



# WELCOME



## Planning for a Sustainable Bellevue

The City of Bellevue is working with the community to update the Bellevue Environmental Stewardship Plan. The plan will be an updated roadmap to Bellevue's healthy, livable, sustainable, and prosperous future as a city in a park.

Your input today will provide feedback on the strategies and actions we are considering for the plan. Community input and support is critical to the success of the plan.

## Workshop Objectives



**Learn about the original plan** and our progress to date.



**Understand the biggest contributors** to the City's greenhouse gas emissions.



**Get an overview** of our goals and targets.



**Share your thoughts and priorities** on the strategies and potential actions we're considering.

5:30 PM

**DOORS OPEN**

6:00 PM

**WELCOME REMARKS**

6:15 PM

**DISCUSSION TABLES  
OPEN**

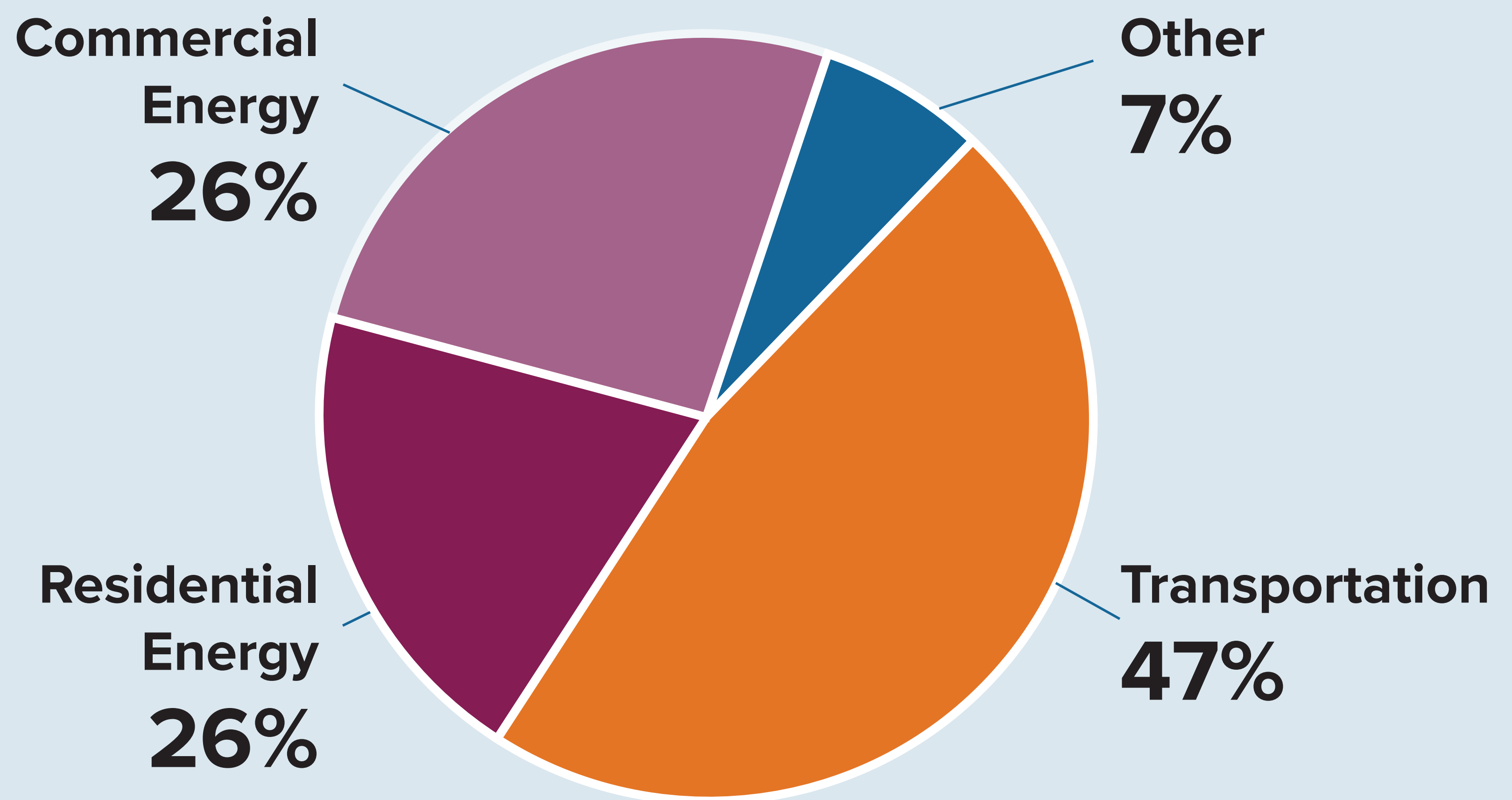
8:30 PM

**OPEN HOUSE ENDS**

# THE CITY OF BELLEVUE'S GREENHOUSE GAS EMISSIONS

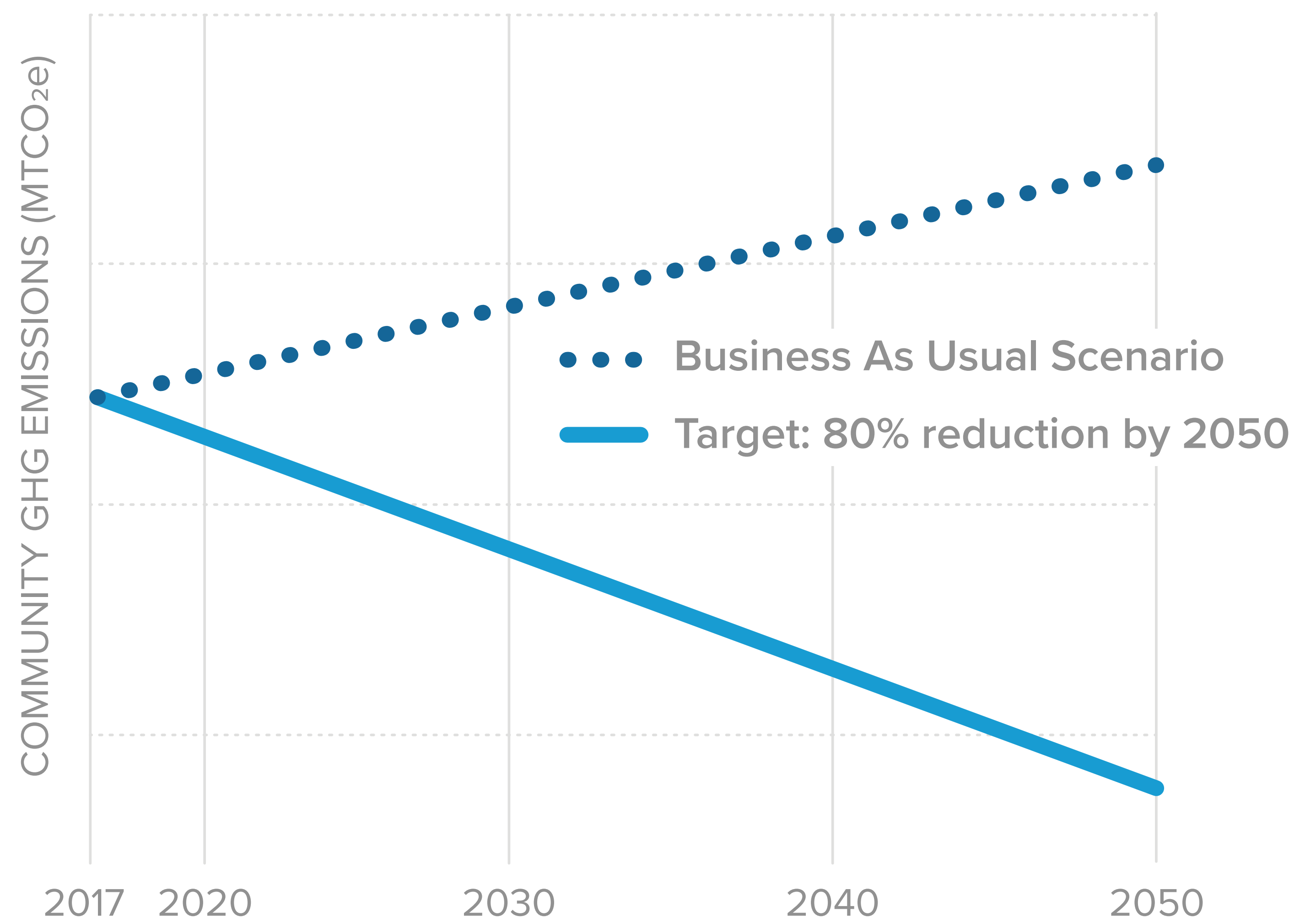
## Where we are

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.



# BACKGROUND & PROGRESS

## Environmental Stewardship Plan Background

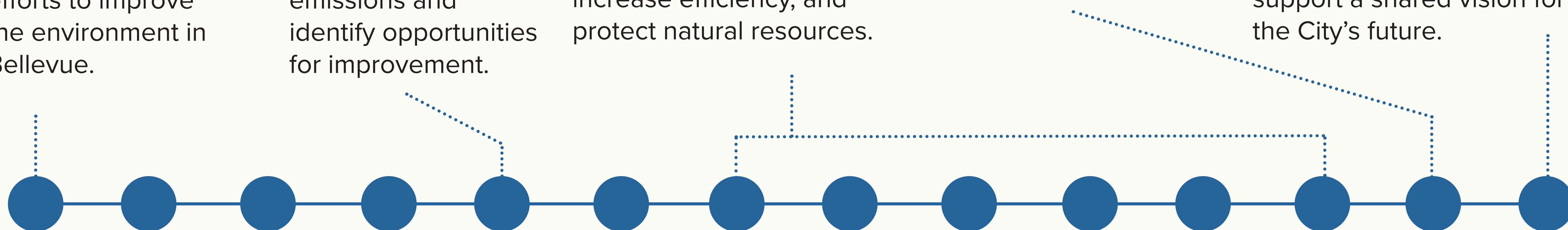
**2007 Environmental Stewardship Initiative (ESI) commenced** to coordinate interdepartmental efforts to improve the environment in Bellevue.

**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.

 <p>CLIMATE CHANGE*</p>	 <p>ENERGY</p>	 <p>MATERIALS MANAGEMENT &amp; WASTE</p>	 <p>MOBILITY &amp; LAND USE</p>	 <p>NATURAL SYSTEMS</p>
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**We have already made significant progress in these areas, but more is needed.**

<p>9% reduction in community GHG emissions</p> 	<p>1% reduction in community energy use</p> <p>287 solar arrays installed</p>	<p>41% of waste is composted or recycled</p> <p>21 schools took part in America Recycles Day</p>	<p>2% Electric Vehicle (EV) ownership</p> <p>35.8 miles of new bike facilities have been built</p>	<p>37% of the city is covered by tree canopy</p> <p>74% of forests are healthy condition</p>
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\*Please note that the Climate Change focus area is interdependent with other focus areas.







