CITY OF KIRKLAND
Planning and Building Department
123 5th Avenue, Kirkland, WA 98033
425.587.3600- www.kirklandwa.gov

MEMORANDUM

To: Houghton Community Council

From: David Barnes, Senior Planner
Jeremy McMahan, Deputy Planning & Building Director

Date: January 18, 2022

Subject: High Performance Building Codes
File Number CAM22-00046

Staff Recommendation

Receive a briefing on High Performance Building Codes.

Background

Staff has briefed the Planning Commission and the City Council regarding implementing several actions from the Sustainability Master Plan. The November 3, 2021 Council packet provides the background information on a High Performance Building Code amendment. Those materials are included in Attachment 1.

Next Steps

A joint public hearing is scheduled with the Planning Commission and the Houghton Community Council for February 24, 2022. Following the public hearing, the Houghton Community Council will make a recommendation to the Planning Commission, which will subsequently make a recommendation to City Council on the proposed code amendments. The final adopting ordinance will be brought back to the HCC to consider within their disapproval jurisdiction.

City Council is tentatively scheduled to consider the recommendations for code amendments related to High Performance Buildings on March 15, 2022.

cc: File Number CAM22-00046

CITY OF KIRKLAND
Planning and Building Department
123 5th Avenue, Kirkland, WA 98033
425-587-3600

MEMORANDUM

To: Kurt Triplett, City Manager

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

Date: October 21, 2021

Subject: Sustainability Master Plan Implementation – High Performance Buildings

Recommendation

Staff recommends that Council receive a presentation and provide feedback on a near-term Sustainability Master Plan (SMP) implementation action by the Planning and Building Department related to establishing high performance building programs, codes and initiatives.

Background

The City's Sustainability Master Plan, adopted in December 2020, identifies goals and actions that can lead to greater sustainability related to the environment, equity and the economy. The Plan provides an embedded implementation matrix to assist with this task. The implementation section of the SMP (see Attachment 1, pages 75-92) prioritizes potential actions from the focus areas of the plan based on several criteria (ranging from magnitude of greenhouse gas reduction to environmental social justice and equity). The implementation matrix also identifies the following information:

- Time frame to begin working on an action (0-2, 3-6 or 7-10 years)
- Lead City department
- Community partners, if known
- If the action is considered a low, medium or high level of staff effort
- If the cost to implement is none, low, moderate or high
- Known impact to business/development (none, potential or direct)

Some of the actions have higher costs associated with them and may take longer to accomplish. However, the SMP's implementation matrix describes the potential actions that the Planning and Building Department and other departments could accomplish with additional funding and resources. Over the coming years, there are over 50 actions that the Planning and Building Department could accomplish with future work plans and other departments have actions that account for slightly more than 150 actions out of a total of 212 total actions for the entire SMP.

Adoption of High-Performance Building Standards (HPBS) was identified as a task for the 2021-2022 Planning Work Program. *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 task was established as an action that Planning and Building staff could take to begin implementing the SMP because of the magnitude of its impact – it would directly advance three goals and several actions in the SMP, and support the advancement of many other actions (ranging from ES-1.2 (Emission Reduction) , ES-2.2 (Advancing Clean Energy Transformation Act) , and Goal ES-5 (Reduce Emissions from Buildings)). The SMP goals and actions that a HPBS program in Kirkland would directly advance are listed below:

Goal BI-1: Certify all new construction as High-Performing Green Buildings by 2025

Action BI-1.1 Restructure City of Kirkland Priority Green Building program to incentivize net-zero energy buildings in single family, commercial and multi-family buildings.

Action BI-1.2 Create public/private partnerships to encourage and educate builders to create energy-efficient structures.

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-2.1 Continue to build market demand for net-zero-energy buildings through incentives, education, demonstration projects, partnerships and recognition.

Action BI-2.2 Consider requirements and incentives for buildings in business districts to be built to high-performing building standards

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 terms of implementation, these goals include timeframes and performance metrics that can guide the creation of HPBS as follows:

1. The City already has a Priority Green Building program and, with some modifications, Action BI-4.2 can be accomplished relatively quickly and will have demonstrated and certified results by a third-party such as Built Green, LEED, or

International Living Future Institute (ILFI), which administers the Living Building Challenge.

2. Both Actions under Goals BI-1 and BI-2 have clear time frames and therefore should be prioritized and achieved to be able to report results by the end of 2025.

3. Action BI-1.2 can be achieved as part of community outreach associated with Action BI-1.1.

4. Actions BI-2.1 and 2.2 can be pursued in the efforts to complete Goals BI-1 and BI-2 and their related actions.

5. All Actions are identified in the SMP as being worked on in the 0 – 2 year time frame, with the exception of Action BI-4.2 which is identified as a 3 – 6 year action.

