



Environmental Stewardship Plan Draft for Public Comment



Stewardship is a core value for the City of Bellevue. We recognize that environmental stewardship is intrinsic to a healthy economy, healthy communities, and a healthy planet. With the Sustainable Bellevue: Environmental Stewardship Plan, we commit to act, boldly and aggressively, to ensure Bellevue is a healthy, livable, sustainable, and prosperous “City in a Park” for decades to come.

The ambitious approaches Bellevue will take to environmental stewardship are more important—and more feasible—than ever: the increasing pace of the climate crisis and the vulnerabilities to our vital infrastructure and services exposed by COVID-19 and the racial justice movement have demonstrated that rapid social change is possible, even for complex systemic challenges.

Bellevue’s future is one where people travel together instead of on their own, where homes and businesses are powered by clean renewable energy, where less waste clutters the streets, and everyone is just a few minutes’ walk from a park, trail, or green space. This clean, healthy, community-focused future also means Bellevue will be doing its part to stem the global climate crisis, achieving a drastic, 80 percent reduction in greenhouse gas emissions by mid-century.

This plan is a strategic roadmap built on our past environmental stewardship successes and the expertise and input of more than 1,000 residents, city staff, community leaders and stakeholders. Through two surveys taken by over 800 people, two community workshops, six community pop-up events, and workshops with sustainability leaders and city staff, those who participated in the plan’s development shaped it from the beginning: their priorities, concerns, values, and vision for a sustainable Bellevue drove how ambitious our targets became, which strategies we selected to meet those ambitious targets, what criteria we used to evaluate potential actions, and ultimately, the final product you see here. Across engagement methods, participants overwhelmingly viewed environmental stewardship as good for the community and good for business, and voiced support for ambitious action across all five sectors in this plan. As a result, we have chosen bold or leading-edge approaches for every sector, making Bellevue not only a “City in a Park”, but a city to watch as a sustainability leader.



OUR FUTURE

Our future is one where...

And to get there, we will



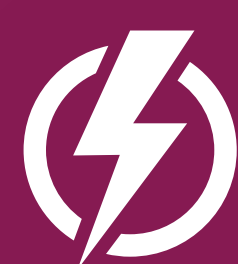
We will reduce GHG emissions by 80% and prepare for a changing climate.

- ← Perform a climate vulnerability assessment
- ← Continue to participate in regional partnerships to achieve shared climate goals
- ← Advocate for state-level policies and funding
- ← Prioritize investments in historically underserved and underrepresented communities
- ← Perform an environmental equity assessment



100% of vehicles will be electric, and when we commute, we will drive alone less than 45% of the time.

- ← Explore creating a sustainable district
- ← Install EV charging infrastructure
- ← Support cleaner fuels and vehicles through a Clean Fuel Standard and fuel efficiency standards
- ← Accelerate and increase investments in multi-modal travel such as bicycle, pedestrian, and transit infrastructure improvements
- ← Enhance livability of Bellevue's neighborhoods, by increasing amenities in walking distance
- ← Support commute trip reduction and evaluate parking needs as commuting patterns change



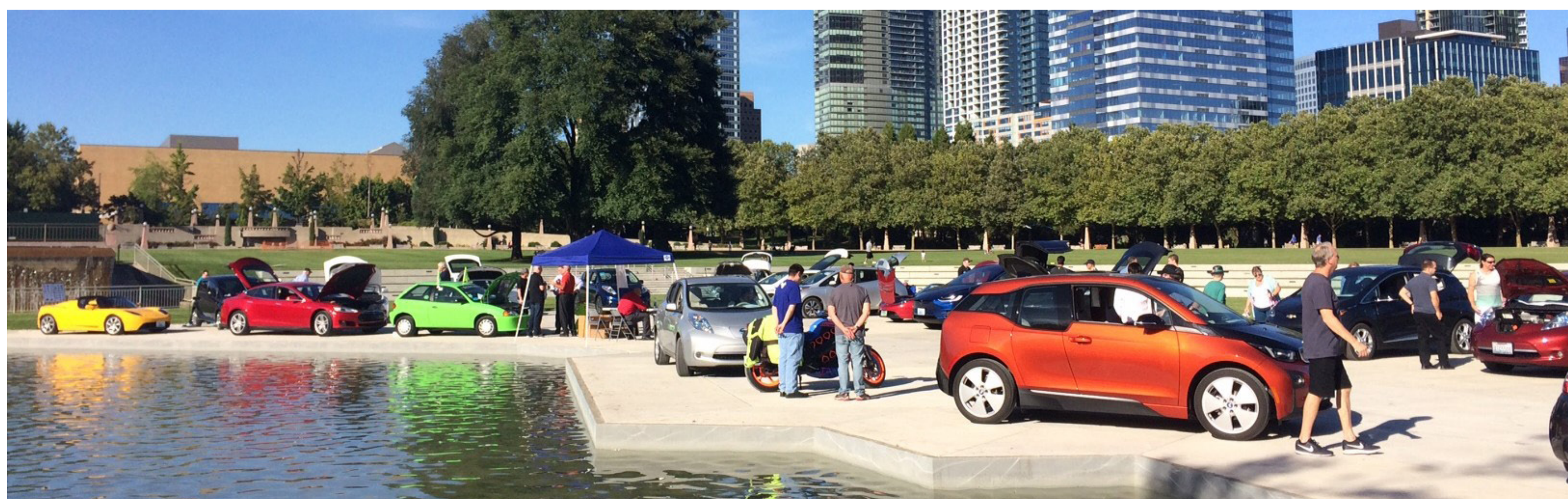
We will use 45% less energy, and the energy we do use will be 100% renewable.

- ← Support implementation of Washington State's Clean Energy Transformation Act
- ← Expand green building and rooftop solar, for example through streamlined permitting, code changes, building incentives, green affordable housing, and relaunching the Solarize campaign
- ← Increase energy efficiency through home energy retrofits, equitable access to residential energy efficiency programs, and technical assistance to large commercial buildings



We will achieve zero waste of resources.

- ← Increase the recycling rate of multi-family, commercial, and mixed-use buildings through education, outreach, and ensuring buildings have sufficient space for recycle, compost, and trash
- ← Explore a ban on single-use plastics, as well as policies to support King County's construction & demolition waste recycling ordinance
- ← Encourage food waste prevention



OUR FUTURE

Our future is one where...



Everyone will live within 1/3 mile of a park, open space, and/or trail, and citywide tree canopy will reach 40%.

And to get there, we will

- ← Strategically increase our park network to achieve our parks walkable access goals and provide additional environmental benefits
- ← Preserve our existing tree canopy and form partnerships to plant 75,000 trees over the next 30 years.
- ← Educate and engage residents through a Tree Ambassador program and other volunteer opportunities
- ← Expand green stormwater infrastructure
- ← Improve stream health



The City will lead by example.

