

# CLIMATE ACTION PLAN IMPLEMENTATION STATUS

Our Climate Action Plan has 90 actions spread across five focus areas to achieve our overarching goals of reducing emissions, enhancing ecosystem health and sequestration, and increasing resilience and preparedness. This table lists progress we have made on each individual action in the Plan.

- Complete
- In progress/Ongoing
- Not started/On hold

Action	Timeline	Status	2023 Activities
<b>TRANSPORTATION &amp; MOBILITY</b>			
<b>Strategy TM1: Reduce community-wide driving</b>			
<b>TM 1.1</b> <b>Increase density and walkability</b> Study and implement land use and transportation policies to increase density, increase walkability, and encourage business development so that basic and desirable amenities are available by walking from more residences.	Ongoing, Long term	○	City Council adopted <b>cottage housing regulations (Ord. 984)</b> , which increases density, supply, and variety of housing options in Shoreline. They also adopted new rules that require multifamily developments in certain zoning districts to include <b>ground-floor commercial spaces</b> . This creates a vibrant, walkable community where residents can access more businesses and services closer to where they live. Finally, they adopted new policies that shift how we evaluate our transportation system. When evaluating if our transportation investments are keeping up with Shoreline's growth and development, we will now look at how many trips people take to understand impacts on our transportation system (whether walking, biking, on transit, or in cars) instead of just how many car trips are impacting our roads. For developers that build in ways that encourage people to use alternatives to driving alone, we continued to provide financial incentives in the form of reduced <b>transportation impact fees</b> .
<b>TM 1.2</b> <b>Increase street and pathway connectivity</b> Increase street and multimodal connectivity where it supports the City's connectivity objectives. Identify funding and acquire midblock right-of-way and street connections to increase multimodal connectivity in the Candidate Countywide Centers (148th St. Station Area, 185th St. Station Area, Shoreline Place, and Town Center).	Short/Medium term	●	Completed citywide Connectivity Study that identified where there are opportunities to make revisions to the street network to enhance connectivity for people walking, biking, and navigating the transportation system.
<b>TM 1.3</b> <b>Support transit-oriented development</b> Continue to encourage transit-oriented development that incorporates affordable housing through land use and transportation policies and infrastructure. Partner with transit agencies and private developers to encourage redevelopment of Park and Ride locations for transit-oriented development projects that incorporate affordable housing.	Ongoing	●	Continued collaboration with King County Metro on a feasibility study for transit-oriented development at the 192nd Park and Ride. We also issued building permits for four transit-oriented development multifamily buildings totaling 1,417 dwelling units.
<b>TM 1.4</b> <b>Reduce demand for parking</b> Continue to study and implement policies that reduce demand for parking in mixed-use and commercial centers and encourage transportation modes other than driving. Focus especially on limiting off-street, surface parking to reduce urban heat.	Ongoing, Medium term	●	City Council updated the zoning code to allow reduced parking requirements in the light rail station area for projects that build in ways that encourages people to use alternatives to driving alone. City Council also waived parking requirements for businesses in apartment buildings, encouraging people to walk, bike, or take public transit to these businesses.
<b>TM 1.5</b> <b>Reduce car trips from multifamily residents</b> Continue to incentivize Travel Demand Management (TDM) strategies to reduce car trips from residents at new multifamily developments through the Deep Green Incentive Program. Explore and implement options to increase TDM incentives and requirements for new development.	Ongoing, Short term	●	Continued to incentivize Travel Demand Management (TDM) strategies to reduce car trips from residents at new multifamily developments through the Deep Green Incentive Program.
<b>TM 1.6</b> <b>Complete the pedestrian and bicycle network</b> Fund and implement a connected network of safe, comfortable, welcoming, and low-stress bicycle facilities, sidewalks, and trails for pedestrian and bicycle travel that connects to schools, commercial destinations, transit stops, and essential services. Identify funding opportunities for bicycle infrastructure.	Ongoing, Long term	●	Started construction of Phase 1 of the <b>148th Non-Motorized Bridge Project</b> and other street and bicycle/pedestrian improvements in coordination with Sound Transit. Construction on <b>Meridian Avenue N Safety Improvements Project</b> (N 155th Street to N 175th Street) was approved. The project enhances safety at pedestrian crossings, adds bicycle lanes, and modifies lane configuration. Safety improvements include flashing lights for pedestrian crossing, restriping for bike lanes in each direction, and new left turn pockets.
<b>TM 1.7</b> <b>Reduce commute trips by business employees</b> Enhance and expand the City's Commute Trip Reduction (CTR) Program to encourage and require CTR activities across the city for major employers and within the City for internal employees. Possible strategies could include ridesharing programs, carpool matching, telecommuting, and employer-sponsored vanpools.	Short term	●	Conducted a survey and analyzed commute trip reduction activities at major employers in Shoreline. Reviewed commute trip reduction activities at the City to identify other ways to encourage employees to consider commute options other than driving alone.
<b>TM 1.8</b> <b>Create mobility hubs</b> Create shared-use mobility hubs to enhance cross-community travel by transit, ride-share, electric vehicles, bike-share, and scooter-share and any means other than driving a traditional gas/diesel vehicle alone.	Medium term	●	Conducted research to support the implementation of shared-use mobility hubs and outline a scope for working with the community to advance concept plans for 2-4 sites in the City (to be completed in 2024).