It should be noted that an HPBS program 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 program (residential homes and residential buildings of four stories or less) targets 20% 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. Therefore, when using LEED as a certification, prescribing a supplemental energy performance requirement that would result in environmental gains at least equivalent to the Built Green 4 Star Certification would be essential.

Efforts to establish more comprehensive High Performance Building standards in Kirkland will be enhanced by revising Kirkland's existing Green Building program to include all building types. Making provisions to incentivize and in some cases require all new buildings to be substantially more energy and resource efficient will ensure that we are working towards achieving SMP Goals BI-1 and BI-2 and meeting other City goals of reducing carbon emissions and improving environmental outcomes.

There are added benefits to using third-party green building certification programs because in addition to requiring energy efficiency, the following 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

In evaluating the scope of a potential HPBS program, staff identified three elements in

the Building and Infrastructure focus area of the SMP that are applicable to the potential code amendments. The following three elements could help establish High Performance Building standards for new and existing buildings:

1. The first element is titled New Construction + Development, referring to actions that could be considered to make new development such as single-family, duplex, multi-family, commercial and mixed-use structures more energy efficient. One example would be to incentivize the construction of net-zero energy (NZE) structures. 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.

2. The second element is titled Existing Buildings. This element describes the opportunity to make many of Kirkland's existing buildings more energy efficient. This concept is particularly relevant because 70% of the buildings existing in Kirkland were built prior to 1986, which is the year energy codes became more stringent (see Figure 1 below). Retrofitting older building stock will need to be encouraged with energy efficiency programs or incentives. However, this is not a simple task and will take additional funding, partnerships and staff time to accomplish and is not included with task.

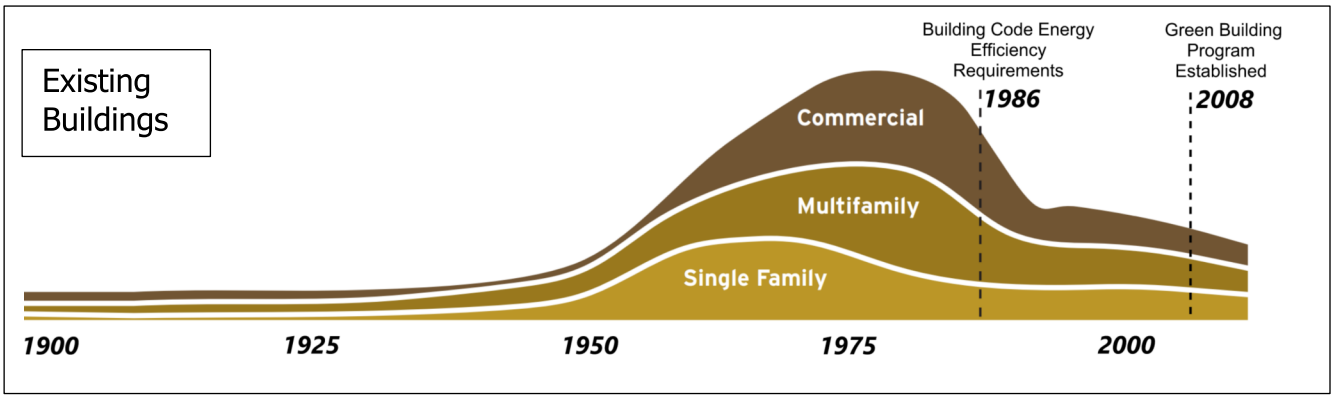

Figure 1: Kirkland's Existing Building Stock

3. The third element is titled Water Efficiency and focuses on preserving the water supply. It cannot be assumed we will always have ready access to clean drinking water, and this element seeks to ensure we maximize our water supply by using less of it. It does this by setting goals to reduce water used in buildings and landscaping and preventing waste. Reducing water use can be done in both new and existing buildings and is part of the requirements for high-performance building certification. Increasing water efficiency beyond what certification programs require can be explored in the pursuit of high performance building standards.

With new HPBS, a few key principles help inform the toolkit available to design an approach. These principles often overlap, but the concepts help identify who is doing what to meet adopted objectives.

1. Incentives – these are measures for which the City provides waivers or exceptions that encourage the builder to pursue a desired outcome. Examples include reduction of fees, density bonuses, and height exceptions.

2. Requirements – these are measures that are required by code that mandate certain outcomes. Examples include the green building certification requirements that have been mandated with upzones for projects like Kirkland Urban and the Kingsgate Transit Oriented Development (TOD).

3. Administrative Programs – these are administrative actions, which do not necessitate code amendments, that encourage the builder to pursue desired outcomes. Examples include expedited permit review, staff experts assisting builders, and community outreach and education.