# STRATEGIES & ACTIONS



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

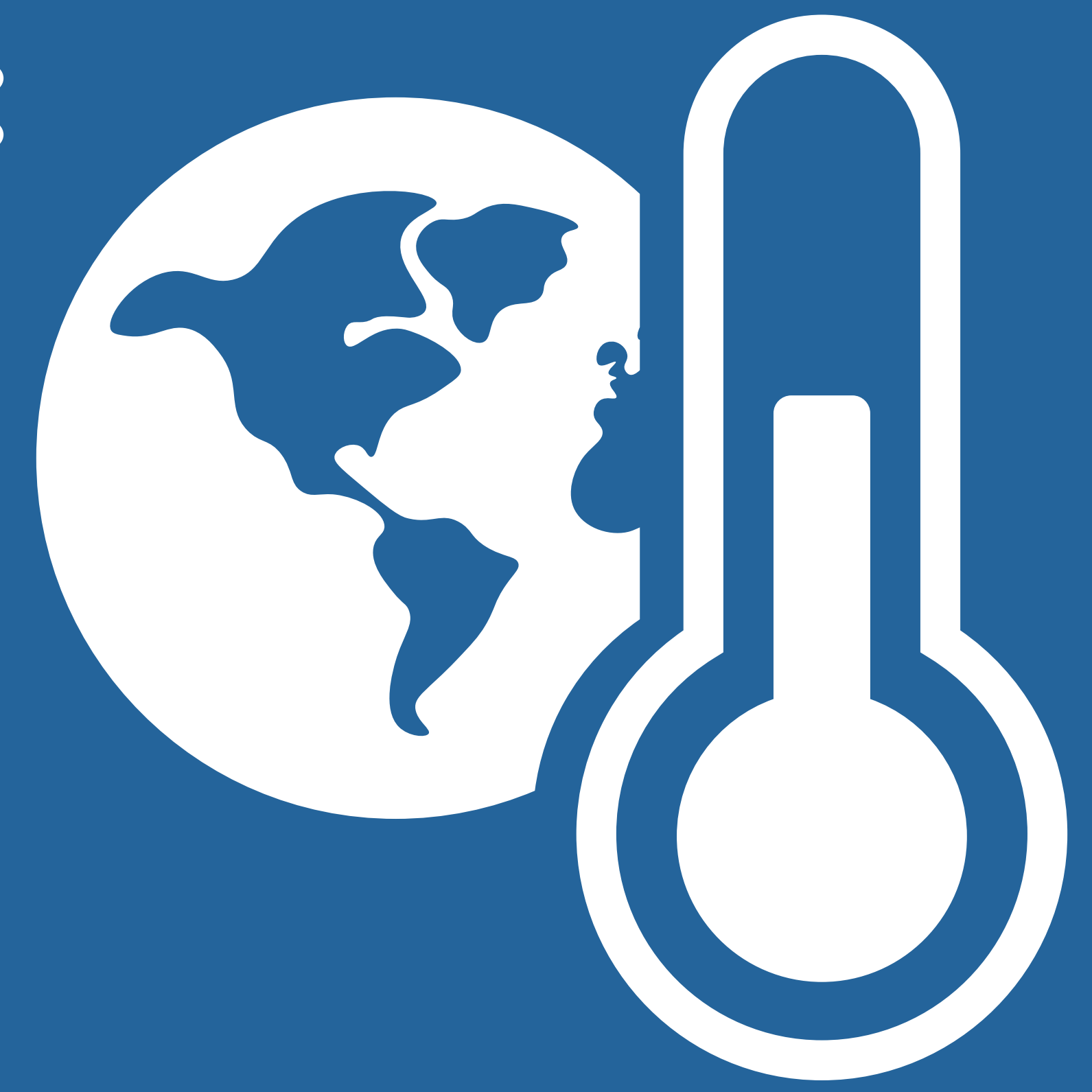
**Action:** **Steps** to achieve the strategy (How and When).

To evaluate our strategies and actions, we are conducting a technical analysis and seeking community input. We developed these criteria through consultation with the public, stakeholders, and subject matter experts in Phase 1 of the planning process.

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

# 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.

## Draft 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



# GOALS, STRATEGIES & ACTIONS: CLIMATE CHANGE



## KEY STRATEGIES

- **Mitigate GHG emissions** and promote sustainability across sectors.
- **Increase resilience** to climate change impacts.
- **Institutionalize consideration** of climate change across City activities and decisions.
- **Educate and inform** residents, businesses, and City staff about sustainability issues and solutions.

