

City of Bellevue
Environmental Stewardship Initiative Strategic Plan, 2013-2018

Progress Report Scorecard

Status	# of Actions	Description	%
Not started	1	Work has not begun	2%
Initiated	23	Work has started / implementation is partially complete	40%
Proposed	6	Proposed in 2017-2018 budget	11%
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Strategy	Muni or Comm	Actions	Implementation Progress	Status	Dept	Next Steps	Indicators	Contact			
Greenhouse Gas Emissions											
Measure, communicate, plan, and act to reduce citywide greenhouse gas emissions.											
1		M,C	Benchmark, report, and regularly monitor community and municipal GHG emissions.		Municipal and Community GHG emissions are reported on annually	Implemented	ESI	Continue to conduct annual GHG emissions inventory.	1. Muni GHG Emissions 2. Community-wide GHG Emissions	Emma Johnson	
2		M,C	Make recommendations to City Council to adopt new targets for GHG emissions reduction.		Proposed in ESI budget request for 2017-2018 as part of ESI Strategic Plan update	Proposed	ESI	Develop recommendations for a GHG reduction target and a plan for achieving the target, as part of the ESI Strategic Plan update.		Jennifer Ewing	
3	MITIGATE GREENHOUSE GAS EMISSIONS	M,C	Determine the need for resiliency planning to minimize the negative impacts of a changing climate.		Proposed in ESI budget request for 2017-2018 as part of ESI Strategic Plan update. Climate change has been integrated into the City's hazard identification and risk assessment.	Proposed	OEM / ESI	Begin to identify climate vulnerabilities in Bellevue. OEM will adopt the King County Hazard Mitigation plan and climate change issues will be integrated into that documentation. OEM will work with King County to establish a planning process, and begin implementation in 2017.		Ellen Montanana	
Mobility and Land Use											
Goal: Significantly expand the use of convenient low- or zero emission transportation for commutes in and through Bellevue.											
4		M	Pursue Evergreen Fleets certification for Bellevue's fleet		Fleet has decided to pursue 100 best fleets recognition, instead of Evergreen Fleets certification, as 100 best fleets is more attainable.	Initiated	Fleet	Fleet is conducting a gap analysis of the requirements for 100 Best Fleets and identifying areas to improve our practices. Fleet has requested CIP funding to develop a Strategic Plan to green the City's fleet.	GHG emissions of municipal fleet	Sean Pownall	
5	REDUCE MUNICIPAL FLEET FUEL CONSUMPTION	M	Prioritize the purchase and use of alternative fuel vehicles for Bellevue's fleet; select the most efficient vehicle suitable for the job.		There are draft Green Fleet Guidelines and the city has implemented a Green Fleet fuel surcharge for all departments.	Initiated	Fleet	Establish policies and develop a Green Fleet Strategic Plan.		Sean Pownall	
6		M	Reduce idling through behavior change strategies and installation of idling reduction technology.		Anti idling signage and communications to BSC staff. Using Idle Right technology in 70 vehicles.	Implemented	Fleet	Expand usage of Idle Right technology. Consider implementing an anti-idling policy.		Sean Pownall	
7		C	Improve transportation access and the proportion of nondrive-alone travel in Downtown Bellevue.		Implemented Choose Your Way Bellevue for Commute Trip Reduction in 2013. Updated the Commute Trip Reduction Plan in 2015. Required by state to maintain a CTR plan focused on employers with 100 employees or more.	Implemented	Trans		Drive-alone rate (%)	Kate Johnson / Mike Ingraham	
8		C	Continue and grow effective Commute Trip Reduction (CTR) and Transportation Demand Management (TDM) programs.		Implemented Choose Your Way Bellevue for Commute Trip Reduction in 2013. Developed similar CTR outreach for businesses with less than 100 employees.	Implemented	Trans			VMT	Kate Johnson / Mike Ingraham
9	EXPAND CONVENIENT, LOW EMISSION TRANSPORTATION OPTIONS	C	Explore alternatives to current concurrency methodology to include multimodal aspects of the transportation system.		Initiated Multi-Modal Level of Service (MMLOS) project to expand measurement, analysis, and planning for multiple transportation modes.	Initiated	Trans	Complete planning and incorporate Multi-Modal Level of Service analysis and planning into all transportation planning and projects.		Mode split	Kate Johnson / Mike Ingraham / Kevin McDonald
10		C	Study the issues and opportunities related to minimum and maximum parking requirements.		Proposed in 2017-2018 budget for downtown	Proposed	PCD	Downtown Community Development (115.37NA) budget proposal			Emil King