Program Options
Staff has researched what other cities have done to motivate property owners and the development community to construct higher performing buildings. In addition, staff has consulted the Master Builders Residential Builders Council to understand what kinds of incentives it feels would most effectively engage their participation in an incentive-based program or codes. These are some of the incentives they suggested:

- Density bonus
- Floor area bonus
- Reduction of internal roadway widths
- Reduction in permit review times
- Reduction in permit and other fees
- Allowances for tree removal and offsite mitigation plantings

In crafting a HPBS program, some of these incentives should be pursued, while others (e.g., increasing tree removal allowances) may be contrary to other outcomes that the Sustainability Master Plan is trying to achieve.

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. Table 1 below shows what each city 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.

Table 1: Selected City Green Building Incentives and Requirements

City	Incentive	Program or Codified	Mandatory Requirements
Seattle	Density Bonus	Codified	NA
	Height Bonus	Codified	NA
	Floor Area Bonus	Codified	NA
	Expedited Permit Review	Program	NA
Shoreline	Density Bonus	Program and Codified	NA
	Permit Fee Reduction	Program and Codified	NA
	Height Bonus	Program and Codified	NA
	Impervious Surface Bonus	Program and Codified	NA
	Transportation Impact Fee Reduction	Program and Codified	NA
	Expedited Permit Review	Program and Codified	NA
	Parking Reduction	Program and Codified	NA
	Higher land use intensity in Mixed Use Residential Zones	Codified	Built Green 4 Star or Passive House US or more stringent program
	Higher land use intensity in Light Rail Station Areas	Codified	Living Building Petal certification and all of the following: • 25% better than local energy code • 75% less water use than comparable building • Stormwater retention
Kirkland	Expedited Permit Review	Program	NA
	Rooftop Solar Height bonus	Codified	NA
	Parking Reduction for providing Electric Vehicles	Codified	NA
	Encroachment into required yard for additional insulation	Codified	NA
	Higher land use intensity	Codified	South Kirkland P&R requires LEED Silver, Evergreen Certification, Built Green 4 Star, and

			King County scorecard for parking garages
	Higher land use intensity	Codified	Kirkland Urban Development requires LEED Gold or comparable certification
	Higher land use intensity	Codified	Residential Suites requires LEED Gold, Built Green 5 Star or comparable
	Higher land use intensity	Codified	Kingsgate TOD requires LEED Platinum, Built Green 5 Star or comparable

Staff Recommendation

Incentives:

In comparing the Master Builders' feedback and the incentives provided by the City of Seattle and City of Shoreline, there appears to be some alignment of successful incentives. Staff believes that the following preliminary incentives should be considered as options to incentivize High-Performance Buildings:

- Density Bonus
- Expedited Permit Review (expand from Low Density Residential to all buildings)
- Impervious Surface Bonus
- Parking Reduction
- Permit Fee Reduction
- Height Bonus
- Pilot programs to consider further incentivizing construction of Living Buildings, which is considered to be the most rigorous performance-related building certification programs world-wide. For example, a pilot program could provide a greater level of incentives but for a limited number of projects and for a limited amount of time. An example would be the City of Seattle's Living Building Pilot Program.

As with the Seattle and Shoreline incentive programs, the amount of incentive offered should relate to the environmental performance of the building being proposed. For example, pursuing a Living Building certification is highly challenging and may need significant incentives from the City to assist. Some of these incentives, like fee waivers or expedited review, have costs associated with them in terms of revenue loss or requisite staffing resources. Others, like height and density bonuses, do not have staffing costs but do have potential community impacts that must be weighed against the outcome.

In developing an incentive program, staff notes that incentives are utilized to encourage a variety of community objectives, varying from building missing middle housing, to promoting tree retention, to providing more affordable housing. The challenge is utilizing incentives to achieve the community's highest priorities, and the opportunity is aligning those incentives where they can achieve multiple objectives (i.e., affordable green buildings). Staff plans to scrutinize any potential HPBS-related code amendments to ensure they would not interfere with other City priorities, such as the development of affordable housing.

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 such as found in high performance buildings.

Staff recommends that this practice of high performance building standard requirements be codified and standardized in one code section (rather than imposed on each use district where multiple standards have been required over time (see Table 1 above). Centralizing these green building requirements 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 certifications (like LEED Silver) over time, and would be a desirable outcome of completing Action BI-2.3.

Questions

1. Is the general approach of pursuing Goals BI-1, BI-2 and BI-4 and complementary actions acceptable? This method will allow Kirkland to establish more holistic High Performance Building Standards for new structures.

2. Are there any additional incentives and requirements that Council would like staff to study? An initial discussion of Council's tolerance for changes to revenue impacts and community impacts will help scope this work program and the supporting community engagement strategy.