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TM 1.9	<b>Provide shared-use electric bicycle or scooter programs</b> Partner with King County or other cities to pilot electric bike- or scooter-share programs. Partner with community groups to pilot an e-bike library where bikes are available to low-income community members without requiring smartphone technology and a credit card to access.	Short term	●	Conducted research on scooter- and bike-share programs and began updating the City code to be able to pilot a shared-use electric scooter- and bike-share program. We anticipate launching this shared-use program in summer/fall 2024.
TM 1.10	Expand transit service and access Partner with Metro Transit, Sound Transit, Community Transit and/or WSDOT to increase transit service and access to encourage greater ridership. Improve cross-city transit connections, especially to the new light rail stations, explore flexible micro-transit service. Expand subsidized or discounted transit programs and increase education to encourage greater use of them.	Ongoing, Medium term	●	Continued to work with King County Metro and Community Transit on restructuring bus service to align with light rail service opening in 2024. The service restructure will be adopted in early 2024.
TM 1.11	<b>Increase bicycle parking infrastructure</b> Conduct a citywide bicycle parking inventory and increase bicycle parking, especially near businesses and amenities. Provide public and/or employee bicycle parking at all City facilities.	Short/medium term	●	Completed an assessment of possible bicycle parking code updates. City Council will consider updated bike parking requirements in 2024.
TM 1.12	<b>Provide bicycling education programs</b> Host cycling education and encouragement programs in support of achieving Silver-level Bicycle-Friendly Community certification.	Short term	●	Delivered bicycle education activities via our employee Green Team.
TM 1.13	<b>Provide rebates for electric bicycles</b> Incentivize e-bike ownership through a bulk purchase or rebate program.	Short term	○	
TM 1.14	<b>Regional road usage fees</b> Explore and advocate for regional road usage fees and regional pricing strategies for parking.	Medium/Long term	○	
<b>Strategy TM2: Accelerate electric vehicle (EV) adoption</b>				
TM 2.1	<b>Encourage electric vehicle car-sharing</b> Partner with regional jurisdictions and businesses to provide an EV car share program in the community.	Short term	●	Conducted engagement with an electric vehicle car share operator to expand on upcoming service to be launched in 2024.
TM 2.2	<b>Community education about electric vehicles</b> Provide community education and outreach to increase EV adoption and promote existing incentives for EV purchases.	Short term	○	
TM 2.3	<b>Support electrification of partner vehicle fleets</b> Secure grant funding or update contract provisions to support fleet electrification by schools, businesses, utility, and transit partners such as Shoreline School District, North City Water District, and Recology.	Medium term	○	
TM 2.4	<b>Provide rebates for electric vehicle purchases</b> Work with the State, Seattle City Light, and regional jurisdictions to offer more rebates and incentive programs for residents and businesses that purchase EVs. Partner with regional jurisdictions and local businesses to increase access to rebates.	Short term	○	
TM 2.5	<b>Increase EV charging infrastructure installed in new buildings</b> Strengthen our existing EV-ready ordinance to increase the percentage of required EV-ready stalls for new buildings. Consider requiring installation of a minimum number of charging stations in addition to electrical capacity for all new multifamily residential and commercial construction and during major renovation of parking lots/structures.	Short term	●	Prepared to adopt updated EV-readiness codes as part of the 2021 Washington State Energy Code in spring 2024, and aligned parking requirements in the development code.
TM 2.6	<b>Install public charging stations in strategic locations</b> In alignment with regional efforts through WSDOT and Seattle City Light, expand the public EV charging network by assessing gaps and supporting installation of charging stations for public use on business, institutional, City, and utility properties in key areas. Install charging stations for public use at City facilities open to the public such as parks and recreation centers wherever feasible.	Short/medium term	●	Completed an <b>EV charging feasibility study</b> to identify where the City should prioritize installing public EV charging to fill in gaps in the charging network and address barriers to EV adoption for residents who don't have access to at-home charging. Findings will be used to inform the installation of accessible, public EV chargers across the city.
TM 2.7	<b>Encourage charger installation in existing buildings</b> Provide education, incentives, and technical assistance to encourage building owners to add EV charging infrastructure, especially in multifamily and affordable housing buildings.	Short term	●	Established a procedure to streamline permit review for retrofits at commercial properties and cross-train review staff.
TM 2.8	<b>Electrify the City fleet</b> Purchase and deploy make-ready Battery Electric Vehicles (BEVs) to transition the City's vehicle fleet to electric by 2030 for all operationally feasible vehicles. As needed, delay purchasing replacement vehicles until BEV options are available and affordable. If BEVs are not available for necessary replacements, consider plug-in hybrid options.	Ongoing	●	Developed an implementation and funding plan for fleet electrification utilizing recommendations from a Seattle City Light study performed in 2022-2023. Purchased an electric vehicle to add to the City fleet. Actively seeking electric or hybrid options when making additional vehicle purchases.

