager's Office		\$	Low	None
















Action ID	Action	Total Score		Criteria Ratings						Execution			Impacts		
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SG-5.1	Explore opportunities for the City's involvement in efforts of collective impact to help achieve desired outcomes	23		0	0	2	3	0	4	0-2 years	• City Manager's Office	• Communities of color • Immigrant and refugee communities • Neighborhood Assoc. • Business community • Faith community • Community-based organizations	\$-\$	Moderate	Potential
SG-5.2	Maintain support for Kirkland neighborhood associations, including efforts to expand active participation from underrepresented segments of the community	23		0	0	2	3	0	4	0-2 years	• City Manager's Office	• Neighborhood Assoc. • Communities of color • Immigrant and refugee communities • Faith community • Community-based organizations	\$	Moderate	Potential
SG-5.3	Implement opportunities for civic education and leadership development for community leaders, with a specific emphasis on Black community members, people of color, and immigrants	30		0	0	3	5	0	3	0-2 years	• City Manager's Office	• Neighborhood Assoc. • Communities of Color • Immigrant and refugee communities • Faith community • Community-based organizations	\$-\$	Moderate	Potential
SG-5.4	Prioritize and implement a civic engagement course that provides education about local government and creates an entry point for emerging community leaders	28		0	1	1	4	1	4	0-2 years	• City Manager's Office	• Neighborhood Assoc. • Communities of Color • Immigrant and refugee communities	\$	Moderate	None
SG-5.5	Consider involving community members (and Boards and Commissions) in advising City Council on the implementation of this plan and recommendations for future revisions as conditions change	40		2	2	2	2	2	4	0-2 years	• Planning & Building	• Community Groups	\$	Low	None
SG-6.1	Increase redundant / alternate power capability at critical City facilities	39		2	0	3	4	2	2	3-6 years	• Facilities		\$\$\$	Moderate	None
SG-6.2	Educate residents and businesses on actions they can take to increase personal and physical earthquake resilience	34		0	0	4	4	1	4	ongoing	• Emergency Management	• Neighborhood Assoc. • Other public agencies • Business community • Nonprofit partners	\$	Low	Direct
SG-6.3	Identify options and actions to increase water reservoir stability and shake resilient water mains	28		0	3	3	2	0	2	3-6 years	• Public Works	• Water utilities	\$\$\$	Moderate	Potential












Action ID	Action	Total Score		Criteria Ratings						Execution			Impacts		
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SG-6.4	Continue mitigation projects intended to reduce the risk of erosion, landslide, and urban flooding	35		0	4	3	2	1	3	ongoing	• Capital Improvement Program	• Other public agencies • Environmental groups	\$\$\$	Moderate	Potential
SG-6.5	Focus on efforts to address and mitigate climate change impacts	62		4	4	3	3	2	4	ongoing	• Planning & Building	• K4C	\$\$	Moderate	Potential
SG-6.6	Implement hazard mitigation strategies through funding, resources, staff support and partner agencies	53		3	4	3	3	1	3	3-6 years	• Emergency Management	• Other public agencies • Environmental groups • Utilities • Business Community • Nonprofit partners	\$\$\$	Moderate	Potential
SG-7.1	Use the Sustainable Decision Making Matrix as a tool for evaluating future investments in projects, programs or actions	58		3	3	3	3	3	5	0-2 years	• Finance		\$	Moderate	None
SG-7.2	 Evaluate establishing a sustainability opportunity fund for the City match portion of sustainability grants	44		3	2	2	3	2	2	3-6 years	• Finance		\$\$\$	Moderate	None







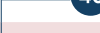
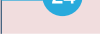