The Seattle and Shoreline programs, along with other regional examples, provide examples of the spectrum of potential changes (incentives and requirements) that have been effective in the current marketplace to perpetuate more high performance buildings.

Next Steps

Based on Council input, staff will pursue programmatic and regulatory solutions for further consideration with the Planning Commission and City Council. In addition, staff continues to work on other tasks related to SMP goals such as NE 85th Street Station Area Plan, and other climate action work. All of these actions and more will be part of

the first annual SMP implementation update that will be presented during Earth Month 2022.

Attachments:

1. SMP Implementation Matrix
2. City of Seattle Green Building Overview
3. City of Shoreline Deep Green Building Incentive Program Overview

Attachment 1

Energy Supply + Emissions Action Ratings

Action		Total Score		Criteria Ratings						Execution			Impacts		
Action ID	Action Summary (see plan for complete text)	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	60	4	2	3	3	4	4	0-2 years	• Finance		$	Low	None
ES 1.2	Create public / private partnerships to reduce emissions	56	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	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	15	1	0	0	0	0	5	Ongoing	• Planning & Building	• K4C	$	Low	None
ES-1.5	Support state or regional clean fuel standard	15	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	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	27	1	1	2	1	1	4	0-2 years	• Planning & Building	• Neighbor cities	$$	High	Potential
ES 3.1	Develop a marketing program to encourage installation of solar systems	50	50	3	2	3	2	3	4	0-2 years	• Planning & Building	• Environmental groups • Solar installers	$$	Moderate	Potential
ES 3.2	Establish a region-wide program for successful implementation of community solar	56	56	3	2	3	4	3	4	3-6 years	• Planning & Building	• King County • K4C members	$$	High	Potential
ES 3.3	Consider revisions to remove barriers and provide incentives for solar in land use regulations	31	31	1	1	2	1	2	5	0-2 years	• Planning & Building	• Energy Utilty	$	Low	Potential
ES 3.4	Support innovative financing mechanisms for distributed energy improvements	22	22	1	0	0	1	2	5	0-2 years	• Planning & Building	• Energy Utility • K4C	$	Low	None
ES 4.1	Develop regional pilots to incentivize the transition to electric vehicle ownership	53	53	3	3	3	2	3	4	3-6 years	• Planning & Building	• Energy utility • Organizations	$$	High	Potential
ES 4.2	Create incentives or require electric vehicle charging station retrofits in existing buildings or on development sites	60	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	47	3	2	2	2	3	4	0-2 years	• Planning & Building	• Regional Code Council	$	Low	Direct

Attachment 1

Action		Total Score		Criteria Ratings						Execution			Impacts		
Action ID	Action Summary (see plan for complete text)	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 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

Attachment 1

Building + Infrastructure Action Ratings

Action		Total Score		Criteria Ratings						Execution			Impacts			
Action ID	Action Summary (see plan for complete text)	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	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	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	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	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	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	66	4	3	3	4	4	4	3-6 years	• Planning & Building	• Building owners • Property managers	$$		Moderate	Potential
ES 3.2	Cooperate with K4C to adopt energy performance benchmarking and disclosure ordinances for commercial buildings	60	60	4	3	3	2	4	4	3- 6 years	• Planning and Building	• K4C	$$		Low	Potential
BI 3.3	Implement C- PACER legislation	63	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	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	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	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	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	43	2	3	2	2	2	4	3-+6 years	• Planning & Building	• Regional Code Collaborative	$		Low	Direct

Attachment 1

Land Use + Transportation Action Ratings

Action		Total Score		Criteria Ratings						Execution			Impacts		
Action ID	Action Summary (see plan for complete text)	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	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	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	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	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	36	2	1	2	1	2	5	0-2 Years	• Planning		$	Low	Potential
LT 4.1	Align projects with Sustainability Master Plan	46	46	2	3	3	2	2	4	ongoing	• Transportation		$	Low	Potential
LT-4.2	Strive for platinum status with Walk Friendly Communities	54	54	3	2	4	3	3	3	7-10 years	• Transportation		$$	Moderate	Direct
LT-4.3	Strive for platinum status with Bicycle Friendly Communities	54	54	3	2	4	3	3	3	3-6 years	• Transportation		$$	Moderate	Direct
LT-4.4	Educate more students about walking and biking	53	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	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	59	4	3	4	2	4	2	ongoing	• Transportation • City Manager's Office	• School districts	$$$	High	Direct
LT-4.7	Prioritize walk and bike access to high frequency transit	75	75	5	3	5	4	5	2	ongoing	• Transportation		$$$	Moderate	Direct
LT-4.8	Update markings for all bicycle lanes that are not protected, consistent with current standards	27	27	1	1	2	1	2	2	Ongoing	• Transportation		$$$	High	None
LT-4.9	Complete the Greenway network by 2030	30	30	1	1	3	1	2	3	7-10 years	• Tranportation		$$$	High	None
LT-4.10	Develop criteria for alternative sidewalk configurations for safe pedestrian travel when traditional sidewalks are infeasible	32	32	1	1	3	1	2	4	0-2 years	• Public Works • Planning & Building		$	Low	Potential