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11	C	Update and maintain the Bellevue Transit Plan as a guide for transit provision in the community; continue to collaborate with and support efforts by agency and community partners to build market share for transit among employees and residents.	The Transit Master Plan was adopted in 2014.	Implemented	Trans	-Continue to advocate for Bellevue's Transit Plan. -Advocate for EV Charging Stations at the Eastgate and South Bellevue Park & Rides. -Explore opportunities for priority to transit on roadways.	On/off-boarding of public transit	Franz Loewenherz
12	C	Explore land use policies that lead to a greater mix of amenities within neighborhoods.	Updated Comprehensive Plan in 2015 with enhanced land use policies to promote mixed-use development. Adopted a Complete Streets policy.	Initiated	PCD	Update the Downtown Code with input from the Downtown Livability initiative.	Walk Score	Emil King
13	C	Continue planning for transit-oriented development in key sub areas	Interdepartmental planning effort for 130th in Bel-Red (Integrated CIP Project)	Implemented	PCD	Identify opportunities for using a green rating system for a TOD project, such as LEED ND, Envision, or Greenroads		Emil King
14	C	Increase accessibility of pedestrian and bike travel routes according to the City's Ped-Bike Plan.	The City launched the Pedestrian and Bicycle Implementation Initiative in 2015 with a goal of creating two north-south, and two east-west Priority Bicycle corridors.	Initiated	Trans	Identify funding opportunities for further promotion of walking and biking	Miles of pedestrian and bike facility construction	Emil King
15	C	Market, recognize, and promote cycling to increase bicycle ridership and pedestrian travel in the community.	The City promotes Bike to Work month each May	Implemented	Trans	Implement the education and advocacy component of the Ped/Bike plan.		Franz Loewenherz, Kate Johnson
16	C	Right-size the community electric vehicle (EV) charging station infrastructure in Bellevue.	Established policy to allow for the provision of EV charging stations in the ROW. Currently manage 23 EV charging stations. Increased fees for charging stations to make them revenue neutral.	Implemented	ESI	-Proposed to establish CIP fund for replacing EV charging stations as needed. -Monitor State EV readiness program. -Identify priority sites for EV Stations. -Advocate for EV Charging Stations at Park & Rides.	EV charging station use	Jennifer Ewing
17	C	Continue upgrade of traffic signal management system to improve traffic flow.	SCATS traffic adaptive signal upgrade project monitor traffic in real time and adjust signals. Implementation is nearly complete.	Implemented	Trans	Update the ITS Plan		Chris Long
18	C	Consider mitigation tools for effectively reducing greenhouse gas emissions associated with development projects.	Discussed incorporating this into SEPA	Not started	ESI Advancement team	Identify processes and procedures in the development process, for incorporating a GHG emissions impact analysis.		Jennifer Ewing, Heidi Bedwell