# Sustainable Business Action Ratings

Action ID	Action	Total Score		Criteria Ratings						Execution			Impacts		
		Weighted Score	Weighted Score Out of Maximum 90-point Scale	Greenhouse Gas Reduction	Environmental Quality	Community Health-Quality of Life	Environmental Social Justice and Equity	Reduction of Energy Consumption	Net Cost	Time Frame	Lead Department or Division	Community Partners	Relative Cost	Staff Level of Effort	Impact to Business / Development Community
SB-1.1	Assist Kirkland businesses in accessing resources to follow environmental best practices	41		2	3	2	2	2	3	Ongoing	• Public Works • Solid Waste	• EnviroStars	\$\$	Low	Direct
SB-1.2	Conduct outreach to all non home-based businesses, ensuring all have sufficient recycling capacity	25		1	2	1	1	0	4	0-2 years	• Solid Waste	• Hauler	\$	Low	Direct
SB-1.3	Provide hands-on technical assistance to potential pollution generating businesses to reduce pollution entering the stormwater system	31		0	3	2	2	1	4	Ongoing	• Surface Water	• King County Hazardous Waste	\$\$	Low	Direct
SB-2.1	Track and monitor the makeup of business industries in Kirkland and set a diversification goal	20		0	1	2	1	0	4	3-6 years	• Economic Development	• Washington State	\$	Low	Potential
SB-2.2	Partner with Chamber and Kirkland Downtown Alliance on promoting "Buy Local"	32		2	1	2	1	1	4	0-2 years	• Economic Development	• Chamber of Commerce • Kirkland Downtown Association	\$	Low	Direct
SB-2.3	 Support policy that encourages mixed use development and economic diversity	42		2	1	3	2	2	5	0-2 years	• Economic Development • Planning & Building		\$	Moderate	Direct
SB-3.1	Develop an economic resilience plan	23		0	0	3	2	1	3	3-6 years	• City Manager's Office	• Kirkland businesses	\$\$	Moderate	Direct
SB-3.2	Formulate a green economic recovery plan that focuses on clean, green industries and living wage jobs	46		2	2	3	3	3	3	0-2 years	• City Manager's Office	• Kirkland businesses	\$\$	Moderate	Direct
SB-3.3	Support legislation that promotes a resilient business community in Kirkland and on the Eastside	27		1	1	2	1	1	4	0-2 years	• City Manager's Office		\$	Low	Potential
SB-3.4	Promote home occupation businesses	37		2	2	2	1	2	4	3-6 years	• Planning & Building		\$	Low	Potential
SB-4.1	Create a program to help restaurants, institutions, schools procure food from local sources and farms	31		2	1	3	1	0	3	3-6 years	• Economic Development	• King Conservation District • Local farmers • Restaurants • School districts	\$\$	Moderate	Direct
SB-4.2	Promote a training program to assist immigrant and minority-owned new small business owners	37		1	2	2	4	1	3	3-6 years	• Economic Development		\$\$	Moderate	Direct
SB-4.3	Create spaces and places for startups that focus on making and selling sustainable products	30		1	2	2	1	1	4	3-6 years	• Economic Development	• Private partners	\$	Moderate	Direct