Attachment 1

Action		Total Score		Criteria Ratings						Execution			Impacts		
Action ID	Action Summary (see plan for complete text)	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-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

Attachment 1

Natural Environment + Ecosystems Action Ratings

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

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Action		Total Score		Criteria Ratings						Execution			Impacts		
Action ID	Action Summary (see plan for complete text)	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	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	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	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	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	29	0	3	3	1	0	4	0-2 years	• Parks • Public Works		$$	Moderate	None
EV 7.4	Regularly evaluate alternative products instead of synthetic pesticides	31	31	0	3	3	1	0	5	Ongoing	• Parks • Public Works		$	Low	None
EV-7.5	Explore changes to maintenance standards to avoid use of synthetic pesticides	27	27	0	3	3	1	0	3	Ongoing	• Parks • Public Works		$	Low	None
EV-8.1	Proactively seek and acquire parkland to secure new parks	54	54	2	4	4	5	2	2	ongoing	• Parks		$$$	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	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	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	42	0	2	5	5	0	3	3-6 years	• Parks		$$	Moderate	None
EV 9.2	Add an accessibility and inclusivity capital project fund to the Parks and Community Services capital improvement program	36	36	0	0	5	5	0	3	3-6 years	• Parks		$$	Moderate	None
EV 9.3	Update the Park, Recreation and Open Space Plan	43	43	1	3	4	3	1	3	0-2 years	• Parks		$$$	High	None
EV-10.1	Update the 2020-2026 Urban Forestry Six Year Work Plan with Actions EV-10.2 through EV-10.10	49	49	1	4	4	4	0	4	0-2 years	• Planning & Building		$	Low	Potential
EV-10.2	Support internal cross department planning to develop and implement sustainable urban forestry strategies	47	47	0	4	3	4	2	5	3-6 years	• Planning & Building		$	Low	Direct
EV-10.3	Pursue opportunities to improve the public tree maintenance program	56	56	1	3	5	5	3	3	3-6 years	• Parks • Public Works		$$$	High	Direct

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Action		Total Score		Criteria Ratings						Execution			Impacts		
Action ID	Action Summary (see plan for complete text)	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	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	61	2	4	4	3	5	5	3-6 years	• Planning & Building	• Schools • Regional agencies • Nonprofits	$$	Moderate	Direct
EV-10.6	Identify and prioritize climate-resilient tree species for public/private tree planting programs	56	56	0	4	4	3	5	4	0-2 years	• Planning & Building	• UW Climate Impacts Group • Allied professionals	$	Low	Potential
EV-10.7	Dedicate resources for an ongoing, robust, inclusive public education and engagement framework around trees	56	56	0	5	5	4	2	5	0-2 years	• Planning & Building	• Community • Private partners	$	Moderate	Direct
EV-10.8	Evaluate pre-approved public works plans and look for opportunities for retention of right-of-way trees	35	35	2	2	2	1	1	4	0-2 years	• Planning & Building • Public Works	• Community • Private partners	$	Low	Potential
EV-10.9	Create comprehensive inventory of trees in City spaces and city-wide tree planting program with target areas and goals for canopy expansion in public spaces and residential areas.	52	52	3	4	3	2	2	3	3-6 years	• Planning & Building • Parks • Public Works		$$	Moderate	Potential
EV-10.10	Set commercial landscape design standards the use low-maintenance and waterwise plants	22	22	0	2	2	0	0	5	3-6 years	• Planning & Building		$	Low	Direct

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Sustainable Materials Management Action Ratings

