

Environmental Stewardship Initiative



2020 Environmental Progress Report

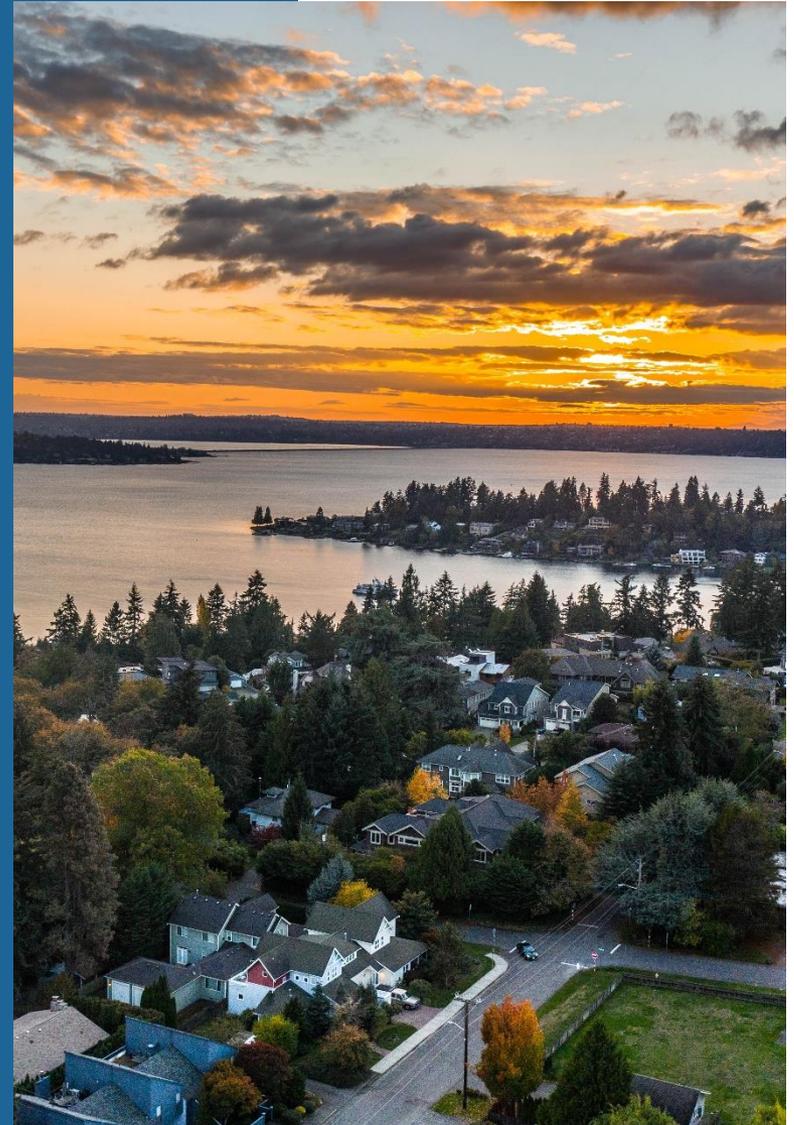
Quarterly Update

Mac Cummins | Community Development
Emil King | Community Development
Jennifer Ewing | Community Development
Ana Hagerup | Finance and Asset Management
July 19, 2021