- ← Upgrade city buildings to minimize heating and cooling needs, use light and energy efficiently, improve indoor air quality, install and use renewable energy, and achieve energy performance and green building standards
- ← Reduce landfill waste from staff, purchasing, and construction, and demolition through environmentally preferable vendors and purchasing, and material reuse, composting, and recycling
- ← Increase EV infrastructure and fleet, using less fuel in city fleet, and supporting telework and commute trip reduction
- ← Lead and pilot sustainable infrastructure certifications for capital projects
- ← Continue to landscape sustainably, installing water-efficient plumbing and expanding the healthy urban forest
- ← Incorporate sustainability into city-wide operations and monitor plan



BACKGROUND & PROGRESS

Environmental Stewardship Plan Background

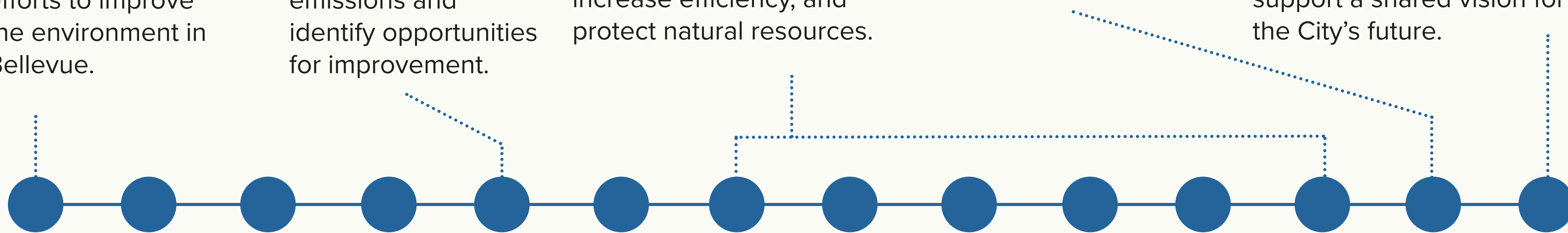
2007 Environmental Stewardship Initiative (ESI) commenced to coordinate interdepartmental efforts to improve the environment in Bellevue.

2011 ESI conducted a baseline study to determine our municipal and community-wide emissions and identify opportunities for improvement.

2013-2018 Environmental Stewardship Plan guides ESI's work, outlining specific actions to cut emissions, reduce waste, increase efficiency, and protect natural resources.

2019 ESI began process to update the plan to reflect progress to date and incorporate new best practices.

2020 ESI is working with the Bellevue community to ensure that new goals and targets reflect local values, address local priorities, and support a shared vision for the City's future.



Progress to date

The updated plan will address **five focus areas** of environmental stewardship.



We have already made significant progress in these areas, but more is needed.