# Healthy Community Action Ratings

Action ID	Action	Total Score	Criteria Ratings							Execution			Impacts		
			Weighted Score Out of Maximum 90-point Scale	Greenhouse Gas Reduction	Environmental Quality	Community Health- Quality of Life	Environmental Social Justice and Equity	Reduction of Energy Consumption	Net Cost	Time Frame	Lead Department or Division	Community Partners	Relative Cost	Staff Level of Effort	Impact to Business / Development Community
HC 1.1	 Develop a funding plan for development and operation of new P-Patches and community gardens	40		2	2	3	3	0	3	0-5 years	• Parks		\$\$	Moderate	None
HC 1.2	Develop Public/Private partnerships to locate new P-Patches on private land, including rooftops	46		2	2	3	3	2	4	3-6 years	• Parks • Planning	• Private partners	\$\$	Moderate	None
HC 1.3	Develop a strategy plan to prioritize the location of community garden opportunities in areas of the city with concentrations of multi-family developments	46		2	2	4	4	0	3	3-6 years	• Parks		\$\$	Moderate	None
HC-1.4	Build educational and support programs to teach residents how to grow food and reduce water and pesticide usage	25		0	2	2	1	1	4	3-6 years	• Parks • Public Works Environmental Education	• King County Master Gardeners • Tilth Alliance	\$\$	Moderate	None
HC 2.1	Develop Public/Private Partnerships to assist in new Farmers Market Operations	36		2	0	3	3	0	4	3-6 years	• Parks	• Private partners	\$\$	Moderate	None
HC-2.2	Amend Kirkland Zoning Code to allow Farmer's Markets where excluded	39		2	0	3	4	0	4	0-2 years	• Planning		\$	Low	Potential
HC-3.1	Amend Kirkland Zoning Code to require common open space to include food growing beds	42		2	2	3	3	0	4	0-2 years	• Planning		\$	Low	None
HC-3.2	Amend the Kirkland Zoning Code to allow food growing in stream and wetland buffer setback areas	39		2	2	2	3	0	4	0-2 years	• Planning		\$	Low	None
HC-3.3	Develop a Food Action Plan that assures fresh, local food is available and accessible by entire community	37		2	1	3	3	0	3	7-10 years	• Planning • City Manager's Office		\$\$\$	High	Potential
HC-4.1	Increase efficiency of water fixtures through incentive programs, education, legislation and partnerships	37		2	2	1	2	3	3	0-2 years	• Planning & Building	• Water utilities	\$\$	Moderate	Direct
HC-4.2	Develop water supplies for community use: reclaimed water, harvested water and grey and black water	36		2	2	3	1	2	2	3-6 years	• Public Works	• Wastewater utilities	\$\$\$	High	None
HC-4.3	Intensify water conservation effort through public/private partnerships and outreach and education	37		2	2	1	2	2	4	0-2 years	• Public Works	• Water utilities	\$	Low	None
HC-4.4	Research per-capita differences in water usages throughout the region and identify best practices to incorporate	21		0	2	1	0	2	4	0-2 years	• Utility Billing	• Water Utilities	\$	Low	None
HC-4.5	Consider rate structure impacts on per-capita differences in water usage throughout the region	21		0	2	1	0	2	4	0-2 years	• Utility Billing	• Water Utilities	\$	Low	None

Action ID	Action	Total Score		Criteria Ratings						Execution			Impacts		
		Weighted Score	Weighted Score Out of Maximum 90-point Scale	Greenhouse Gas Reduction	Environmental Quality	Community Health-Quality of Life	Environmental Social Justice and Equity	Reduction of Energy Consumption	Net Cost	Time Frame	Lead Department or Division	Community Partners	Relative Cost	Staff Level of Effort	Impact to Business / Development Community
HC 4.6	Create education program for water-use best practices addressing irrigation overuse and household consumption	21		0	2	1	0	2	4	0-2 years	• Utility Billing	• Water Utilities	\$	Low	None
HC 5.1	Hire or contract a Community Engagement and Data Analyst for 1 year	31		0	0	3	4	2	3	0-2 years	• Human Services		\$\$	Moderate	Potential
HC 6.1	Hire or contract a homelessness and housing outreach specialist to connect unhoused residents to services and housing	60		3	3	4	4	3	3	0-2 years	• Human Services		\$\$	Moderate	Direct
HC 6.2	Secure funding for more shelter and day center services for all groups experiencing homelessness on the Eastside	34		0	2	3	3	2	3	0-2 years	• Human Services	• Other cities • Private partners	\$\$\$	Low	Direct
HC 7.1	Sign on as an Eastside Pathways partner to attain better outcomes for children, cradle to career	31		0	0	3	4	0	5	0-2 years	• Human Services	• Eastside Pathways • Partner agencies	\$	Low	Potential
HC 8.1	Require on-going training on diversity, equity, and inclusion for City employees	27		0	0	3	4	0	3	0-2 years	• Human Resources		\$\$	Moderate	Potential
HC 8.2	Explore partnership programs to implement community learning and dialogue around diversity, equity and inclusion	29		0	0	3	4	0	4	0-2 years	• City Manager's Office	• Communities of color • Immigrant and refugee communities • Neighborhood Assoc. • Businesses • Faith community	\$	Moderate	Potential
HC 8.3	Encourage the strengthening of relationships between various groups and communities in Kirkland	45		2	2	3	4	0	4	0-2 years	• City Manager's Office	• Communities of color • Immigrant and refugee communities • Neighborhood Assoc. • Businesses • Faith community	\$	Moderate	Potential
HC 9.1	Continue network membership in Welcoming America and Cities for Citizenship	23		0	0	2	3	0	4	0-2 years	• City Manager's Office		\$	Moderate	Potential
HC 9.2	Seek Welcoming Certification from Welcoming America	27		0	0	3	4	0	3	0-2 years	• City Manager's Office	• Community-based organizations • Neighboring cities	\$	Moderate	Potential
HC 9.3	Create partnership programs to strengthen relationships between the City and immigrant and refugee communities	29		0	0	3	4	0	4	0-2 years	• City Manager's Office	• Community-based organizations • Neighboring cities	\$	Moderate	Potential