Action		Total Score		Criteria Ratings						Execution			Impacts		
Action ID	Action Summary (see plan for complete text)	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	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	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	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	24	1	1	1	1	1	4	Ongoing	• Solid Waste		$	Low	Potential
SM 2.1	★ Support repair and reuse activities	38	38	3	1	2	2	1	3	0-2 years	• Solid Waste	• EcoConsumer	$	Low	None
SM 2.2	Evaluate waste disposal progress annually	26	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	44	3	3	3	1	1	3	0-2 years	• Solid Waste		$$	High	Direct
SM 3.2	Enact policy to reduce single-use food service ware	37	37	2	2	2	1	2	4	0-2 years	• Solid Waste		$	High	Direct
SM 3.3	Provide technical assistance and incentives to promote durable products at food service businesses	43	43	3	2	2	2	2	3	0-2 years	• Solid Waste		$$	High	Direct
SM 4.1	Increase the efficiency and reduce the price of curbside and multifamily collection of bulky items	39	39	2	2	2	3	1	3	3-6 years	• Solid Waste	• Hauler	$$	Moderate	None
SM 4.2	Expand recycling events for difficult to recycle items without product stewardship take-back programs	44	44	3	2	3	2	1	3	3-6 years	• Solid Waste		$	Moderate	None
SM 4.3	Increase single family food scrap recycling through a three-year educational cart tagging program	43	43	4	2	2	1	1	3	3-6 years	• Solid Waste	• Hauler	$	Moderate	None
SM 4.4	Update building code requirements for waste collection in multifamily, commercial, and mixed use	33	33	1	2	2	2	1	4	7-10 years	• Solid Waste		$	Moderate	Direct
SM 4.5	Institute a construction and demolition program that requires structures to be deconstructed	48	48	4	2	3	1	1	4	7-10 years	• Solid Waste • Building		$	Moderate	Direct
SM 4.6	Implement a disposal ban for recycling or organics	43	43	4	2	2	1	1	3	7-10 years	• Solid Waste		$$	High	None
SM-4.7	Increase multi-family and commercial recycling	30	30	1	1	2	2	1	4	3-6 years	• Solid Waste • Planning & Builidng		$	Low	None

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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	• Food producers • Food banks • Schools	$$	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	• Northwest Product Stewardship Council	$	Low	Potential

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Sustainable Governance Action Ratings

Action		Total Score		Criteria Ratings						Execution			Impacts		
Action ID	Action Summary (see plan for complete text)	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

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SG-2.1	★ Appoint a sustainability manager to coordinate implementation of the Sustainability Master Plan	49	49	3	3	2	3	3	2	3-6 years	• City Manager's Office		$$	High	None
SG-2.2	Implement a system to more closely coordinate sustainability-related activities across City departments	31	31	2	2	1	0	2	4	0-2 years	• City Manager's Office		$$	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	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	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	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	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	26	0	0	3	3	0	4	0-2 years	• City Manager's Office		$-$$	Moderate	Potential
SG-4.2	Develop a process to identify and dismantle unintended barriers to public participation	27	27	0	0	3	4	0	3	0-2 years	• City Manager's Office	• Communities of color • Immigrant and refugee communities • Neighborhood Assoc. • Businesses • Faith community • Community-based organizations	$-$$	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	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	$-$$	Moderate	Potential
SG-4.4	Perform a comprehensive city organizational equity assessment to identify gaps in diversity, equity, and inclusion in all areas of City policy, practice and procedur	34	34	1	1	2	4	1	3	0-2 years	• City Manager's Office		$$-$$$	Moderate	None
SG 4.5	Provide opportunities for public input that do not require presence at a particular time or place	40	40	2	1	2	3	2	4	0-2 years	• City Manager's Office		$	Low	None

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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	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	$-$$	Moderate	Potential
SG-5.2	Maintain support for Kirkland neighborhood associations, including efforts to expand active participation from underrepresented segments of the community	23	23	0	0	2	3	0	4	0-2 years	• City Manager's Office	• Neighborhood Assoc. • Communities of color • Immigrant and refugee communities • Faith community • Community-based organizations	$	Moderate	Potential
SG-5.3	Implement opportunities for civic education and leadership development for community leaders, with a specific emphasis on Black community members, people of color, and immigrants	30	30	0	0	3	5	0	3	0-2 years	• City Manager's Office	• Neighborhood Assoc. • Communities of Color • Immigrant and refugee communities • Faith community • Community-based organizations	$-$$	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	28	0	1	1	4	1	4	0-2 years	• City Manager's Office	• Neighborhood Assoc. • Communities of Color • Immigrant and refugee communities	$$	Moderate	None
SG-5.5	Consider involving community members (and Boards and Commissions) in advising City Council on the implementation of this plan and recommendations for future revisions as conditions change	40	40	2	2	2	2	2	4	0-2 years	• Planning & Building	• Community Groups	$	Low	None
SG-6.1	Increase redundant / alternate power capability at critical City facilities	39	39	2	0	3	4	2	2	3-6 years	• Facilities		$$$	Moderate	None
SG-6.2	Educate residents and businesses on actions they can take to increase personal and physical earthquake resilience	34	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	28	0	3	3	2	0	2	3-6 years	• Public Works	• Water utilities	$$$	Moderate	Potential