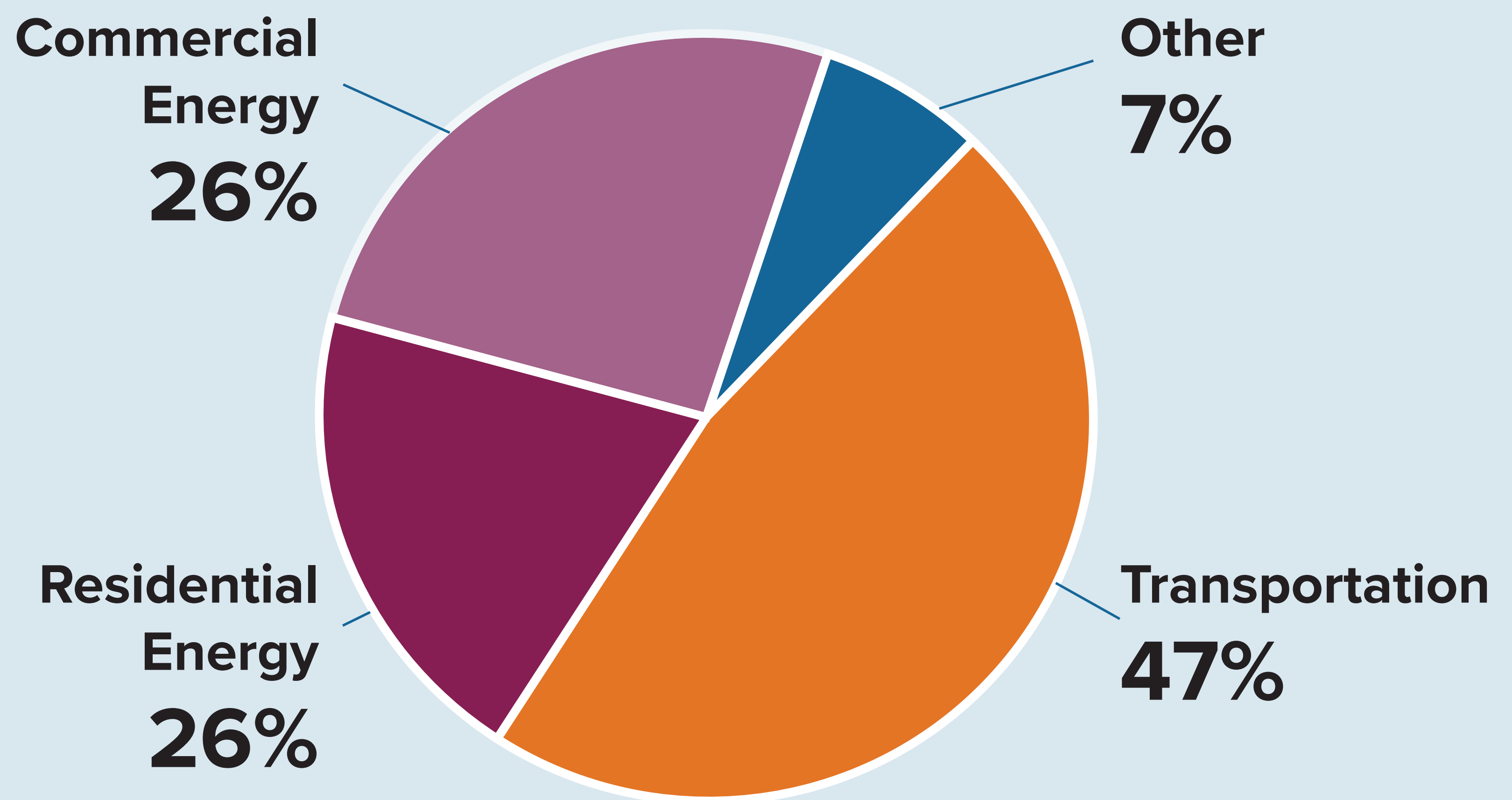


**Please note that the Climate Change focus area is interdependent with other focus areas.*

THE CITY OF BELLEVUE'S GREENHOUSE GAS EMISSIONS

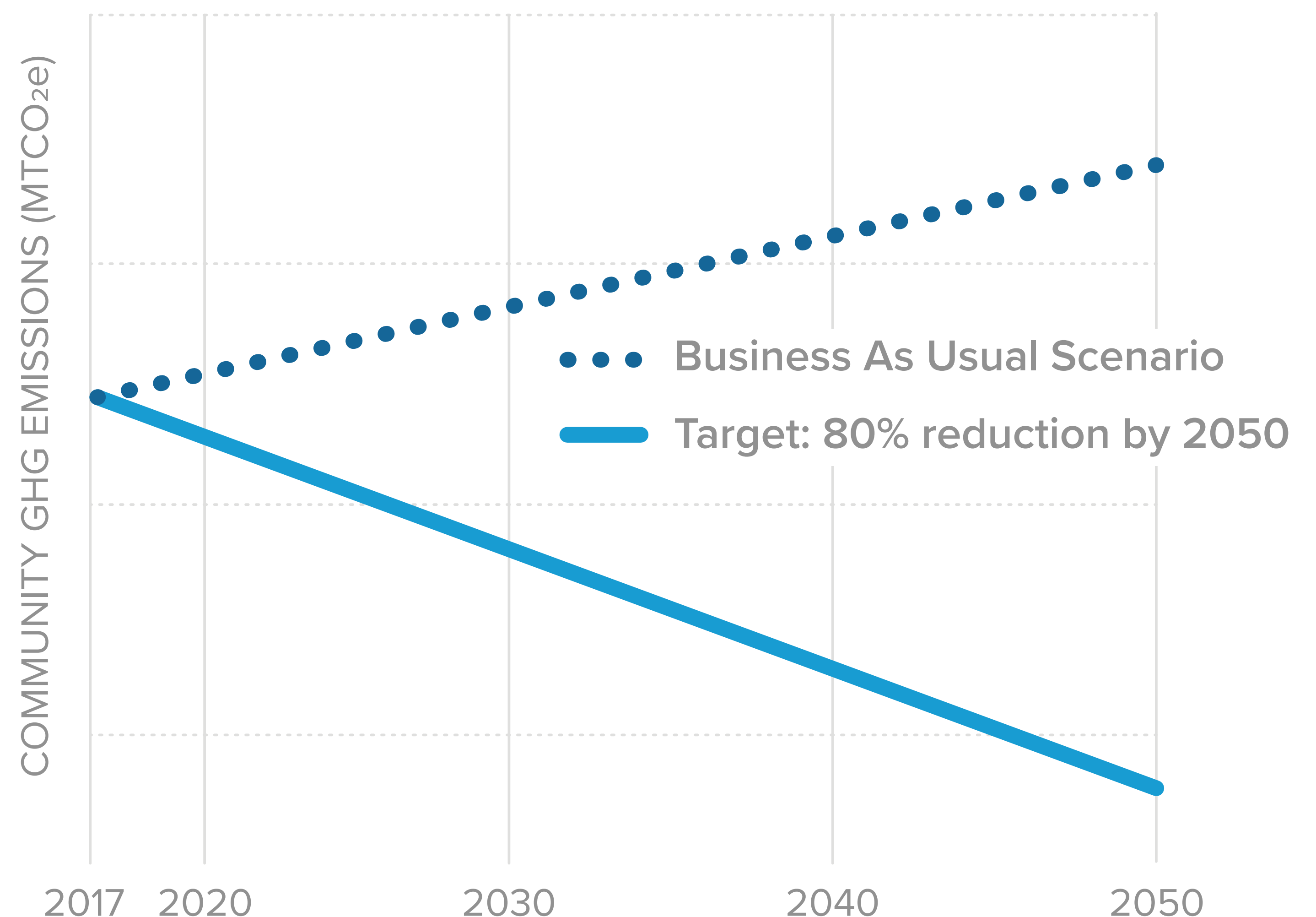
Where we are

The majority of Bellevue's community greenhouse gas emissions (GHG) come from powering, heating, and cooling our buildings and driving passenger vehicles.



Where we're heading

One goal of the Bellevue Environmental Stewardship Plan is to reduce Bellevue's greenhouse gas emissions in line with regional targets and scientific recommendations and avoid dangerous climate impacts. Without taking action, population and job growth would likely cause emissions to increase considerably.









STRATEGIES & ACTIONS



Strategy: The **environmental outcome** we want to achieve (What).

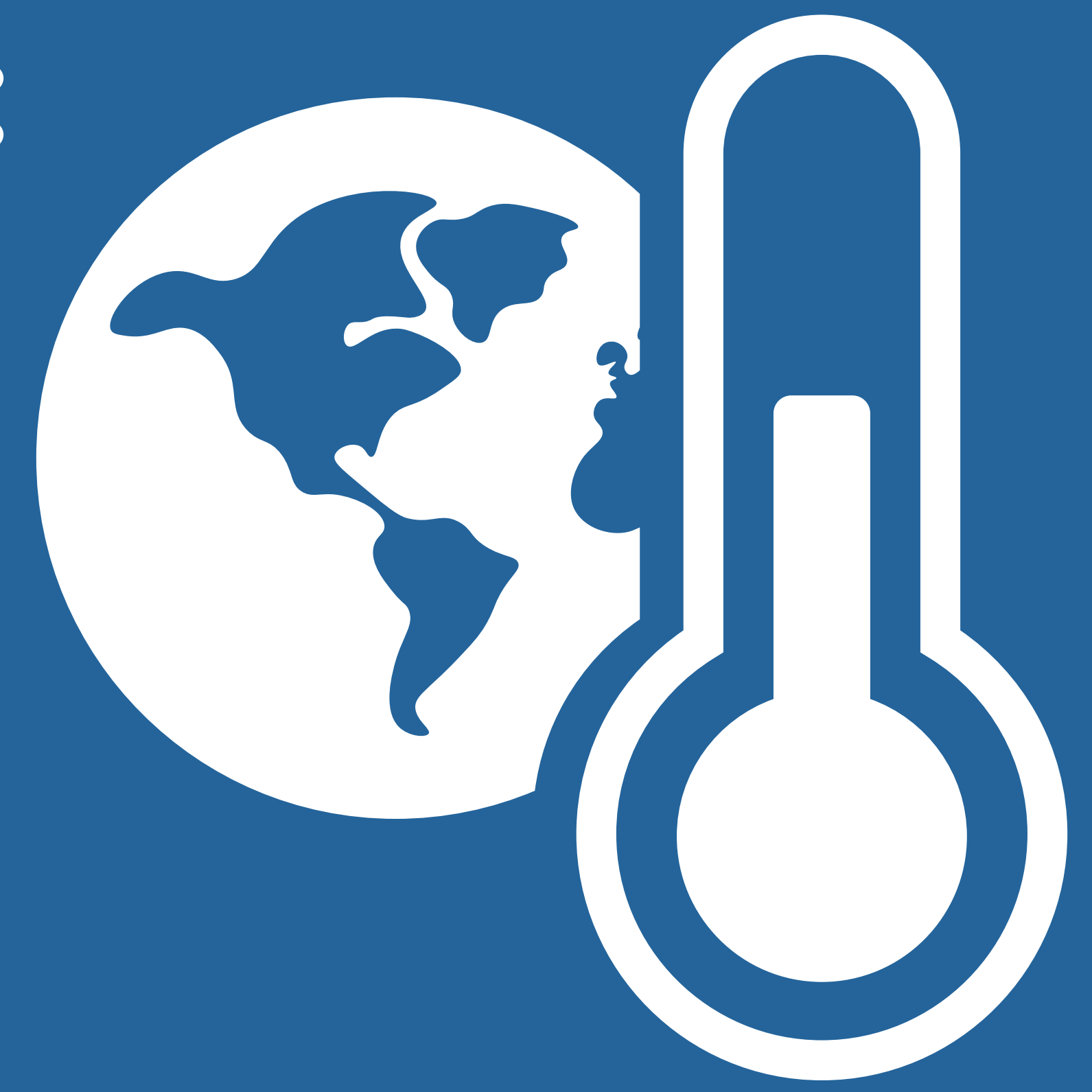
Action: **Steps** to achieve the strategy (How and When).

To evaluate potential strategies and actions, we engaged with over 1000 people through surveys, open houses, and focus groups, and performed a technical analysis using the following criteria.

CRITERION	DEFINITION / SUBCRITERIA
 IMPACT	How likely is it that the action will address plan goals and targets and does it address a major sustainability need?
 COST-EFFECTIVENESS	What is the cost of the action, potential long-term savings , and cost of inaction?
 EASE OF IMPLEMENTATION	Is it possible to implement the action with current capacities within the City?
 EQUITY	Does the action address the needs of all populations, especially vulnerable and historically marginalized populations?
 CO-BENEFITS OR SYNERGIES	Does the action work with other City activities to amplify the collective impact?
 COMMUNITY SUPPORT	Is there strong support for action from the resident and business community?

GOALS, STRATEGIES & ACTIONS:

CLIMATE CHANGE



Why is it important?