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TM 2.9	<b>Electrify the City's heavy-duty vehicles and equipment</b> Replace the City's heavy-duty vehicles with electric options where operationally feasible. Alternative low-emission fuels may be considered if electric options are not operationally feasible.	Medium term	○	
TM 2.10	<b>Increase charging infrastructure at City facilities</b> Increase electrical capacity and charging infrastructure at City facilities to ensure adequate capacity for fleet and employee EV charging.	Short/Medium term	○	
TM 2.11	<b>Electrify the City's off-road equipment</b> Replace City gasoline or diesel-powered off-road equipment (blowers, mowers, chainsaws, generators, etc.) with electric models as operationally feasible.	Ongoing, Medium term	◐	Used and continued to analyze the effectiveness of the <b>electric mower</b> the City purchased in 2022. Continued to evaluate the use of smaller battery-operated landscape tools like backpack blowers, chain saws, line trimmers, and other tools of the trade.
TM 2.12	<b>Electrify leaf blowers and off-road equipment</b> Study and implement policies to ban the use of gas-powered tools and equipment throughout the City, such as leaf blowers or non-riding lawn mowers, requiring that electric models be used instead.	Short term	○	

## BUILDINGS & ENERGY

### Strategy BE1: Electrify space and water heating for new and existing buildings.

BE 1.1	<b>Encourage new homes to be all-electric</b> Provide education, technical assistance, and incentives to encourage and incentivize construction of all-electric new single-family homes. Possible incentives include reduced permit fees, additional development benefits, property tax exemptions, and/or rebates.	Short term	○	
BE 1.2	<b>Advocate for local control of energy code</b> Advocate for legislative changes to allow local updates to the Residential Provisions of the Washington State Energy Code so the City can require residential building electrification and increase energy efficiency for new residential construction.	Ongoing	○	Continued to monitor the issue to advocate for local control.
BE 1.3	<b>Provide a home electrification program</b> In collaboration with utilities and local jurisdictions, develop a residential home energy program to provide education, technical assistance, and financial assistance to replace gas and oil heating systems with electric heat pumps, improve home efficiency, and install renewable energy systems. Options include a rebate program, bulk-purchase retrofit campaign, or other financing mechanism. Prioritize low and middle-income households for assistance and incentives.	Short term	◐	Developed and hosted a three-part educational series about home electrification, induction stoves, and solar panels in partnership with Lake Forest Park and Kenmore. Created a City webpage dedicated to home electrification to share updates and information on available incentives: <a href="https://www.shoreline.wa.gov/GoElectric">ShorelineWA.gov/GoElectric</a> .
BE 1.4	<b>Identify funding sources for building electrification</b> Explore and develop funding sources to support building electrification programs and discourage fossil-fuel use. Explore both grant funding and local taxes on fossil-fuel sources to fund electrification and weatherization assistance for low- and middle-income households.	Short term	◐	Researched and applied for grant funding. 2024 is the year in which federal rebates for electrification will pass through to states/cities.
BE 1.5	<b>Provide incentives for electric appliances</b> Coordinate with utilities and regional partners to provide incentives for replacing gas and propane appliances in homes, businesses, and apartments with efficient, electric options.	Short term	○	
BE 1.6	<b>Support electrification of commercial and multifamily buildings</b> Promote existing financing mechanisms and incentives to convert gas and oil heating systems at commercial and multifamily buildings to electric space and water heating at low upfront cost. Partner with regional utilities and jurisdictions to provide technical assistance and outreach to building owners to encourage electrification. Develop new incentives as needed with a focus on low and middle-income residential buildings. Pair electrification measures with efficiency retrofits and renewable energy installation.	Short/Medium term	○	
BE 1.7	<b>Require large buildings to reduce emissions</b> Study and implement emissions-based building performance standards to reduce fossil-fuel use in commercial and multifamily buildings larger than 20,000 square feet. Standards should complement benchmarking and performance requirements under the State Clean Buildings Act and be accompanied by technical assistance for building operators.	Short term	○	
BE 1.8	<b>Support job training</b> Partner with educational institutions to provide job training for electric heat pump system installation and energy efficiency retrofits.	Medium term	○	