Action ID	Action	Total Score		Criteria Ratings						Execution			Impacts		
		Weighted Score	Weighted Score Out of Maximum 90-point Scale	Greenhouse Gas Reduction	Environmental Quality	Community Health-Quality of Life	Environmental Social Justice and Equity	Reduction of Energy Consumption	Net Cost	Time Frame	Lead Department or Division	Community Partners	Relative Cost	Staff Level of Effort	Impact to Business / Development Community
HC-10.1	Identify, develop, and implement actions to help end interpersonal, institutional, and structural racism, increase social equity, and support environmental justice in Kirkland	37		1	1	2	5	1	3	0-2 years	• City Manager's Office	• Communities of color • Immigrant and refugee communities • Neighborhood Assoc. • Businesses • Faith community	\$\$\$	High	None
HC-10.2	Expand the proposed Geographic Information System (GIS) community analysis to include a gap analysis of environmental justice inequities	40		1	1	3	5	1	3	0-2 years	• Planning & Building • IT Department • City Manager's Office		\$\$\$	Moderate	Potential
HC-11.1	Establish program to preserve multi-family housing stock	51		3	3	2	3	2	4	3-6 years	• Planning & Building	• ARCH • King County	\$\$	Moderate	Potential
HC-11.2	Establish program or create additional incentives to preserve older single-family housing stock in exchange for higher density and lot size flexibility	48		3	2	2	3	2	4	0-2 years	• Planning & Building		\$\$	Moderate	Potential
HC-11.3	Establish a public/private community solar program with a focus on existing multi-family housing stock	56		3	3	3	3	3	4	3-6 years	• Planning & Building	• Private partners, • K4C	\$\$	Moderate	Potential
HC-11.4	Revise the City's Expedited Green Building program to include incentives related to creating attainable housing	50		3	2	2	3	3	4	0-2 years	• Planning & Building	• ARCH • King County	\$	Low	Direct
HC-11.5	Encourage developers who use the Evergreen Sustainability Standard to exceed minimums	40		2	2	2	2	2	4	0-2 years	• Planning & Building	• Housing developers	\$	Low	Potential
HC-11.6	Monitor local and sub-regional job types, wages and housing costs to ensure housing stock is affordable to employees of local businesses and congestion is reduced	24		1	1	1	1	1	4	0-2 years	• Planning & Building		\$	Medium	None
HC-11.7	Identify city-wide numerical affordable housing goals for affordable units built under inclusion-ary zoning rules and track progress of meeting set goals	31		0	0	3	4	1	4	0-2 years	• Planning & Building	• ARCH	\$	Low	Potential
HC-12.1	Complete an athletic field study that can identify a plan for system wide field improvements or acquisitions	30		0	0	3	5	0	3	3-6 years	• Parks & Comm. Services		\$	Medium	Potential
HC-13.1	Build an additional skate park	27		0	0	3	4	0	3	7-10 years	• Parks & Comm. Services		\$\$	Medium	None
HC-13.2	Construct a recreation and aquatics center to achieve the recommended indoor pool and recreation space	32		0	0	5	5	0	1	7-10 years	• Parks & Comm. Services	• Redmond • Bellevue • King County	\$\$\$\$	High	Potential
HC-13.3	Evaluate existing recreational programs and facilities to ensure equity for all populations and that they are serving the diverse needs in our community	29		0	0	3	4	0	4	0-2 years	• Parks & Comm. Services		\$\$	Moderate	None
HC-13.4	Explore public/private recreational partnerships	22		0	0	3	1	0	5	0-2 years	• Parks & Comm. Services		\$	Low	None