Information

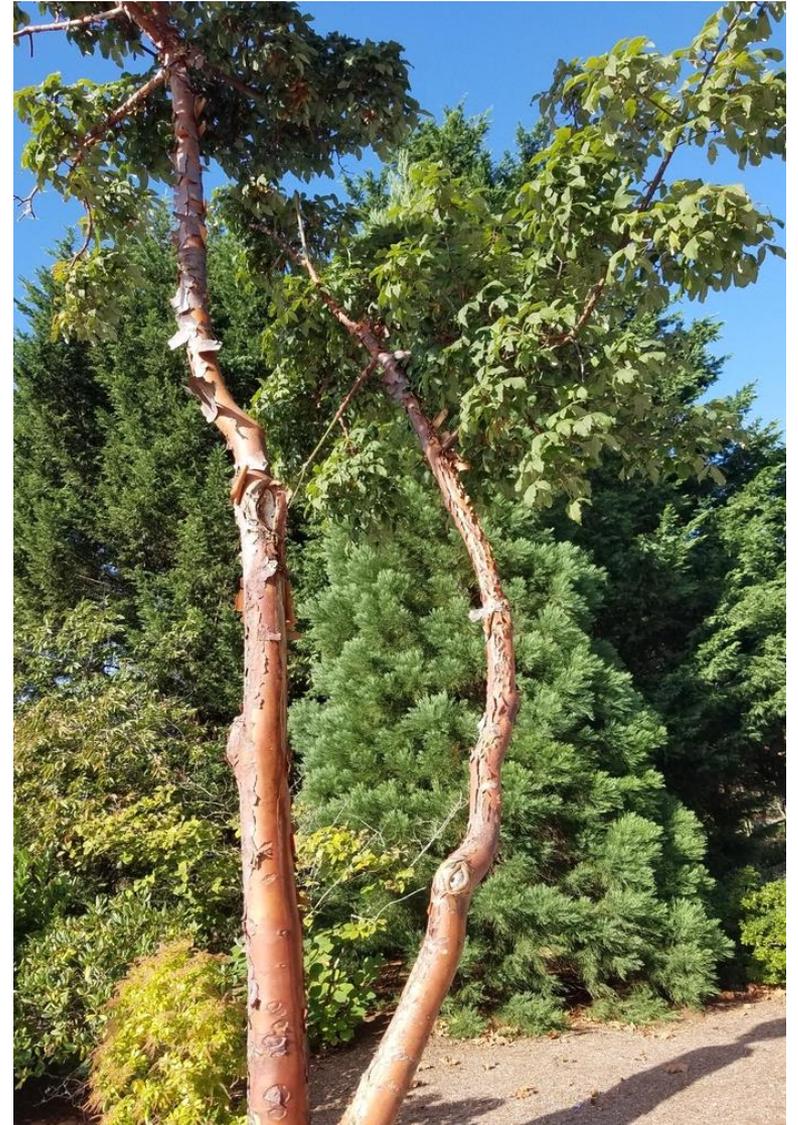
Tonight's Study Session will provide Council with a progress update of the 2020 environmental key performance indicators, along with an update on progress implementing the Sustainable Bellevue Environmental Stewardship Plan.





Agenda

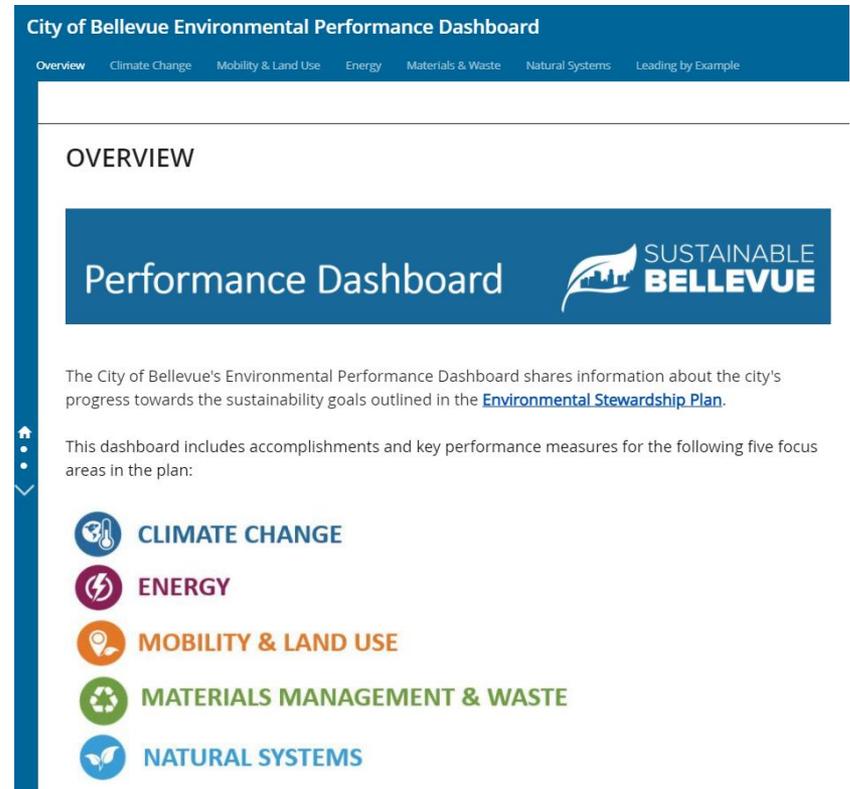
1. 2020 Communitywide Environmental Performance
2. 2020 Municipal Operations Environmental Performance
3. Q2 Accomplishments
4. What's Next