	Action	Timeline	Status	2023 Activities
<b>BE 1.9</b>	<b>Electrify City facilities</b> Replace existing natural gas heating systems with electric systems at all City facilities at time of major renovation or replacement, with a goal of electrifying heating systems at remaining facilities by 2030. Include efficiency retrofits and solar PV installation in retrofits/remodels where feasible to offset energy costs.	Medium term		Began construction on a new Ballinger Maintenance Facility, which will be all-electric. For other facilities, we continued to consider electric options as heating systems require replacement.
<b>Strategy BE2: Increase energy efficiency of new and existing buildings.</b>				
<b>BE 2.1</b>	<b>Improve energy efficiency of new large buildings</b> Adopt local amendments to the Commercial Provisions of the 2021 Washington State Energy Code that increase energy efficiency.	Ongoing		
<b>BE 2.2</b>	<b>Support energy efficiency projects at large buildings</b> Promote existing financing and incentive programs such as King County's C-PACER program, the Clean Building Accelerator, NEEC's Building Operator Certification, state grants, or the Early Adopter Incentive Program, for energy efficiency retrofits at large commercial/multifamily buildings and schools.	Short/Medium term		
<b>Strategy BE3: Increase renewable energy generation and access.</b>				
<b>BE 3.1</b>	<b>Incentivize solar or renewable energy installations</b> Provide incentives for installation of on-site renewable energy systems on residential and commercial buildings and for community solar projects (projects that allow community members to purchase a portion of the renewable energy produced from solar installations on large buildings). This could include streamlined permitting, development benefits, rebates, or bulk-purchasing program. Focus on increasing access to renewable energy by low-income households.	Short/Medium term		
<b>BE 3.2</b>	<b>Increase requirements for new buildings to include solar panels</b> Adopt local amendments to the commercial provisions of the WSEC that encourage on-site renewable energy systems for new commercial and multifamily buildings.	Short/Medium term		
<b>BE 3.3</b>	<b>Support renewable energy at affordable housing projects</b> Provide resources, assistance, and financing for new affordable housing to be net zero energy (a building that produces enough renewable energy to meet its own annual energy consumption).	Short/Medium term		
<b>BE 3.4</b>	<b>Support biogas pilot projects</b> Support development of local and regional biogas resources, including anaerobic digestion of food scraps.	Medium Term		
<b>Strategy BE4: Support affordable green buildings that conserve water and protect habitat.</b>				
<b>BE 4.1</b>	<b>Increase requirements for sustainable building practices</b> Adopt local amendments to the Washington State Building Code Council that encourage sustainable building practices such as water efficiency, rain and greywater harvesting and reuse, efficient system designs, use of low-carbon materials, and green stormwater infrastructure.	Ongoing		
<b>BE 4.2</b>	<b>Green building policy for City buildings</b> Develop a green building policy for City facilities and capital improvements that includes minimum energy efficiency standards and use of low-embodied carbon materials.	Short term		
<b>BE 4.3</b>	<b>Expand incentives for sustainable building practices</b> Evaluate the City's Deep Green Incentive Program to identify opportunities to expand participation and support further decarbonization, water and energy efficiency, habitat protection, and climate resilience.	Ongoing		
<b>ZERO WASTE</b>				
<b>Strategy ZW1: Reduce per capita waste generation, especially wasted food.</b>				
<b>ZW 1.1</b>	<b>Provide community programs to reduce waste</b> Continue utilizing grant funding to provide waste reduction programs and education for the community with a focus on food waste prevention. Options include enhancing local food rescue and donation network, expanding King County's "Repair Café" program, supporting tool libraries, or other community-based activities to reduce waste.	Ongoing		Received grant funding to support the opening and operation of the Shoreline Tool Library. We also received funding to launch an education and outreach campaign around new food packaging rules that reduce single-use plastic use at food service businesses (outreach to begin in 2024).
<b>ZW 1.2</b>	<b>Participate in regional zero waste efforts</b> Implement key strategies from King County's RE+ plan to achieve zero waste of resources with economic value by 2030.	Short/Medium term		<b>Received a Re+ City Grant</b> to support the launch and operation of the Shoreline Tool Library, which helps reduce consumption, supports a reuse economy, and contributes to zero waste of resources.