Bellevue has endorsed the Countywide Planning Policy which aims to reduce countywide GHG emissions by 25% by 2020, 50% by 2030, and 80% by 2050. Cities around the world are establishing GHG emissions reduction targets, which typically align with global scientific consensus that we need to globally reduce our emissions by at least 80% by 2050 to avoid the most harmful impacts of climate change. Bellevue has also endorsed a regional climate action goal through the King County Cities Climate Collaboration (K4C).

Our goal

Our goal is to reduce Bellevue's greenhouse gas (GHG) emissions and prepare and adapt to ongoing climate change impacts.

2050 target

 **80% greenhouse gas reduction**

What are we doing already?

The City of Bellevue is taking the following steps to improve our greenhouse gas emissions in a sustainable manner:

- Monitoring and reporting on community and municipal GHG emissions
- Supporting energy efficiency, renewable energy, transit oriented development, and waste reduction



GOALS, STRATEGIES & ACTIONS: CLIMATE CHANGE



PRIORITY NEAR-TERM ACTIONS

Strategy C.1. Mitigate emissions and plan for the long-term impacts of climate.

C.1.1	Climate vulnerability assessment. This process would look at science and data to identify how residents, businesses and city operations are at risk because of climate change. A climate vulnerability assessment would suggest actions the city could take to make sure we plan for the long-term impacts of climate change.
C.1.2	King County Cities Climate Collaboration (K4C). Continue participating in the K4C to share best practices and develop multi-city approaches to address climate change.
C.1.3	State advocacy. Advocate for state-level policies and funding that support the achievement of the plan goals.
C.1.4	Climate equity. Focus on actions and investments to address climate change in communities that have been historically underserved. Staff would develop a tool to analyze projects with an equity lens and work with communities to address concerns.
C.1.5	Environmental equity assessment. Perform an analysis to understand any environmental issues, such as air pollution, or barriers to access resources, which might affect communities of color. This analysis would be used to develop recommendations for policies and programs to support environmental justice.

GOALS, STRATEGIES & ACTIONS: CLIMATE CHANGE



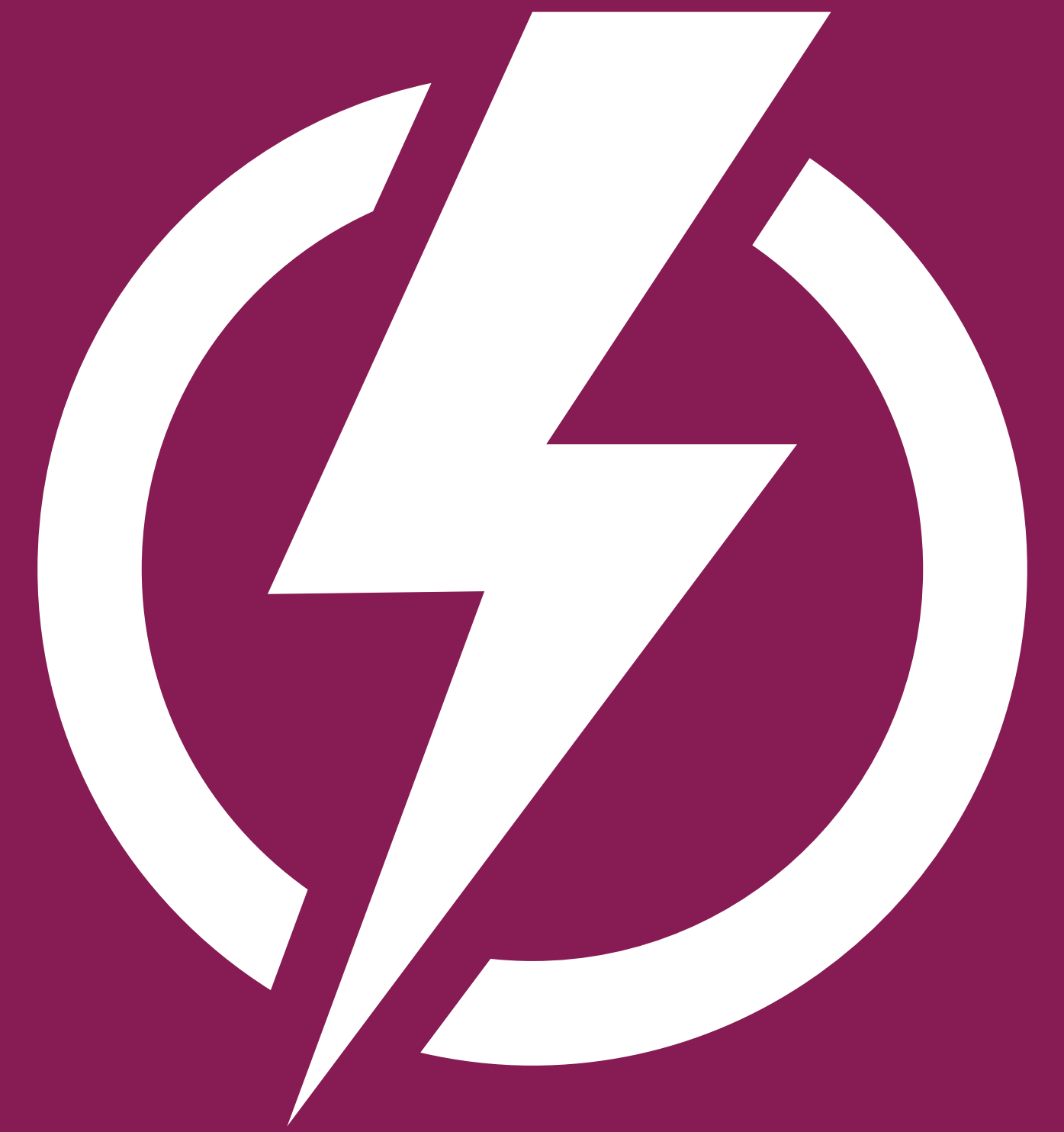
C.1.6	Air quality. Pilot air quality monitoring sensors to collect data that can be used when planning for major rezoning efforts, especially in neighborhoods close to freeways. As Bellevue grows the city should work to understand how development impacts air quality and public health.
C.1.7	Climate Outreach and Education. Develop a climate outreach and education campaign or program to help residents and business make smart choices and understand the impacts to climate change.

LONGER-TERM ACTIONS TO CONSIDER

Climate Resiliency. Include information from the climate vulnerability assessment and other research into city plans, policies and capital projects. This information would help the city understand and strategically plan for the potential impacts of climate change.

GOALS, STRATEGIES & ACTIONS:

ENERGY



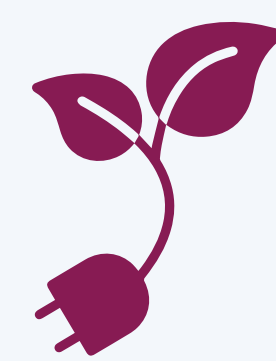
Why is it important?

Energy accounts for almost half (46%) of Bellevue's total GHG emissions. Of the total energy emissions, 20% come from residential sources and 26% come from commercial. Energy solutions make our city more resilient to climate and economic changes, and helps us save money.

Our goal

Our goal is to ensure long-term access to clean energy while saving money and reducing environmental impacts of energy consumption.