## City of Seattle Green Building Permitting Incentives

Incentive Name	Description	Benefit	Requirement	Authority
Living Building Pilot	Up to 20 projects based on Living Building Challenge green building certification. 12 projects currently enrolled.	Substantial Height, Floor Area increases, and additional design review development standard departures	-Living Building Challenge full building certification or petal certification -25% less energy/carbon emissions compared to energy code based on performance, not models -No potable water uses for non-potable purposes.	Land Use Code SMC 23.40.060
Green Building Standard (Zoning Incentive)	Standard applies in various zones citywide and generally provides more development capacity	Floor area increase, height increases, option to build 2 <sup>nd</sup> ADU. In some multifamily residential zones, the standard applies when exceeding a floor area threshold.	-Green Building Certification -lead hazard mitigation during demolition -options for salvage and deconstruction -no fossil fuel use for heating, water heating or residential cooking	Land Use Code SMC 23.58D and Director's Rule 4-2021
Priority Green Expedited	Expedites the review of building permits	Provides a faster building permit process and single point of contact	-Same as above, and projects must meet additional requirements to. - be more energy efficiency than energy code - provide environmental product declarations to address embodied carbon - use products with low volatile organic compounds and no added formaldehyde. -limit size of dwelling units	Not codified



# Build Better with the Deep Green Incentive Program (DGIP)

The City of Shoreline is offering our Deep Green Incentive Program (DGIP), which gives developers who build green access to increased density, taller buildings and reduced fees. The DGIP applies to development projects that register with a third-party certification entity, such as the International Living Future Institute (ILFI), Built Green, US Green Building Council, Passive House Institute US, or Salmon-Safe.



## What are the potential incentives?

The DGIP offers four tiers of incentives, as noted in the table below.

TIER	CERTIFICATION	INCENTIVES	GENERAL INCENTIVES (ANY TIER)
1	<ul style="list-style-type: none"> <li>• <a href="#">ILFI's Living Building Challenge</a>; or</li> <li>• <a href="#">ILFI Living Community Challenge</a></li> </ul>	<i>Up to:</i> <ul style="list-style-type: none"> <li>• 100% reduction in city-imposed application fees</li> <li>• 100% density bonus</li> <li>• 50% reduction to minimum parking</li> </ul>	<ul style="list-style-type: none"> <li>• Expedited permit review for no additional fees</li> <li>• Reduced Transportation Impact Fees, based on Traffic Impact Analysis</li> <li>• Increase in maximum lot coverage standards</li> <li>• Structure height bonuses (10 – 20 feet depending on zone)</li> </ul>
2	<ul style="list-style-type: none"> <li>• <a href="#">ILFI's Petal Recognition</a>; or</li> <li>• <a href="#">Built Green's Emerald Star</a></li> </ul>	<i>Up to:</i> <ul style="list-style-type: none"> <li>• 75% reduction in city-imposed application fees</li> <li>• 75% density bonus</li> <li>• 35% reduction to minimum parking</li> </ul>	
3	<ul style="list-style-type: none"> <li>• <a href="#">USGBC's Leadership in Energy and Environmental Design™ Platinum</a>; or</li> <li>• <a href="#">Built Green's 5-Star</a>;</li> <li>• <a href="#">ILFI's Zero Energy</a> + <a href="#">Salmon-Safe</a>; or</li> <li>• <a href="#">Passive House Institute's PHIUS+ Source Zero</a> + <a href="#">Salmon-Safe</a></li> </ul>	<i>Up to:</i> <ul style="list-style-type: none"> <li>• 50% reduction in city-imposed application fees</li> <li>• 50% density bonus</li> <li>• 20% reduction to minimum parking</li> </ul>	
4	<ul style="list-style-type: none"> <li>• <a href="#">Built Green's 4-Star™</a>; or</li> <li>• <a href="#">PHIUS+™</a></li> </ul>	<i>Up to:</i> <ul style="list-style-type: none"> <li>• 25% reduction in city-imposed application fees</li> <li>• 25% density bonus</li> <li>• 5% reduction to minimum parking</li> </ul>	

## Why should I take advantage of the DGIP?

There are many benefits of green buildings for both developers and occupants.