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Energy and Water								
Goal: Ensure long-term access to clean energy and water while reducing the fiscal and environmental impacts of consumption.								
19	IMPROVE PERFORMANCE OF MUNICIPAL BUILDINGS AND SITES	M	Continue to implement energy and water conservation retrofits and operational improvements for municipal facilities, street lights and traffic signals, and pump stations.	Managed through RCM Established an annual and short-term energy reduction target.	Implemented	Civic Services		Energy consumed (Muni) Emma Johnson
20		M	Increase the City's I.T. energy efficiency.	PUE - power user effectiveness rating for the data center Nightwatchman shutdown Repeat hardware	Implemented	Civic Services / IT		Gallons of water used (Muni) Emma Johnson, Zorba Conlen
21		M	Continue to install and implement water-efficient landscaping and practices for streetscapes, park sites, City facilities, and City-maintained plantings.	Several smaller projects throughout the city.	Initiated	Parks / Civic Services / Trans	No citywide policy or dedicated budget for this Consider Salmon Safe site certification for a high profile city site	Pat Harris, Dan DeWald
22		M	Operate and build City facilities according to established high performance standards of EPA's ENERGY STAR and the USGBC's Leadership in Energy and Environmental Design (LEED), and pursue certification where possible.	Bellevue Theatre built to LEED, City Hall is a 99 Energy Star score.	Initiated	Civic Services / Parks / Fire	Consider a policy requiring LEED for New Construction, LEED for Operations and Management, and/or Energy Star.	Emma Johnson
23		M	Establish an internal Revolving Loan Fund (RLF) to capture savings from efficiency upgrades and fund new projects.	Requested in 2017-2018 budget proposal	Proposed	Civic Services		Emma Johnson
24	IMPROVE PERFORMANCE OF COMMUNITY BUILDINGS AND SITES	M,C	Establish energy use benchmarking and disclosure requirement for commercial and City buildings with more than 25,000 square feet and multifamily buildings with more than 20 units.	The City is already benchmarking and reporting city facility energy use. The City also has the opportunity to partner with the Smart Buildings Center to receive technical assistance to support analysis and disclosure of data.	Initiated	Civic Services / ESI	1. Policy to enable municipal benchmarking 2. Evaluate impacts of Urban Smart Bellevue and potential for commercial benchmarking	Energy consumed (Community) Emma Johnson, Jennifer Ewing
25		C	Encourage energy and water conservation and green building in Bellevue through the energy code and other tools.	Adopted 2015 building and energy codes, which went into effect on July 1, 2016.	Initiated	DS	Consider requiring solar readiness or promoting this as a voluntary requirement.	Gregg Schraeder
26		M,C	Reduce code barriers and streamline permitting processes for green building and renewable energy projects.	Streamlined permitting process for rooftop solar. Evaluating opportunities for reducing barriers to advanced green building through a Living Building Challenge pilot	Initiated	ESI / DS	Living Building Challenge pilot ordinance Evaluate opportunities for streamlined green building permitting	Jennifer Ewing
27		C	Move toward real-time energy and water consumption information for customers through electrical "smart-grid" technology and automated meter reads for water use.	Proposed AMI in 2017-2018 for water consumption.	Proposed	Utilities	PSE is also analyzing opportunities for rolling out Smart Grid technology. Evaluate opportunities to partnering with PSE to more quickly advance this technology.	Andrew Lee

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28 ENGAGE THE COMMUNITY ON BEST PRACTICES FOR CONSERVATION	M,C	Encourage municipal and private market participation in voluntary programs to drive energy and water conservation.	Urban Smart Bellevue Georgetown University Energy Prize	Implemented	ESI / Civic Services		Gallons of water saved per day (community)	Emma Johnson, Jennifer Ewing
29	C	Conduct community awareness programs to encourage energy and water conservation practices and renewable energy purchases.	Georgetown University Energy Prize Solarize Green Power Challenge	Implemented	ESI / Civic Services	Review Cascade's Water Conservation outreach efforts and identify opportunities to increase water conservation outreach and education.		Jennifer Ewing
30 SUPPORT RENEWABLE ENERGY	C	Implement renewable energy projects and study the potential for district energy sub-areas in Bellevue.	2 renewable energy projects at muni facilities (BSC and Crossroads Community Center) Also, Solar Array at Kidsquest and Boys and Girls Club	Initiated	ESI / Civic Services	-Consider launching another Solarize campaign in 2017 or 2018 -Identify opportunities for evaluating District Energy	PSE sales of Green Power and kW of renewables installed in Bellevue	Jennifer Ewing

Materials Management and Waste

Goal: Inspire systemic change that will reduce negative impacts to land, air, water, materials, and energy resources from existing consumption and waste practices.