2050 targets



100% renewable energy



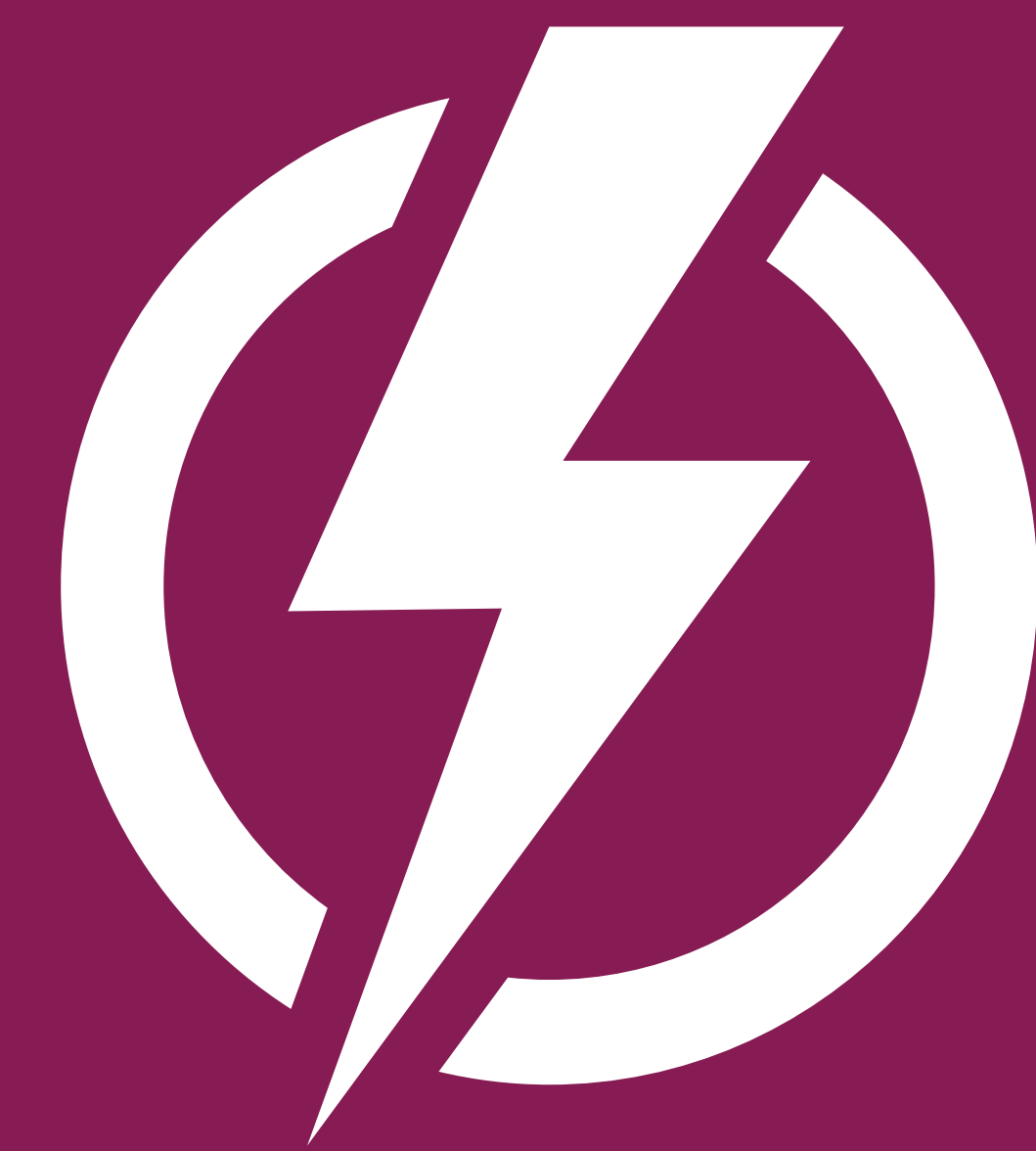
30% energy use reduction

What are we doing already?

The City of Bellevue is taking the following steps to improve our energy efficiency in a sustainable manner:

- Helped install over 130 solar arrays
- Purchasing green power for City facilities
- Providing incentives for green building in growth centers

GOALS, STRATEGIES & ACTIONS: ENERGY

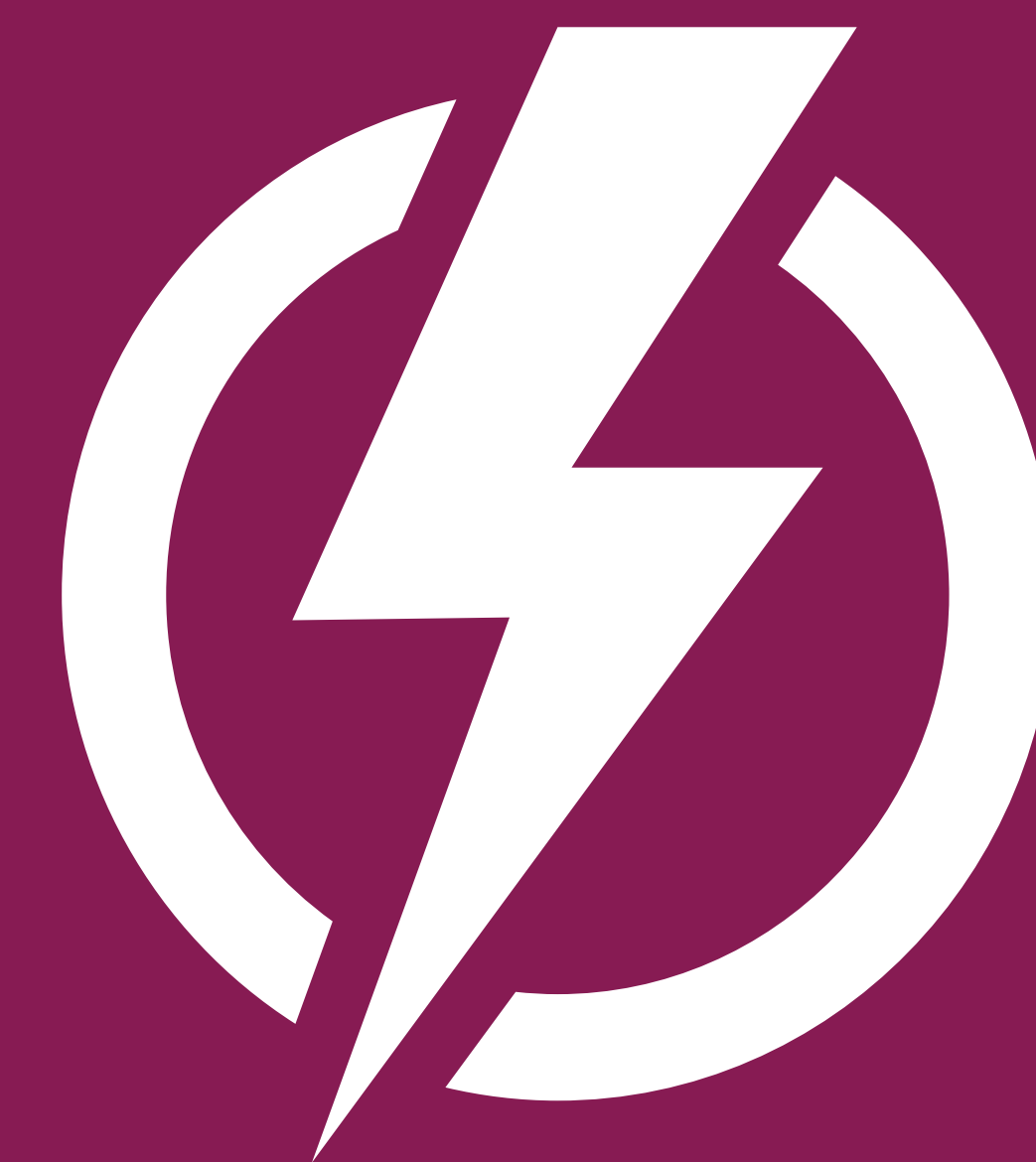


PRIORITY NEAR-TERM ACTIONS

Strategy E.1. Improve performance of community buildings and sites.