High Tenant Occupancy



Faster Review  
Reduced Fees  
Incentivized Zoning



Increased Asset Value



Creates Local Green Jobs



Energy Independence



Increased Marketability



Lower Utility Bills



Healthier Homes & City



## Green Building Incentives/Mandates in Kirkland Zoning Code

### KZC 25.10.080 HENC 2 Zone

3. Development shall be designed, built and certified to achieve or exceed one or more of the following green building certification standards: Built Green 5 star certified, LEED Gold certified, or Living Building Challenge certified.

### KZC 30.20 (Permitted Uses-Special Regulations: PU-41)

p. A transit [oriented](#) development containing attached or [stacked dwelling units](#) or [residential suites](#) use in the PR 1.8 [TOD zone](#) within the Totem Lake Business District (TLBD) **shall** meet the following requirements: [Back to Table](#)

Development shall be designed, built and certified to achieve or exceed the following green building standards: Built Green 5 Star certified, LEED Platinum certified, or Living Building Challenge petal certified (energy, water and materials petals at a minimum), or living building challenge certified.

q. A [residential suite](#) **shall** meet the following requirements:

1) Development shall be designed, built and certified to achieve or exceed one (1) or more of the following green building standards: Built Green 5 Star certified, LEED Platinum certified, or Living Building Challenge petal certified (energy, water and material petals at a minimum), or living building challenge certified.

### KZC 35.10.050 FHNC Zone

Maximum [height of structure](#) is as follows:

- a. Thirty-five feet above [average building elevation](#);
- b. **Fifty-five feet above** the midpoint of the subject property on the abutting [right-of-way](#), if:
- 6) Development shall be designed, built and certified to achieve or exceed one or more of the following green building certification standards: Built Green 5 star certified, LEED Gold certified, or Living Building Challenge certified.

### KZC 35.10.060 HENC 1, HENC 3 Zones

2. In the HENC 1 zone:

b. **Structure height may be increased to 35 feet above ABE** if:

6) Development shall be designed, built and certified to achieve or exceed one or more of the following green building certification standards: Built Green 5 star certified, LEED Gold certified, or Living Building Challenge certified.

**KZC 125****125.35 Decision on the PUD – Criteria for Approving a PUD**

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3. The applicant is providing one (1) or more of the following benefits to the City as part of the proposed PUD:
6. Incorporation of renewable energy systems (e.g., solar, geothermal or wind) designed to create as much energy as the project uses on an annual basis also known as Net Zero or Carbon Neutral projects, or achievement of other sustainability certifications that include, but are not limited to, International Living Futures Institute (ILFI) Living Building Challenge (full or Petal certification (Energy, Water, Materials)), Leadership in Energy and Environmental Design (LEED) Platinum, Built Green Net Zero, Salmon Safe, ILFI Net Zero or Passive House programs. Other sustainability certification programs or carbon sequestration programs not mentioned here can also be considered.

**KZC 56 - (YBD 1) South Kirkland Park and Ride**

56.10.010 Special Regulation 16.: Development shall be designed, built and certified to achieve or exceed the following green building standards: a. Evergreen Standard or Built Green 4 star certified for all housing units. b. For the parking garage and nonresidential uses, either a LEED Silver CS (Core and Shell) certified or LEED CS checklist with a third party independent verification and inspection to meet the LEED CS Silver Standard.

**Bridle Trails (in process): Will be synced with this code amendment**

**Kirkland Urban Master Plan**

LEED Gold Core and Shell