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

Attachment 1

Sustainable Business Action Ratings

Action		Total Score		Criteria Ratings						Execution			Impacts		
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SB-1.1	Assist Kirkland businesses in accessing resources to follow environmental best practices	41	41	2	3	2	2	2	3	Ongoing	• Public Works • Solid Waste	• EnviroStars	$$	Low	Direct
SB-1.2	Conduct outreach to all non home-based businesses, ensuring all have sufficient recycling capacity	25	25	1	2	1	1	0	4	0-2 years	• Solid Waste	• Hauler	$	Low	Direct
SB-1.3	Provide hands-on technical assistance to potential pollution generating businesses to reduce pollution entering the stormwater system	31	31	0	3	2	2	1	4	Ongoing	• Surface Water	• King County Hazardous Waste	$$	Low	Direct
SB-2.1	Track and monitor the makeup of business industries in Kirkland and set a diversification goal	20	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	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	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	23	0	0	3	2	1	3	3-6 years	• City Manager's Office	• Kirkland businesses	$$	Moderate	Direct
SB-3.2	Formulate a green economic recovery plan that focuses on clean, green industries and living wage jobs	46	46	2	2	3	3	3	3	0-2 years	• City Manager's Office	• Kirkland businesses	$$	Moderate	Direct
SB-3.3	Support legislation that promotes a resilient business community in Kirkland and on the Eastside	27	27	1	1	2	1	1	4	0-2 years	• City Manager's Office		$	Low	Potential
SB-3.4	Promote home occupation businesses	37	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	31	2	1	3	1	0	3	3-6 years	• Economic Development	• King Conservation District • Local farmers • Restaurants • School districts	$$	Moderate	Direct
SB-4.2	Promote a training program to assist immigrant and minority-owned new small business owners	37	37	1	2	2	4	1	3	3- 6 years	• Economic Development		$$	Moderate	Direct
SB-4.3	Create spaces and places for startups that focus on making and selling sustainable products	30	30	1	2	2	1	1	4	3-6 years	• Economic Development	• Private partners	$	Moderate	Direct

Attachment 1

Healthy Community Action Ratings

Action		Total Score		Criteria Ratings						Execution			Impacts		
Action ID	Action Summary (see plan for complete text)	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 1.1	★ Develop a funding plan for development and operation of new P-Patches and community gardens	40	40	2	2	3	3	0	3	0-5 years	• Parks		$$	Moderate	None
HC 1.2	Develop Public/Private partnerships to locate new P-Patches on private land, including rooftops	46	46	2	2	3	3	2	4	3-6 years	• Parks • Planning	• Private partners	$$	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	46	2	2	4	4	0	3	3-6 years	• Parks		$$	Moderate	None
HC-1.4	Build educational and support programs to teach residents how to grow food and reduce water and pesticide usage	25	25	0	2	2	1	1	4	3-6 years	• Parks • Public Works Environmental Edudation	• King County Master Gardeners • Tilth Alliance	$$	Moderate	None
HC 2.1	Develop Public/Private Partnerships to assist in new Farmers Market Operations	36	36	2	0	3	3	0	4	3-6 years	• Parks	• Private partners	$$	Moderate	None
HC-2.2	Amend Kirkland Zoning Code to allow Farmer's Markets where excluded	39	39	2	0	3	4	0	4	0-2 years	• Planning		$	Low	Potential
HC-3.1	Amend Kirkland Zoning Code to require common open space to include food growing beds	42	42	2	2	3	3	0	4	0-2 years	• Planning		$	Low	None
HC-3.2	Amend the Kirkland Zoning Code to allow food growing in stream and wetland buffer setback areas	39	39	2	2	2	3	0	4	0-2 years	• Planning		$	Low	None
HC-3.3	Develop a Food Action Plan that assures fresh, local food is available and accessible by entire community	37	37	2	1	3	3	0	3	7-10 years	• Planning • City Manager's Office		$$$	High	Potential
HC-4.1	Increase efficiency of water fixtures through incentive programs, education, legislation and partnerships	37	37	2	2	1	2	3	3	0-2 years	• Planning & Building	• Water utilities	$$	Moderate	Direct
HC-4.2	Develop water supplies for community use: reclaimed water, harvested water and grey and black water	36	36	2	2	3	1	2	2	3-6 years	• Public Works	• Wastewater utilities	$$$	High	None
HC-4.3	Intensify water conservation effort through public/private partnerships and outreach and education	37	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	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	21	0	2	1	0	2	4	0-2 years	• Utility Billing	• Water Utilities	$	Low	None