E.1.1	Streamlined permitting. Develop a program to streamline permitting processes for single-family residential green building projects, to promote more green building. Assess program over time and look for opportunities to expand.
E.1.2	Advance green building pilot program. Develop a pilot program to promote advanced green building, such as the Living Building Challenge or net zero energy.
E.1.3	Green building incentives. Review current green building incentives in Downtown and BelRed and look at options for increasing their impact. Additionally, consider recommending similar incentives in other neighborhoods that are undergoing rezoning.
E.1.4	Green affordable housing. Look at opportunities to support incentives for projects that include both affordable housing and green building. Identify ways to encourage additional levels of green building beyond the Evergreen green building standard, for city-funded projects.
E.1.5	State building code improvements. Support ongoing energy efficiency and green building improvements to the Washington State Energy code.

GOALS, STRATEGIES & ACTIONS: ENERGY



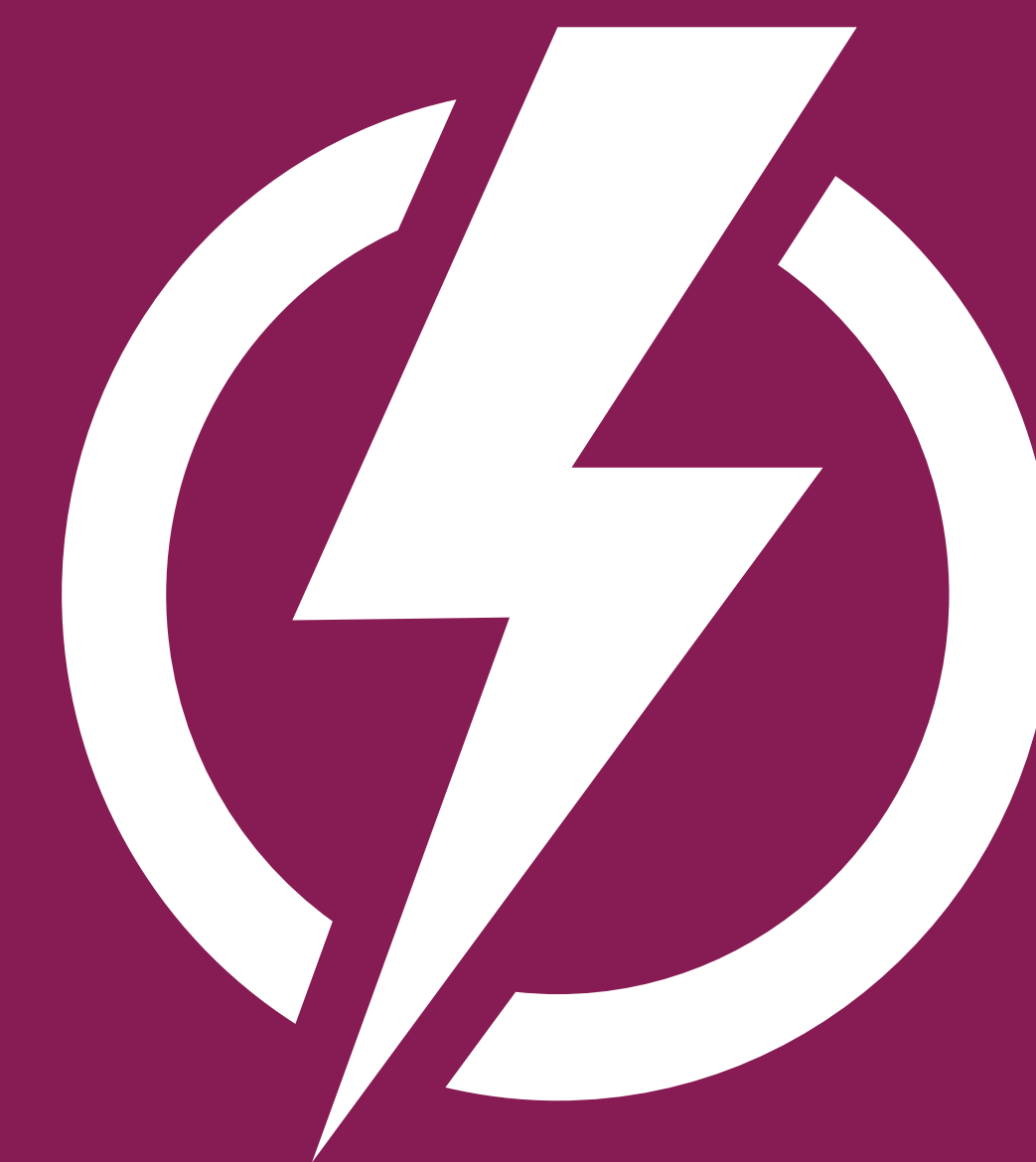
Strategy E.2. Engage the community on best practices for energy conservation.

E.2.1	Commercial energy efficiency. Provide technical help to commercial buildings over 50,000 square feet to help them meet state requirements to disclose their energy use, meet energy performance targets, and identify opportunities and incentives to retrofit.
E.2.2	Home energy retrofit program. Develop a home energy retrofit program to help lower-income residents increase the energy efficiency of their homes. Look to complement existing weatherization programs and energy efficiency incentives.
E.2.3	Equitable access to energy programs. Improve access to energy efficiency programs for low-income residents and historically underserved communities.

Strategy E.3. Support renewable energy.

E.3.1	Solar-readiness. Help new construction of single-family homes and townhomes be ready for the future by encouraging solar-readiness beyond what is required by the Washington State Energy Code.
E.3.2	Solarize campaign. Identify potential non-profit and private sector partners and who can support another Solarize Campaign, which would help facilitate group purchasing of solar panels and reduce the cost of installation.

GOALS, STRATEGIES & ACTIONS: ENERGY



E.3.3	Community solar. Identify potential sites on city-owned and private property that could support a solar array and allow customers to voluntarily sign-up for this locally produced solar energy.
E.3.4	Clean Energy Transformation Act. Support the implementation of the Washington State Clean Energy Transformation Act, to achieve 100 percent renewable energy by 2045 through state-level advocacy.

LONGER-TERM ACTIONS TO CONSIDER

Building electrification. Evaluate strategies to reduce the use of natural gas in new and existing buildings so Bellevue can transition towards cleaner sources of energy for heating.
Increased energy efficiency in existing buildings. Keep track of state policies and other funding opportunities that would provide help support energy efficiency retrofits in commercial, multi-family, and single-family buildings.

GOALS, STRATEGIES & ACTIONS:

MOBILITY & LAND USE



Our goal

Our goal is to minimize the environmental impacts of transportation and development in Bellevue by focusing on development in growth centers and providing all residents with access to a variety of mobility options.

2050 targets



45% drive-alone rate



100% electric vehicle (EV) ownership



50% reduction in vehicle miles traveled per capita



85% of jobs and 65% of housing within 1/4 mile of frequent transit

Why is it important?

Transportation accounts for almost half of GHG emissions (47%). This includes cars, public transit, freight, and other transportation-related services. Reducing vehicle miles traveled (VMT) per person in the community leads to improved air quality and less traffic congestion, which is also a key strategy for reducing GHG emissions.

What are we doing already?