31	C	Provide additional reuse, recycling, and repair opportunities for Bellevue residents and businesses	Utilities organizes ongoing reuse, recycling, and repair events and opportunities throughout the year.	Implemented	Utilities	Ongoing.	Tons of solid waste generated (community)	Jennifer Goodhart
32	C	Integrate "toward zero waste" principles in outreach and education materials; promote the reduction of plastic packaging waste.	Utilities has begun to incorporate "toward zero waste" principles and messaging into some materials.	Initiated	Utilities	Continue to integrate "toward zero waste" principles into outreach and education materials	Recycling and composting rate (%) (community)	Jennifer Goodhart
33 INCREASE COMMUNITY RECYCLING, COMPOSTING, AND WASTE REDUCTION OPPORTUNITIES	M,C	Provide City policy support for product stewardship programs as an alternative to rate payer-funded recycling programs.	Incorporated into 2015 City legislative agenda.	Implemented	Utilities			Jennifer Goodhart
34	M,C	Work to reduce, reuse, and recycle construction waste from building projects throughout Bellevue.	King County has new rules around C&D waste which they are enforcing in Bellevue	Initiated	Procurement / Utilities	In our contracts, we need to note that contractors must follow all applicable state and local laws regarding C&D waste, and educate project managers.		Jennifer Goodhart; Jennifer Ewing
35	C	Improve building codes to require multifamily and commercial buildings to provide sufficient space for recycling and food waste collection, along with garbage.	Evaluated issues and identified possible solutions.	Initiated	PCD / DS	Incorporate recycling space requirements into Downtown Livability code updates		Stephanie Swaenger
36	M	Compost all organics generated by City operations.	Organic waste collection at City Hall, BSC, all fire stations.	Initiated	Civic Services / Parks / Fire	Expand composting to Parks facilities	Tons of solid waste generated (Muni)	Emma Johnson
37 INCREASE MUNICIPAL RECYCLING, COMPOSTING, AND WASTE REDUCTION	M	Reduce waste going to landfill generated by City facilities and events.	Presentations to departments. Recycling at all city facilities and organics collection at City Hall, BSC, and fire stations.	Implemented	Civic Services / Parks	Expand organics collection to all city facilities. Establish a policy for recycling and organics collection at all City events.	Recycling and composting rate (%) (Muni)	Emma Johnson, Jennifer Goodhart
38	M	Continue programs to educate employees and the organization about our waste generation, recycling, and composting rate.	Presentations to departments. Signage in kitchens.	Implemented	Civic Services	Ongoing.		Emma Johnson
39	M	Evaluate and develop green purchasing procedures	We have developed green purchasing procedures	Implemented	Civic Services / Procurement	Ongoing.	Municipal purchasing	Emma Johnson, Jamie Robinson
40 IMPROVE GREEN PURCHASING PRACTICES AND REDUCE MATERIAL CONSUMPTION IN MUNICIPAL OPERATIONS	M	Develop a strategy to reduce consumption of paper products by shifting to electronic documents and file-sharing.	Tablets for field staff and Council Online building permit plan review	Implemented	Procurement / IT	Ongoing.		Emma Johnson
41	M	Operate facilities to LEED-certified O&M standards for Materials and Resources and Indoor Environmental Quality criteria.	We buy green seal paint and cleaning products have environmental specs, but need to verify that these steps comply with LEED	Initiated	Civic Services	Verify that our operations comply with LEED for O&M		Emma Johnson

Ecosystems and Open Spaces

Goal: Repair the integrity of natural systems in and around Bellevue to the highest of standards, which will allow residents, fish, and wildlife to thrive.