	Action	Timeline	Status	2023 Activities
ZW 1.3	<b>Support food rescue networks</b> Utilize grant funding to support and enhance local food rescue and donation networks that connect excess food with those needing food.	Short/Medium term	○	
ZW 1.4	<b>Develop a deconstruction ordinance</b> Work with regional partners to develop and implement a deconstruction ordinance requiring reusable materials to be salvaged before buildings are demolished for new construction.	Short term	○	
ZW 1.5	<b>Waste reduction in City operations</b> Identify opportunities for waste reduction and supply reuse/donation in City operations. Switch to digital for all internal and external paper use where feasible.	Ongoing, short term	◐	Implemented an all-electronic process for City contracts to reduce paper usage.
ZW 1.6	<b>City sustainable purchasing</b> Support internal implementation of the Environmentally Preferable Purchasing Policy through training of City staff on waste reduction and sustainable procurement practices, toxic chemical reduction, and low-carbon procurement.	Short term	◐	Continued to train staff on and implement the policies outlined in our City Environmentally Preferred Purchasing Policy; researched and used sustainable and environmentally preferred products where possible.
ZW 1.7	<b>Reduce single-use plastic food service items</b> Implement programs and policies to reduce the use of single-use food serviceware, especially plastic and expanded polystyrene foam (Styrofoam™).	Short term	◐	City Council <b>passed new rules</b> that require food service businesses to use reusable serviceware for onsite dining and compostable products for takeout and to-go orders. Education and outreach on these new rules will begin in early 2024.
ZW 1.8	<b>Explore every-other-week garbage collection</b> In support of King County's Re+ plan, explore solid waste service models that incentivize waste reduction and diversion, such as every-other-week garbage collection.	Short/medium term	○	
<b>Strategy ZW2: Increase diversion rates and access to recycling and composting services.</b>				
ZW 2.1	<b>Require compost and recycling service at business and multifamily properties</b> Require recycling and compost service for businesses and multifamily properties and provide technical assistance to help businesses and multifamily properties compost successfully. Implement compost requirements for food businesses in accordance with HB 1799.	Short term	○	Work to implement compost requirements for businesses in alignment with the Organics Management Law will begin in 2024.
ZW 2.2	<b>Ban food waste and recyclables from the garbage</b> Study and implement source separation requirements for basic recyclable materials, compostable paper, and food waste for residential and commercial generators.	Short/medium term	○	
ZW 2.3	<b>Community food waste drop off</b> Provide drop-off locations for residential food waste on a pilot basis.	Short term	○	On hold if pursuing mandatory compost requirements (ZW 2.1).
ZW 2.4	<b>Provide equitable recycling and composting education</b> Provide education, technical assistance, and resources to encourage food scrap composting by residents, businesses, and other key audiences. Ensure equitable access to waste education through multilingual and targeted, culturally relevant campaigns and resources.	Short term	◐	Partnered with Recology to provide multilingual technical assistance, resident education, and incentives to bring recycling and composting services to businesses and <b>multifamily properties</b> . Distributed over 600 compost kits to help residents compost their kitchen food scraps. The project will continue into 2025.
ZW 2.5	<b>Support anaerobic digestion pilot projects</b> Explore the feasibility of small scale, distributed anaerobic digestion facilities and local use of fuels and by-products. Support and coordinate pilot projects.	Medium term	○	
ZW 2.6	<b>Expand special item recycling services</b> Use grant funding to expand special item recycling services for key materials such as polystyrene foam and plastic film. Increase equitable access to these services by providing education and technical assistance for key audiences.	Short/medium term	◐	Used grant funding to launch <b>plastic bag/wrap</b> , Styrofoam™, and <b>battery recycling</b> programs at City facilities and multifamily properties. Provided education and technical assistance on how to responsibly dispose of specialty items.
ZW 2.7	<b>Support extended producer responsibility systems</b> Advocate for federal or state legislation to create extended producer responsibility systems for consumer packaging and other key materials.	Short/medium term	◐	Engaged in ongoing advocacy via the State legislature.
ZW 2.8	<b>Increase recycling and composting at City facilities</b> Ensure all City facilities have recycling and/or composting containers for both public and staff use, as appropriate. Enhance employee education on site specific recycling and composting practices.	Short term	◐	Provided education on recycling and composting via the City's employee Green Team, a City staff team that supports and leads internal sustainability projects and improvements.