The City of Bellevue is taking the following steps to improve mobility and foster growth in a sustainable manner:

- Focusing growth in designated areas near transit
- Expanding the bicycle network and sidewalks
- Providing electric vehicle charging infrastructure
- Supporting commute-trip mobility options through the Commute Trip Reduction program

GOALS, STRATEGIES & ACTIONS: MOBILITY & LAND USE



PRIORITY NEAR-TERM ACTIONS

Strategy M.1. Sustainable Land Use.

M.1.1	Sustainable District. Explore creating an EcoDistrict that would bring together property owners, tenants, the city, and other groups in a particular neighborhood to work together on specific environmental goals. An EcoDistrict might focus on green building, energy conservation, or other actions and help set an example for the rest of the city.
M.1.2	Promote livability improvements in areas with frequent transit. Support placemaking like adding public art, retail, open space, more accessible streets and sidewalks and other actions that can improve the quality of life for residents of all ages and abilities.
M.1.3	Consider climate and sustainability in land use projects. Look for ways to support walkability, green building, renewable energy, transit-oriented development in new development and other projects.
M.1.4	Study future parking needs. Look at how light-rail and telecommuting impacts the need for parking in new development. Evaluate how parking requirements impact housing and commercial space affordability. Consider changing requirements for providing parking in new development.

Strategy M.2. Expand mobility options.

M.2.1	Mobility Implementation Plan. A Mobility Implementation Plan would build on and coordinate work already being done in the city's Vision Zero, Complete Streets, Pedestrian and Bike Implementation Plan, and Transportation Demand Management programs. This would help to provide a long-term strategy for travelling by car, bike, foot, or transit safely and conveniently throughout the city.
--------------	---

GOALS, STRATEGIES & ACTIONS: MOBILITY & LAND USE



M.2.2	Update transportation impact fees. Impact fees are used to address the impacts on infrastructure of new development. The current Transportation Impact fee program only allows for projects related to vehicle trips. An updated program would also support construction of projects to improve walking and biking, in addition to increasing capacity for non-motorized vehicles.
M.2.3	Curbside Management. Explore strategies to effectively manage curbside space for a variety of uses such as ride-share, buses, pedestrians, and other needs.
M.2.4	Implement the Pedestrian and Bicycle Transportation Plan Faster. Make it easier for people to walk or bike by completing the projects in the Pedestrian and Bicycle Transportation Plan on a faster timeline. Doing this would require more funding so the city should also pursue more grants and look at other ways to fund these projects, including an update to the transportation impact fee program.
M.2.5	Commute trip reduction. Continue to work with employers to and owners of multi-family residential properties to help their staff and tenants reduce drive-alone trips. The city would also study the impact of COVID-19 on commuting and transportation needs.

Strategy M.3. Convert and replace vehicles and equipment to electric and other low-carbon fuels.

M.3.1	Electric vehicle readiness. Update the city's building codes to make sure new commercial, multi-family, and single-family buildings can support charging for electric vehicles. New code would align with neighboring cities and exceed the state building code requirement.
M.3.2	Electric vehicle infrastructure. Increase EV charging infrastructure in the city through partnerships, incentives, and targeted investments.

GOALS, STRATEGIES & ACTIONS: MOBILITY & LAND USE



M.3.3	Electrify heavy duty vehicles. Partner with local organizations to identify funding sources and opportunities to electrify transit buses, garbage trucks, commercial trucks and other heavy duty vehicles.
M.3.4	Clean fuel standard. Support a regional or statewide Clean Fuel Standard to reduce emissions from transportation fuels and support funding for clean fuels.

LONGER-TERM ACTIONS TO CONSIDER

Expanded Electric Vehicle Incentives. Look at creating incentives and programs to help people to transition to electric cars or electric bikes. Include a focus on supporting low-income families in adopting EVs.

GOALS, STRATEGIES & ACTIONS:

MATERIALS MANAGEMENT & WASTE



Our goal

Our goal is to reduce the negative impacts from consumption and waste practices and strive towards zero waste of resources.

2050 target



What are we doing already?

The City of Bellevue is taking the following steps to reduce waste in a sustainable manner:

- Partner with Bellevue schools to reduce waste
- Waste and organics reduction pilot programs
- Additional reuse, recycling, and repair opportunities for Bellevue residents and businesses
- Support for multi-family and commercial building recycling

Why is it important?

King County recently completed the process of updating the Comprehensive Solid Waste Management Plan, which was adopted by Bellevue City Council in June 2019. This plan sets a goal for zero waste of resources by 2030 and an interim target of a 70% recycling rate for all countywide waste. The multi-family and commercial sectors account for approximately 59% of all waste in Bellevue, and has a relatively low recycling rate of 22%, while the single-family sector has a higher recycling rate of about 64%.



GOALS, STRATEGIES & ACTIONS: MATERIALS MANAGEMENT & WASTE



PRIORITY NEAR-TERM ACTIONS

Strategy W.1. Increase community recycling and composting of waste.

W.1.1	Recycling education and outreach. Provide waste reduction, recycling, and composting education and outreach targeted at multi-family and commercial buildings to help improve the citywide recycling rate.
W.1.2	Recycling space requirements. Consider updates to building code requirements in multifamily, commercial, and mixed-use buildings, which would make sure there is enough space for garbage, recycling, and composting.
W.1.3	Food waste prevention. Look for ways to encourage residents and business to donate food to feed hungry community members instead of letting it go to waste.

Strategy W.2. Reduce community waste generation.

W.2.1	Single-use plastics ban. Explore banning single-use plastics such as polystyrene and conduct outreach and technical assistance to support implementation, to reduce waste and litter.
--------------	--

GOALS, STRATEGIES & ACTIONS: MATERIALS MANAGEMENT & WASTE



<p>W.2.2</p>	<p>Waste study. Use existing regional studies to understand how residents in multi-family buildings and businesses are handling their garbage and recycling so we can improve education and outreach.</p>
<p>W.2.3</p>	<p>Assess strategies. Review best practices and do a cost-benefit analysis to identify additional ways for the city to achieve short-term recycling and long-term Zero Waste goals.</p>

Strategy W.3. Increase recycling of construction and demolition (C&D) waste.

<p>W.3.1</p>	<p>Construction and demolition waste recycling. Explore strategies to ensure that Bellevue-based job sites recycle certain types of construction and demolition debris prohibited from disposal by county ordinance, such as clean wood, cardboard, metal, gypsum scrap (new), and asphalt paving, bricks, and concrete, to reduce waste and minimize impacts of construction.</p>
---------------------	---

LONGER-TERM ACTIONS TO CONSIDER

<p>Mandatory recycling and composting. While voluntary programs such as incentives, education, and outreach will help increase the city’s waste diversion rate, studies have shown that mandatory requirements are ultimately needed to reach the city’s long-term sustainability goals.</p>

GOALS, STRATEGIES & ACTIONS:

NATURAL SYSTEMS



Why is it important?

Bellevue boasts 2,700 acres of natural and green areas on city property, which are part of a local and regional ecosystem. The natural systems in Bellevue are managed through various national, state, and local laws, and policies. Protecting natural resources, like cleaner air and water and access to public open spaces, also improves the health of our neighborhoods.

Our goal

Our goal is to improve and preserve the integrity and health of Bellevue's natural systems and ensure all of Bellevue's residents have access to Bellevue's abundant natural resources.

2050 targets



40% tree canopy cover



100% of residents live within 1/3 mile of a park, open space, or trail

What are we doing already?