## POTENTIAL ACTIONS

## CRITERIA ALIGNMENT (as measured during the ESI planning process)

**1 Explore creating a sustainable district,** such as an EcoDistrict, in downtown, BelRed, or Wilburton, to encourage district-scale sustainability. Establish district-scale sustainability goals with partner organizations.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**2 Perform a climate vulnerability assessment** to understand long-term risks and vulnerabilities associated with climate change and identify next steps in terms of enhancing resiliency.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**3 Require all new building and major infrastructure projects** to undergo climate change impact assessment as part of the planning process.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

# GOALS, STRATEGIES & ACTIONS: CLIMATE CHANGE



## POTENTIAL ACTIONS

## CRITERIA ALIGNMENT (as measured during the ESI planning process)

**4** Prioritize climate mitigation and adaptation investments in historically underserved and underrepresented communities.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**5** Create financial tools that support City climate actions by capturing the lifecycle environmental costs of products and services, including the cost of carbon.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

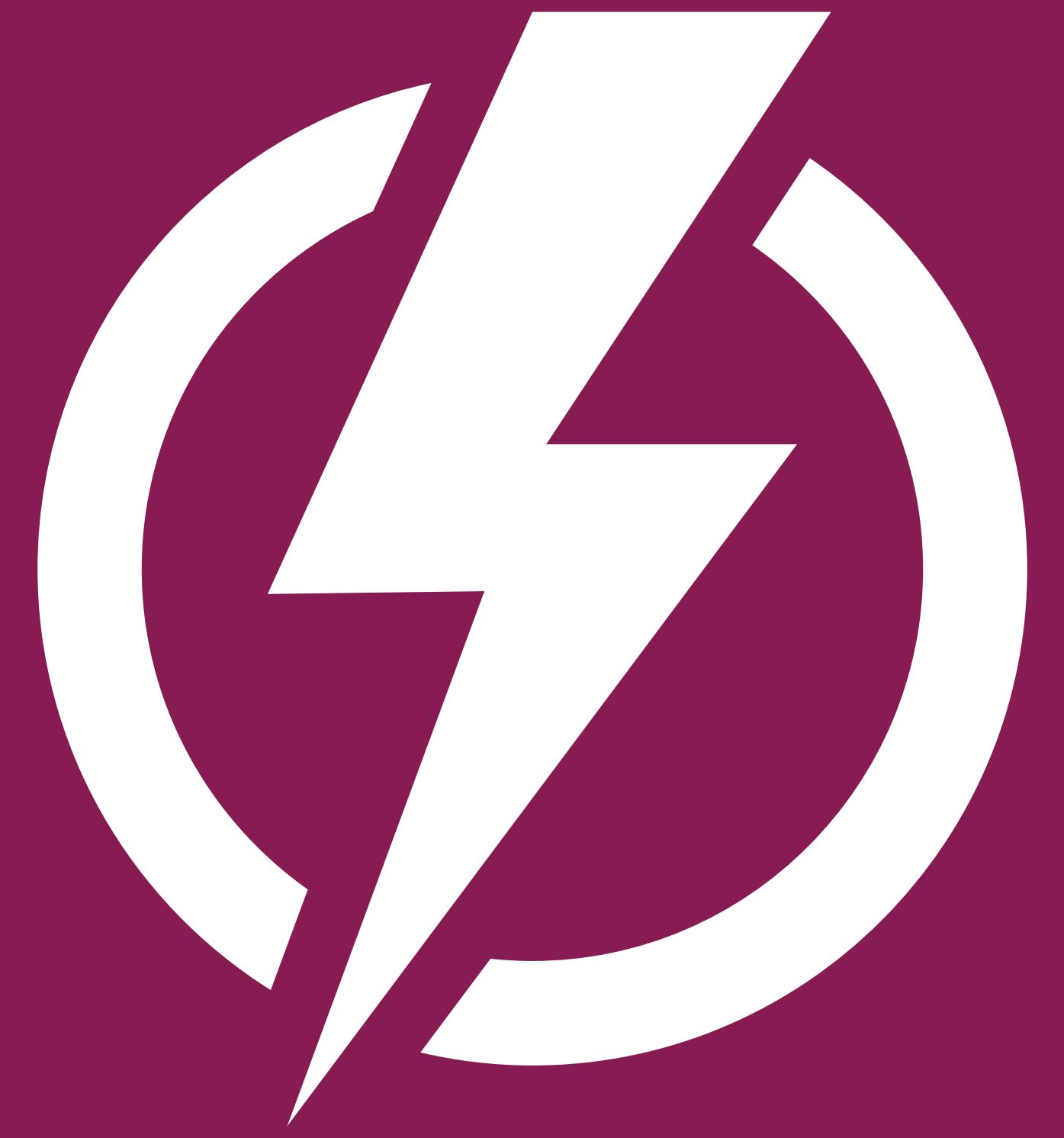
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## Other ideas?