## ECOSYSTEMS & SEQUESTRATION

### Strategy ES1: Maintain and increase tree canopy and urban forest health.

	Action	Timeline	Status	2023 Activities
ES 1.1	<b>Create nature patches</b> Inventory areas within City parks where degraded non-forest habitat, lawn areas, or other under-used areas can be converted to forest habitats. Identify the most promising sites to increase tree canopy and implement planting projects.	Medium term		Launched a <b>restoration project at South Woods Park</b> to remove invasive plants and construction debris and convert the area to a forest habitat.
ES 1.2	<b>Expand forest restoration efforts</b> Continue to expand the acreage in Parks under ecological restoration through the Green Shoreline Partnership and regional carbon credit programs.	Medium term		Expanded the <b>Green Shoreline</b> volunteer-led ecological restoration program into two new City parks – Boeig Creek and Ridgecrest. Onboarded new volunteer Park Stewards to help lead restoration efforts at these parks.
ES 1.3	<b>Expand street tree planting</b> Complete an inventory of citywide street tree assets to assess replanting needs and identify key sites available to plant additional street trees. Identify planting opportunities in areas with documented urban heat island effects or environmental health disparities and conduct focused street tree planting efforts in these areas.	Short/Medium term		Continued our inventory of City right-of-way trees. Ongoing street tree plantings by City staff. Piloted a right-of-way street tree planting program with residents in neighborhoods with suitable planting strips.
ES 1.4	<b>Increase urban forestry funding</b> Increase staff resources and funding for urban forestry activities including restoration, planting, and maintenance. Explore the creation of a dedicated staff restoration crew and plant nursery for street and park planting projects.	Short/Medium term		<b>Received \$1 million in grant funding</b> to expand and enhance our urban forestry program over the next five years. The \$1 million grant is in addition to \$2.76 million in matching funds the City is putting forward for this work for a total of \$3.76 million.
ES 1.5	<b>Climate resilient parks design</b> Include landscape features and amenities that increase tree canopy, carbon sequestration potential, and climate resilience in the design of Parks projects and City facilities.	Ongoing		Utilized the Climate Impacts Tool for Parks Bond Projects design. Incorporated climate resiliency policies and goals in the Parks, Recreation, Open Space, and Arts Plan update (to be adopted in 2024).
ES 1.6	<b>Acquire parks and open spaces</b> Continue to utilize park bond, grant, and conservation funding programs to acquire and preserve properties for use as parks and natural areas. Consider habitat value, biodiversity, equity, and climate resilience when prioritizing open space acquisitions.	Ongoing		Completed the purchase of five properties totaling 1.8 acres to add to the City's park system - West Echo Lake, property adjacent to Hillwood Park, property adjacent to Twin Ponds Park, property adjacent to Ronald Bog Park, and property congruent to Rotary Park – and awarded Conservation Futures Tax (CFT) grants totaling \$2.3 Million for property acquisitions
ES 1.7	<b>Update street tree list and planting practices</b> Review and update the street tree list, Green Stormwater Infrastructure planting requirements, and planting practices to ensure new plantings are resilient to climate change impacts, to expand urban forest canopy, and to maximize sequestration and urban heat mitigation. For example, consider sourcing plant material from nurseries in hotter and drier areas to increase survivability with increasing summer temperatures for City planting projects.	Short term		Completed the <b>2023 Urban Forest Strategic Plan</b> update which includes goals to update the street tree list and include more climate-ready tree species.
ES 1.8	<b>Utilize forest carbon credits</b> Offset remaining emissions from municipal operations by 2030 using carbon credits generated through local forestry projects.	Medium/Long term		
ES 1.9	<b>Develop a community tree planting program</b> Develop a program to provide trees for planting at schools, churches, institutions, businesses, or residential properties in Shoreline along with training in tree planting and care focusing on identified urban heat islands and environmental health disparity areas.	Short term		Expanded the <b>Communi-trees</b> program to provide 130 trees for planting at residential properties, apartment and condo complexes, businesses, schools, and churches at no cost, with 40% of the trees planted in areas with the greatest need. Provided targeted outreach to residents in areas with the greatest need for trees using the <b>Tree Equity Score</b> web tool.
ES 1.10	<b>Provide community education on tree protection</b> Provide education and resources for private property owners and arborist companies to encourage tree retention, care, and planting of additional trees on private property. Consider promoting habitat certification programs, conservation easements or other conservation programs to encourage protection of existing natural areas on private and institutional property.	Short/Medium term		Received grant funding from King Conservation District and the United States Department of Agriculture's Forest Service to expand community education efforts on tree protection and provide enhanced technical assistance and education on tree plantings for private property owners.
ES 1.11	<b>Increase tree protection requirements during development</b> Identify opportunities to increase tree retention and canopy cover on private property during development, especially in areas with documented urban heat impacts or environmental health disparities and implement recommendations. Segue with efforts to increase climate resilience in urban design standards below.	Short term		
ES 1.12	<b>Fund habitat projects on private property</b> Adapt the City's Environmental Mini Grant and Soak It Up programs to support the creation of habitat features that enhance stormwater management and carbon sequestration at schools, churches, and other large, privately- owned open spaces in the City. Include educational features in projects where possible.	Short/Medium term		Provided 11 <b>Soak It Up rebates</b> to help home or business owners install a rain garden or native vegetation landscaping on their property. These features are part of a natural approach to managing rainwater flows and help recreate a forest-like environment in our city by allowing rainwater to soak into the soils and return to groundwater resources and waterways naturally.
ES 1.13	<b>Enhance tree-related code enforcement</b> Increase monitoring and enforcement of survivability for trees planted during private development.	Short term		