Attachment 1

Action		Total Score		Criteria Ratings						Execution			Impacts		
Action ID	Action Summary (see plan for complete text)	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	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	31	0	0	3	4	2	3	0-2 years	• Human Services		$$	Moderate	Potential
HC 6.1	Hire or contract a homelessness and housing outreach specialist to connect unhoused residents to services and housing	60	60	3	3	4	4	3	3	0-2 years	• Human Services		$$	Moderate	Direct
HC 6.2	Secure funding for more shelter and day center services for all groups experiencing homelessness on the Eastside	34	34	0	2	3	3	2	3	0-2 years	• Human Services	• Other cities • Private partners	$$$	Low	Direct
HC 7.1	Sign on as an Eastside Pathways partner to attain better outcomes for children, cradle to career	31	31	0	0	3	4	0	5	0-2 years	• Human Services	• Eastside Pathways • Partner agencies	$	Low	Potential
HC 8.1	Require on-going training on diversity, equity, and inclusion for City employees	27	27	0	0	3	4	0	3	0-2 years	• Human Resources		$$	Moderate	Potential
HC 8.2	Explore partnership programs to implement community learning and dialogue around diversity, equity and inclusion	29	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	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	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	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	29	0	0	3	4	0	4	0-2 years	• City Manager's Office	• Community-based organizations • Neighboring cities	$	Moderate	Potential

Attachment 1

Action		Total Score		Criteria Ratings						Execution			Impacts		
Action ID	Action Summary (see plan for complete text)	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	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	$$$	High	None
HC-10.2	Expand the proposed Geographic Information System (GIS) community analysis to include a gap analysis of environmental justice inequities	40	40	1	1	3	5	1	3	0-2 years	• Planning & Building • IT Department • City Manager's Office		$$$	Moderate	Potential
HC-11.1	Establish program to preserve multi-family housing stock	51	51	3	3	2	3	2	4	3-6 years	• Planning & Building	• ARCH • King County	$$	Moderate	Potential
HC-11.2	Establish program or create additional incentives to preserve older single-family housing stock in exchange for higher density and lot size flexibility	48	48	3	2	2	3	2	4	0-2 years	• Planning & Building		$$	Moderate	Potential
HC-11.3	Establish a public/private community solar program with a focus on existing multi-family housing stock	56	56	3	3	3	3	3	4	3-6 years	• Planning & Building	• Private partners, • K4C	$$	Moderate	Potential
HC-11.4	Revise the City's Expedited Green Building program to include incentives related to creating attainable housing	50	50	3	2	2	3	3	4	0-2 years	• Planning & Building	• ARCH • King County	$	Low	Direct
HC- 11.5	Encourage developers who use the Evergreen Sustainability Standard to exceed minimums	40	40	2	2	2	2	2	4	0-2 years	• Planning & Building	• Housing developers	$	Low	Potential
HC-11.6	Monitor local and sub-regional job types, wages and housing costs to ensure housing stock is affordable to employees of local businesses and congestion is reduced	24	24	1	1	1	1	1	4	0-2 years	• Planning & Building		$	Medium	None
HC 11.7	Identify city-wide numerical affordable housing goals for affordable units built under inclusion-ary zoning rules and track progress of meeting set goals	31	31	0	0	3	4	1	4	0-2 years	• Planning & Buidling	• ARCH	$	Low	Potential
HC 12.1	Complete an athletic field study that can identify a plan for system wide field improvements or acquisitions	30	30	0	0	3	5	0	3	3-6 years	• Parks & Comm. Services		$	Medium	Potential
HC 13.1	Build an additional skate park	27	27	0	0	3	4	0	3	7-10 years	• Parks & Comm. Services		$$	Medium	None
HC 13.2	Construct a recreation and aquatics center to achieve the recommended indoor pool and recreation space	32	32	0	0	5	5	0	1	7-10 years	• Parks & Comm. Services	• Redmond • Bellevue • King County	$$$$	High	Potential
HC-13.3	Evaluate existing recreational programs and facilities to ensure equity for all populations and that they are serving the diverse needs in our community	29	29	0	0	3	4	0	4	0-2 years	• Parks & Comm. Services		$$	Moderate	None
HC-13.4	Explore public/private recreational partnerships	22	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 2nd 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 (IFLI), 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	• ILFI's Living Building Challenge; or • ILFI Living Community Challenge	*Up to:* • 100% reduction in city-imposed application fees • 100% density bonus • 50% reduction to minimum parking	• Expedited permit review for no additional fees • Reduced Transportation Impact Fees, based on Traffic Impact Analysis • Increase in maximum lot coverage standards • Structure height bonuses (10 – 20 feet depending on zone)
2	• ILFI's Petal Recognition; or • Built Green's Emerald Star	*Up to:* • 75% reduction in city-imposed application fees • 75% density bonus • 35% reduction to minimum parking	
3	• USGBC's Leadership in Energy and Environmental Design™ Platinum; or • Built Green's 5-Star; • ILFI's Zero Energy + Salmon-Safe; or • Passive House Institute's PHIUS+ Source Zero + Salmon-Safe	*Up to:* • 50% reduction in city-imposed application fees • 50% density bonus • 20% reduction to minimum parking	
4	• Built Green's 4-Star™; or • PHIUS+™	*Up to:* • 25% reduction in city-imposed application fees • 25% density bonus • 5% reduction to minimum parking	

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