Use a post-it to add your own!

# GOALS, STRATEGIES & ACTIONS:

# ENERGY



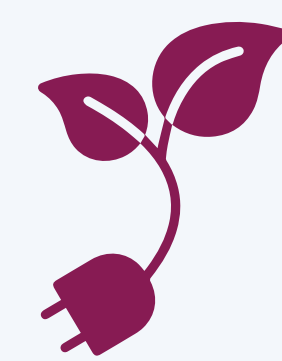
## Why is it important?

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.

## Draft 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



## KEY STRATEGIES

- Improve performance of municipal and community buildings.
- Engage the community on best practices for energy conservation.
- Support renewable energy.

### POTENTIAL ACTIONS

### CRITERIA ALIGNMENT (as measured during the ESI planning process)

**1** **Fast-track and streamline permitting processes** for green building projects, to incentivize more green building.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**2** **Introduce requirements** for new construction to be solar-ready, to future proof new buildings.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**3** **Require commercial energy benchmarking and disclosure** for large commercial buildings, to make energy efficiency data more transparent and encourage more efficiency.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

# GOALS, STRATEGIES & ACTIONS: ENERGY



## POTENTIAL ACTIONS

## CRITERIA ALIGNMENT (as measured during the ESI planning process)

**4** Develop a pilot program to incentivize advanced green building, such as the Living Building Challenge or net zero energy.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**5** Expand green building incentives, which could include land use incentives, permit fee reductions, or other strategies.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**6** Develop a home energy retrofit program with funding or loans to support retrofits, to incentivize energy efficiency, targeted for low-income residents.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

## Other ideas?



Use a post-it to add your own!

# 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.

## Draft targets



**45% drive-alone rate**



**50% 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



## KEY STRATEGIES

- Expand transportation options beyond single occupancy vehicles (SOV).
- Convert and replace vehicles and equipment to low-carbon alternatives.

### POTENTIAL ACTIONS

### CRITERIA ALIGNMENT (as measured during the ESI planning process)

**1** Consider expanding the **Transportation Impact fee program** to support construction of projects for walking and biking, in addition to motorized transport.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**2** Study potential to (1) expand reduction of parking minimums in residential and commercial locations; 2) unbundle parking from new development purchase prices, and 3) adapt new parking structures for autonomous vehicle technology for high capacity parking.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**3** Develop a **Transportation Master Plan** that explores opportunities to decrease per capita vehicle miles traveled through prioritization and investments to support transit and non-motorized modes.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

# GOALS, STRATEGIES & ACTIONS: MOBILITY & LAND USE



## POTENTIAL ACTIONS

## CRITERIA ALIGNMENT (as measured during the ESI planning process)

**4 Explore ambitious transportation strategies** such as speed and reliability improvements for transit, accelerated completion of the pedestrian and bicycle network, and curbside management, to support the provision of transportation alternatives.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**5 Support pilots, infrastructure, and other efforts** to increase use of multi-occupant autonomous, connected, electric, shared and micro-mobility options in Bellevue, to provide more mobility options.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**6 Introduce electric vehicle charging readiness requirements** for new commercial, multi-family, and single-family buildings which exceed the state building code requirement, to future-proof Bellevue's new buildings.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

## Other ideas?

Use a post-it to add your own!