**Strategy ES2: Increase soil sequestration in natural and landscaped areas.**

	Action	Timeline	Status	2023 Activities
ES 2.1	<b>Increase requirements for compost usage in new construction</b> Study and implement requirements that increase compost use for soil amendment in private development and City projects. Pilot the use of biochar and mycelia-inoculated compost mixes to increase soil health in City projects.	Short term	○	
ES 2.2	<b>Provide community compost education and resources</b> Provide education and a bulk purchase program to encourage compost use as a soil amendment in private landscapes at schools, businesses, churches, homes, and other private property in the city.	Short term	◐	Provided education on compost use at natural yard care workshops, through the <b>Soak It Up</b> rebate program, and at the <b>Communi-trees</b> Tree Planting & Care Workshops.

## COMMUNITY RESILIENCE & PREPAREDNESS

### Strategy CRP1: Ensure that new buildings, land use decisions, and public infrastructure improvements increase resilience to current and future climate impacts.

CRP 1.1	<b>Expand Climate Impacts Tool usage</b> Continue to implement recommendations from the Climate Impacts & Resiliency Study, including use and refinement of the Climate Impacts tool to inform planning of City capital improvements and development of land use policies. Develop a process to regularly update data on climate-related vulnerabilities including urban heat, surface water vulnerabilities, and environmental health disparities.	Short term	◐	Updated the Comprehensive Plan, the Parks, Recreation, Open Space and Arts Plan, the Surface Water Master Plan, the Transportation Master Plan, and the Urban Forest Strategic Plan to incorporate policies that increase climate resiliency. Updated project descriptions in the Transportation Master Plan to incorporate climate resiliency. Ongoing efforts to use the Climate Impacts Tool during the project lifecycle to inform project design and implementation.
CRP 1.2	<b>Develop recommended design practices for urban heat</b> Develop a list of recommended design practices for private development and City capital projects to increase resilience to urban heat impacts and surface water vulnerabilities and update regularly based on best available science. Practices may include trees, green stormwater infrastructure, reduced impervious surface area, cool roofs, green corridors, or high-albedo pavement.	Short term	○	
CRP 1.3	<b>Climate resilient urban design standards</b> Review and update codes and design standards to increase citywide resilience to climate change. For example, modify design standards to encourage reduced impervious surfaces, retention of mature trees, increased tree planting, and increased green stormwater infrastructure on private property and in the City right-of-way during development. Consider specific requirements for development in areas with identified urban heat impacts, surface water vulnerabilities, or environmental health disparities.	Short term	○	
CRP 1.4	<b>Increase incentives for resilience retrofits</b> Increase incentives and promotion of green stormwater and urban forest retrofits on developed properties, with emphasis on areas prone to urban heat and flooding or identified environmental health disparities. Segue with related urban forest efforts.	Short/Medium term	○	
CRP 1.5	<b>Community "nature-scaping" education</b> Provide more support and education to encourage private landowners to adapt to and mitigate climate change via "nature-scaping," natural yard care, green stormwater retrofits, and habitat restoration on their property (see CRP 1.4 and ES 1.12 above).	Short/Medium term	◐	Received grant funding to provide a natural yard care workshop series covering topics from growing summer berries to gardening with native plants. Partnered with King County Master Gardeners to deliver education about minimizing and eliminating the use of pesticides, herbicides, and other chemicals.