Environmental Stewardship Plan

Council Direction

- Quarterly updates on plan implementation progress
- Annual updates on key performance indicators
 - GHG emissions
 - Energy use
 - Waste / recycling
 - Mobility and Land Use
 - Natural systems



The screenshot shows the 'City of Bellevue Environmental Performance Dashboard'. At the top, there is a navigation menu with 'Overview' selected, followed by 'Climate Change', 'Mobility & Land Use', 'Energy', 'Materials & Waste', 'Natural Systems', and 'Leading by Example'. Below the menu is the 'OVERVIEW' section, which features a 'Performance Dashboard' header with the 'Sustainable Bellevue' logo. The main content area contains two paragraphs of text: 'The City of Bellevue's Environmental Performance Dashboard shares information about the city's progress towards the sustainability goals outlined in the [Environmental Stewardship Plan](#).' and 'This dashboard includes accomplishments and key performance measures for the following five focus areas in the plan:'. Below the text is a vertical list of five focus areas, each with a corresponding icon: 'CLIMATE CHANGE' (globe with thermometer), 'ENERGY' (lightning bolt), 'MOBILITY & LAND USE' (location pin), 'MATERIALS MANAGEMENT & WASTE' (recycling symbol), and 'NATURAL SYSTEMS' (leaf).

www.Bellevuewa.gov/environment

Goals and Targets

By 2050...