# 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.

## Draft 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



## KEY STRATEGIES

- **Increase** community recycling and composting of waste.
- **Reduce** community waste generation
- **Improve** green purchasing practices and sustainable materials management in City operations
- **Address** construction and demolition waste (C&D).

### POTENTIAL ACTIONS

### CRITERIA ALIGNMENT (as measured during the ESI planning process)

**1 Provide waste reduction, recycling and composting education and outreach** targeted at multi-family and commercial buildings, to help improve the citywide recycling rate.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**2 Explore a prohibition on single-use plastic bags and polystyrene** and conduct outreach and technical assistance to support implementation, to reduce waste and litter.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**3 Consider updates to space and access requirements** for recycling services in multifamily, commercial, and mixed-use buildings, to ensure new buildings have adequate space for three waste streams.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

# GOALS, STRATEGIES & ACTIONS: MATERIALS MANAGEMENT & WASTE



## POTENTIAL ACTIONS

## CRITERIA ALIGNMENT (as measured during the ESI planning process)

**4** **Explore policies** 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.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**5** **Perform a waste characterization study** for multi-family and commercial buildings, to better focus education and outreach.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

## Other ideas?



Use a post-it to add your own!



# 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.

## Draft 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



# GOALS, STRATEGIES & ACTIONS: NATURAL SYSTEMS



## KEY STRATEGIES

- **Increase tree canopy** citywide
- **Improve ecological conditions** for forests, streams, wetlands, and wildlife
- **Support preservation and access** to green and open spaces and agriculture
- **Improve air quality**
- **Reduce water consumption** and **conserve water** resources

## POTENTIAL ACTIONS

## CRITERIA ALIGNMENT (as measured during the ESI planning process)

1

**Introduce stricter requirements** for tree preservation in code, including tree retention, protection, replacement, and possible impact fees for tree removal.

Impact	Cost Effectiveness	Ease of Implementation	Equity

### COMMUNITY SUPPORT

Use your dot { ● } to indicate your support!

2

**Explore the need for a city arborist or urban forester** to be an expert resource for permit review, enforcement, code update, and education and outreach.

Impact	Cost Effectiveness	Ease of Implementation	Equity

### COMMUNITY SUPPORT

Use your dot { ● } to indicate your support!

3

Through the Watershed Management Plan, **assess stream health conditions and develop a plan** for improving stream health.

Include watershed-specific recommendations, which could include capital projects or policy recommendations.

Impact	Cost Effectiveness	Ease of Implementation	Equity

### COMMUNITY SUPPORT

Use your dot { ● } to indicate your support!

# GOALS, STRATEGIES & ACTIONS: NATURAL SYSTEMS



## POTENTIAL ACTIONS

## CRITERIA ALIGNMENT (as measured during the ESI planning process)

**4** Identify stormwater retrofit or enhancement opportunities and develop an implementation plan to support the expansion of green stormwater infrastructure.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**5** Identify sites with multiple environmental benefits and acquire land for open space, to achieve the parks walkable access goal.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**6** Consider strengthened code requirements, land use incentives, or fees on new development to expand the park network and increase walkable access to parks and trails.

Impact	Cost Effectiveness	Ease of Implementation	Equity

**COMMUNITY SUPPORT**

Use your dot { ● } to indicate your support!

**Other ideas?**

Use a post-it to add your own!