### Strategy CRP2: Strengthen community and municipal emergency preparedness in consideration of predicted climate impacts such as extreme heat, flooding, wildfire smoke, and drought.

CRP 2.1	<b>Provide preparedness resources for heat, wildfire smoke, and flooding events</b> Increase equitable access to emergency preparedness resources for vulnerable populations and areas, especially those related to flooding, extreme heat, and wildfire smoke. Develop and distribute tools and resources for the community to stay safe during extreme heat or wildfire smoke events. For example, consider providing filter-fan kits for vulnerable populations.	Short term	◐	Attended two outreach events to invite community members to join the Community Emergency Response Team (CERT) and onboarded an additional 15 volunteers. We provided education and resources at CERT meetings.
CRP 2.2	<b>Address climate impacts in emergency preparedness planning</b> Collaborate with Emergency Management staff to identify gaps in emergency management services, City operations, and planning related to climate impacts.	Short term	◐	Drafted a process to update 13 different emergency management plans over the course of 5 years. During this process, we will identify gaps and address them in the plan updates.
CRP 2.3	<b>Provide community cooling centers</b> Develop a plan to provide community cooling centers for extreme heat events in partnership with local community groups and organizations.	Short term	○	
CRP 2.4	<b>Create neighborhood resilience hubs</b> Assist Emergency Management staff to support development of neighborhood resilience hubs and community resource mapping efforts. Resilience hubs are existing community-serving facilities that are enhanced to support residents and coordinate resource distribution and services before, during, or after a natural hazard event.	Short/Medium term	○	

	Action	Timeline	Status	2023 Activities
<b>CRP 2.5</b>	<b>Increase access to garden space</b> Support the creation of community gardens and increase access to community garden space, especially for low-income, immigrant, and other vulnerable populations.	Ongoing, Medium term	○	
<b>CRP 2.6</b>	<b>Increase shelter and housing services</b> Continue to increase shelter services and affordable housing to reduce exposure to extreme heat and wildfire smoke.	Ongoing, long term	●	Supported a new <b>North King County Severe Weather Shelter</b> , led by the King County Regional Homelessness Authority (KCRHA) and the cities of Shoreline, Lake Forest Park, Kenmore, Bothell, and Woodinville. Two projects, through the City's <b>Multifamily Property Tax Exemption Program</b> , received their final certificates of tax exemption, bringing 104 additional units into the MFTE program; an additional 213 received their conditional certificates.
<b>Strategy CRP3: Increase community awareness of climate change impacts and mitigation and support community-based efforts that increase resilience.</b>				
<b>CRP 3.1</b>	<b>Provide mini-grants for community climate projects</b> Focus our Environmental Mini-Grant program exclusively on projects that either reduce GHG emissions or build community climate resilience and increase funding for community-driven projects.	Short term	●	Updated our priority areas for the <b>Environmental Mini-Grant program</b> to align more closely with our Climate Action Plan targets and strategies. However, total funding available for community-based projects remained the same.
<b>CRP 3.2</b>	<b>Provide community education on climate action</b> Provide community-based education and engagement activities to increase awareness of climate impacts and opportunities for action.	Ongoing	●	Funded two <b>Environmental Mini-Grant</b> and 11 <b>Soak It Up</b> projects that provided community-based education on climate action and awareness.
<b>CRP 3.3</b>	<b>Create a community task force</b> Create a community task force to guide CAP implementation and increase community ownership and participation and build partnerships with community organizations, businesses, and other groups.	Short term	○	Shifted our focus to create an internal Climate Action Team to track Climate Action Plan implementation efforts across City departments.
<b>CRP 3.4</b>	<b>Create a community ambassador program</b> Create a neighborhood and youth ambassador program to train and give people the tools and resources to work with their peers to implement many of the actions identified in this plan and create green job training opportunities for youth from frontline communities.	Short term	○	