The City of Bellevue is taking the following steps to manage the city's natural systems in a sustainable manner:

- Updated land use code to reflect latest WA state requirements around stormwater and low impact development
- Launched new tree canopy education and outreach program
- Monitoring and measuring the city's tree canopy



SUSTAINABLE
BELLEVUE

Draft Plan Summary

To learn more and tell us what you think, go to:

Engaging Bellevue: <https://www.engagingbellevue.com/environmental-stewardship>

Environmental Stewardship: www.bellevuewa.gov/environment

GOALS, STRATEGIES & ACTIONS: NATURAL SYSTEMS



PRIORITY NEAR-TERM ACTIONS

Strategy N.1. Increase tree canopy citywide.

N.1.1	Tree preservation code. Review current code and make recommendation to increase requirements for tree preservation to further support the achievement of the 40% tree canopy goal.
N.1.2	Tree planting. Develop a program to encourage residents and large property owners to plant the right tree in the right place with free or low-cost trees. Support the maintenance of existing trees, by providing education about tree care.
N.1.3	Urban forester resource. Explore the need for a city arborist or urban forester who can be a resource for permit review, enforcement, code update, strategic planning, and education and outreach.
N.1.4	Public property tree planting. Identify locations on public property for increasing tree canopy, such as in the right-of-way and other areas, and develop a plan and funding strategy for planting and maintenance.
N.1.5	Tree Ambassadors. Launch a Tree Ambassadors program to provide education and outreach around the value and benefits of trees.
N.1.6	Tree canopy assessments and tracking. Continue to assess the city's tree canopy and identify other opportunities for tracking tree data, such as during permitting.

GOALS, STRATEGIES & ACTIONS: NATURAL SYSTEMS



Strategy N.2. Improve ecological conditions for forests, streams, wetlands, and wildlife.

N.2.1	Improve stream health. Through the Watershed Management Plan, assess current stream health conditions and develop a plan for improving stream health. Make recommendations which could include capital projects, enhanced maintenance/operational changes, and potential policies.
--------------	---

Strategy N.3. Improve natural stormwater retention systems and reduce water pollution.

N.3.1	Stormwater retrofit. Identify ways to reduce water pollution by improving or retrofitting existing landscaping or infrastructure. Projects would look at ways to store, clean stormwater, and keep it out of the sewer system.
--------------	---

Strategy N.4. Support preservation and access to green and open spaces.

N.4.1	Preserve open space that has multiple environmental benefits. Identify and acquire open space that could have additional environmental benefits, such as stormwater management, flooding mitigation, or enhancement of tree canopy.
N.4.2	Funding strategy to achieve open space goals. Consider strengthening code requirements, land use incentives, or fees on new development to expand the park system and increase walkable access to parks and trails.
N.4.3	Plan for walkable access to parks. Use the Parks and Open Space System planning process to ensure that all Bellevue households are within 1/3 mile of a park entrance or trailhead.

GOALS, STRATEGIES & ACTIONS:

MUNICIPAL OPERATIONS



Our goal

The City of Bellevue will be a sustainability leader to inspire community action, enhance operational efficiencies, and reduce costs.

2050 targets

- 80% GHG emissions reduction
- 35% drive-alone rate
- 100% electric vehicles for light-duty fleet
- 30% fossil fuel reduction
- 100% renewable energy
- 50% energy reduction
- 90% recycling rate or zero-waste
- 10% water use reduction
- 80% forests in healthy condition

Why is it important?

The City owns over 50 buildings and manages long-term utility and transportation infrastructure projects. It is the responsibility of the city to contribute to the sustainable design of the built environment and efficiently maintain operations to reduce energy used in buildings, streetlights, traffic signals, and water infrastructure. Transitioning the municipal fleet to electric vehicles and providing commute-trip alternatives for city staff supports the transition towards a fuel-efficient economy.

What are we doing already?

Stewardship is one of the City's core values and multiple programs are dedicated to improving sustainability including the Environmental Stewardship Initiative and the Resource Conservation Management Program. Achievements include:

- 18% energy reduction in buildings and infrastructure
- 70% renewable energy for municipal operations
- 43% drive alone rate for city employees
- 70% recycling rate at city-owned buildings

GOALS, STRATEGIES & ACTIONS: MUNICIPAL OPERATIONS



Climate Change

Strategy M.C.1 Mitigate emissions and promote sustainability across all city operations.

M.C.1.1	Implementation – monitor and report. Report on progress towards Environmental Stewardship goals.
M.C.1.2	Sustainable operations training. Incorporate sustainability commitments into city staff trainings.
M.C.1.3	Implementation – stewardship team. Establish a “Stewardship Team” to oversee the implementation.
M.C.1.4	Sustainable projects training. Develop sustainability training opportunities for city employees working on capital projects and pilot a sustainability rating system for an infrastructure project.

GOALS, STRATEGIES & ACTIONS: MUNICIPAL OPERATIONS



Energy

Strategy M.E.1 Improve performance of municipal buildings & sites.

M.E.1.1	Conduct building tune-ups. Conduct building tune-ups and implement efficiency measures at city-owned buildings.
M.E.1.2	Improve lighting efficiency. Upgrade indoor and outdoor lighting to efficient technology.
M.E.1.3	Improve plug-load efficiency. Manage plug loads efficiently and reduce peak demand.
M.E.1.4	Green building performance standards. Meet green building performance standards for new and existing City-owned buildings.
M.E.1.5	Enhance indoor air quality. Enhance indoor air quality in City-owned buildings.
M.E.1.6	Support renewable energy. Use local renewable energy for City operations.
M.E.1.7	Upgrade building envelop in City-owned buildings. Identify opportunities for improving efficiency of buildings with building envelope upgrades.

GOALS, STRATEGIES & ACTIONS: MUNICIPAL OPERATIONS



Mobility

Strategy M.M.1 Expand municipal mobility options and replace city vehicles and equipment to electric and other low-carbon fuels.

M.M.1.1	Green employee commutes. Reduce the drive alone rate for city employees by improving commute options by site location.
M.M.2.2	Green fleet strategy. Develop long-term plan and policies for purchasing electric vehicles (EV) and installing charging infrastructure at city-owned facilities.
M.M.2.3	Reduce fuel use. Pilot fuel reduction technology on fleet vehicles and equipment.

GOALS, STRATEGIES & ACTIONS: MUNICIPAL OPERATIONS



Waste & Materials Management

Strategy M.W.1 Improve green purchasing practices and sustainable materials management in city operations.

M.W.1.1	Green, local procurement. Implement the Environmentally Preferable Purchasing (EPP) Policy across City operations.
M.W.1.2	Reduce operational waste. Identify waste streams generated in City operations and plan to divert materials from landfills.
M.W.1.3	Support vendor stewardship. Develop vendor stewardship programs or partnerships for ongoing or bulk purchases.
M.W.1.4	Divert construction and demolition waste. Divert construction and demolition (C&D) waste streams from landfills for capital projects

GOALS, STRATEGIES & ACTIONS: MUNICIPAL OPERATIONS



Natural Systems

Strategy M.N.1 Promote sustainable landscaping and protect and conserve natural resources.

M.N.1.1	Increase landscaping benefits. Improve functionality of landscaped areas on City-owned property.
M.N.1.2	Improve operational water efficiency. Install water efficient plumbing fixtures in City-owned buildings.
M.N.1.3	Reduce pesticide and fertilizer impacts. Reduce pesticide and fertilizer use and impacts on City-owned property.
M.N.1.4	Sustainable landscaping certifications. Pilot third-party sustainability certification for landscaped areas.
M.N.1.5	Tree preservation. Develop requirements for tree preservation and replacement for capital projects.
M.N.1.6	Tree restoration. Perform an urban forest health assessment for the tree canopy on public property and develop a long-term forest restoration plan to ensure the health of the urban forest.