42	C	Research, develop, and implement policies to reverse tree canopy loss trends and restore and maintain the function of existing wetlands.	-40% Tree Canopy target included in Comp Plan. -Partially addressed through NPDES update, which focuses on land that is being developed -Wetlands managed by city and protected by critical areas.	Initiated	ESI/Parks	Tree canopy and impervious surface assessment and action plan proposed in 2017-2018 budget	Tree canopy citywide %	Jennifer Ewing, Dan DeWald
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43 INCREASE TREE CANOPY CITYWIDE	C	Conduct gap analysis and develop specific strategies for forest canopy sub-areas and zones within Bellevue.	-Developed policies for Bridle Trails, requiring a permit for tree removal. -Included tree canopy goals in Bel-Red plan. -Proposed in ESI budget request for 2017-2018 as part of tree canopy assessment and action plan	Proposed	ESI/PCD/ DSD	-Incorporate tree canopy goals and sidewalk/planting strip requirements into sub-area planning. -Develop plans and strategies for increasing tree canopy in sub-areas and in land use zones.		Jennifer Ewing, Dan DeWald
	C	Address the loss of tree canopy on private land in Bellevue.	Partially addressed through NPDES update, which focuses on land that is being developed	Initiated	ESI / DSD	-Evaluate options for preventing additional loss on private lands, not covered by NPDES -Begin to track loss of trees on private land, through the permitting process. -Evaluate tree canopy loss through an analysis of clearing and grading permits.		Jennifer Ewing, Dan DeWald
	C	Develop a specific right-of-way (ROW) strategy to retain and increase tree canopy.	-We have conducted an inventory of trees in the ROW and in Parks.	Initiated	PCD / Transportation	-Need to identify plantable spaces for enhancing tree canopy in the ROW. -Develop a strategy for addressing tree species which are not suitable for their current location.	Trees on public lands	Jennifer Ewing, Melissa Kerson
46	C	Improve the health of existing forests and wetlands by removing invasive species, improving the health of native trees, and reducing soil compaction	15 acres/year of natural areas are proactively maintained.	Implemented	Parks	Develop an approach for proactively managing forested land on public property not maintained by Parks.	Stream habitat	Dan DeWald
47	C	Monitor and report on the health of public urban forests, stream habitat, and fish.	The City measures the health of its natural habitat through an annual Health Study	Implemented	Parks/Utilities		Salmon population	Melissa Kerson Laurie Devareaux
48	C	Conduct a coordinated outreach and education campaign for residents and businesses.	Outreach and education conducted by Stream team, Parks dept, Visitors centers, Botanical garden.	Implemented	Parks / Utilities	Outreach and education around the value of trees (KCD proposal)	Fish barriers removed	Utilities and Parks, various
49 IMPROVE ECOLOGICAL CONDITIONS FOR FORESTS, STREAMS, WETLANDS, AND WILDLIFE	C	Build, connect, and protect contiguous trails and wildlife habitat corridors.	-Native Growth Protective Area Program -Parks and Open Space Acquisition fund supports the creation of corridors to improve crossings.	Initiated	Parks / PCD	-Identify priority habitat corridors for preserving and enhancing and incorporate into departmental plans. -Partner with other jurisdictions to create a habitat corridor from Kelsey Creek to the Mercer Slough, as part of the ERC ped/bike bridge.		Dan DeWald
50	C	Create healthy stream habitats by removing stream passage barriers, adding wood and pools, reducing scouring flows, and reducing stream temperature. Resume habitat assessment monitoring according to Endangered Species Act guidelines.	Incorporated into Parks property management practices. Utilities performs annual salmon counts.	Implemented	Parks / Utilities			Laurie Devareaux
51	C	Establish a cross-departmental effort to develop an Aquatic Habitat Plan and establish clear objectives and roles for stream health.	Reporting on health of streams and fish through the BIBI Index Health of urban trees measured through the Forest Conditions Study.	Implemented	Utilities			Kit Paulson
52 IMPROVE NATURAL STORMWATER RETENTION SYSTEMS AND REDUCE CHEMICAL USE	C	Maintain and increase pervious surfaces and natural stormwater retention features throughout the City.	Addressed through updated NPDES and through proposed Green Factor requirements for downtown Bellevue	Initiated	NPDES / PCD	Proposed Green Factor for downtown, to apply to areas not covered by NPDES	Acres of wetlands	Scott MacDonald
53	M,C	Continue to ensure City and contracted staff use Integrated Pest Management (IPM) techniques, leading to reduced use of pesticides, and promote the benefits to the community.	Part of Parks Environmental Management Plan and is required by the State Dept of Agriculture.	Implemented	Parks		# of reduced pesticide and pesticide free places	Pat Harris
54	C	Preserve land for open spaces, forests, parks, and agriculture.	CAFR Reports from Parks have data on preserved open space	Implemented	Parks/PCD/ Utilities		Acres of parks and open space	

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55 SUPPORT PRESERVATION OF OPEN SPACE AND AGRICULTURE	C	Support local agriculture through partnerships and community events.	The City supports 80 p-patches and leases agricultural property to Farmer Frog, the Blueberry Farm, and the Agricultural Farm in Lake Hills. The City supports the annual Strawberry and Blueberry Festivals and provides education at these events and through the Master Gardners program and display garden.	Implemented	Parks	-Evaluate opportunities for expanding local agricultural and implementing the goals of the King County Local Food Initiative in Bellevue. -Implement a Fresh Bucks program at local farmers markets, to enable the use of SNAP funds at the markets.		
56 IMPROVE AIR QUALITY	C	Identify and reduce sources of particulate matter affecting Bellevue's air quality.	The PSCA station in Bellevue only tracks PM2.5 (fine particulate matter). Bellevue is well within EPA air quality attainment levels for PM 2.5 for 2013-2016 (with an average of 4.9 µg/m3. Attainment max is 15 µg/m3)	Initiated	PS Clean Air Agency	Determine if we need additional air quality data.	Air quality	
57	C	Reduce idling through infrastructure improvements, education, and policy.	Reducing idling through signal management	Initiated	ESI/ Transportation	Evaluate potential for a community-wide anti-idling campaign, perhaps through a partnership		