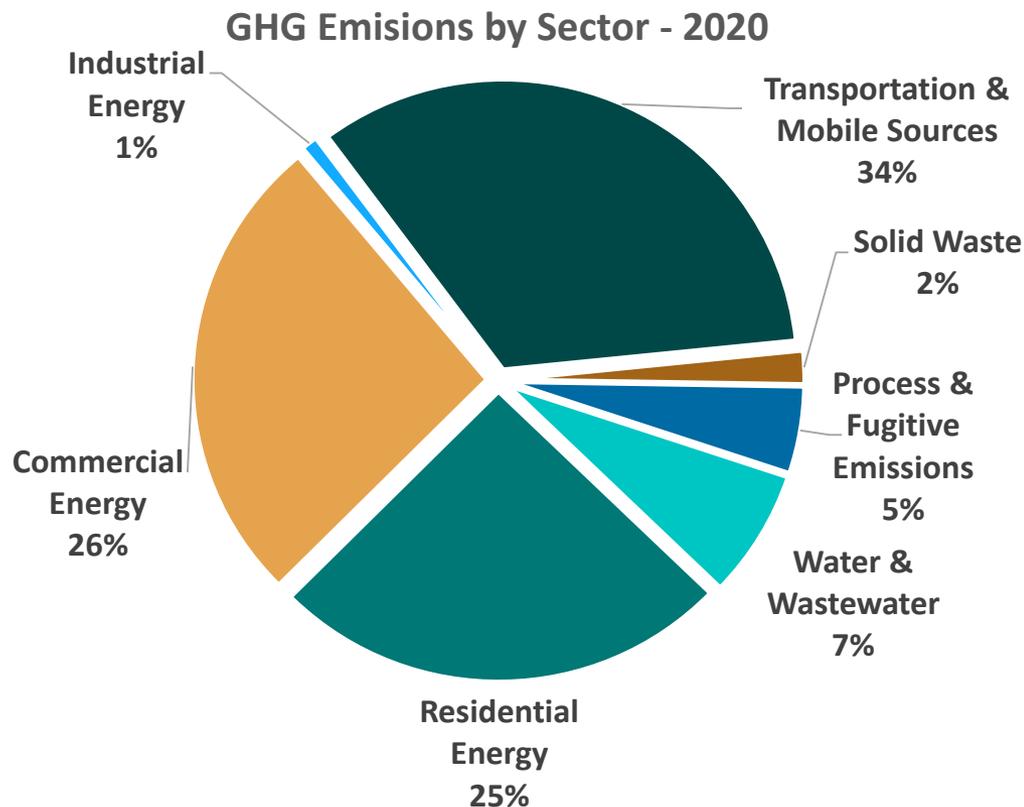
Community Indicators

Progress 2011-2020		Progress 2019-2020	2030 Target
	 26% reduction in community GHG Emissions.	↓ 19%	50%
	 3% registered electric vehicles	≡ 3%	25%
	 39% reduction in per capita passenger car VMT	↓ 31%	20%
	 10% reduction in energy use	↓ 14%	15%
	 45% recycling rate (includes compost & recycling)	↑ 45%	50%
	2020 73% of residents living within 1/3 mile of a park, open space, and/or trail	≡ 73% 2020	80%
	2020 73% of residents living within 1/3 mile of a park, open space, and/or trail	80%	
	TBD Stream Health (metric TBD)	TBD	

Communitywide

Greenhouse Gas Emissions

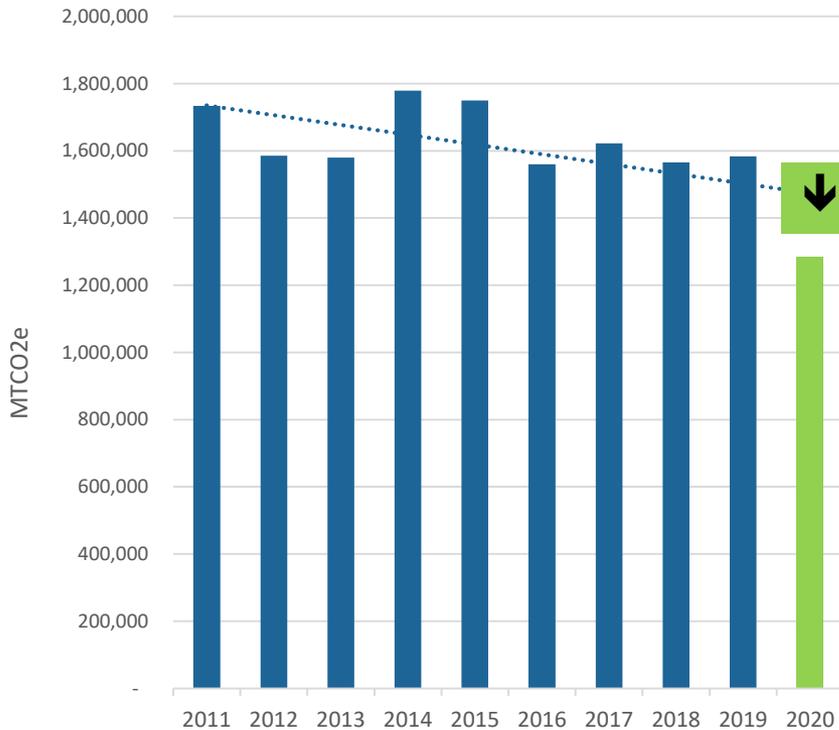
Building energy use and Transportation account for **86%** of Bellevue's GHG emissions



Impact of COVID-19

Community environmental indicators

Communitywide GHG Emissions



↓ 31% per capita vehicle miles traveled



↓ 22% electricity use

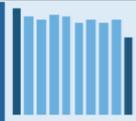
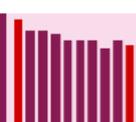
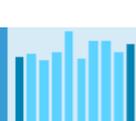


↑ 4% electricity use



↑ 45% recycling rate

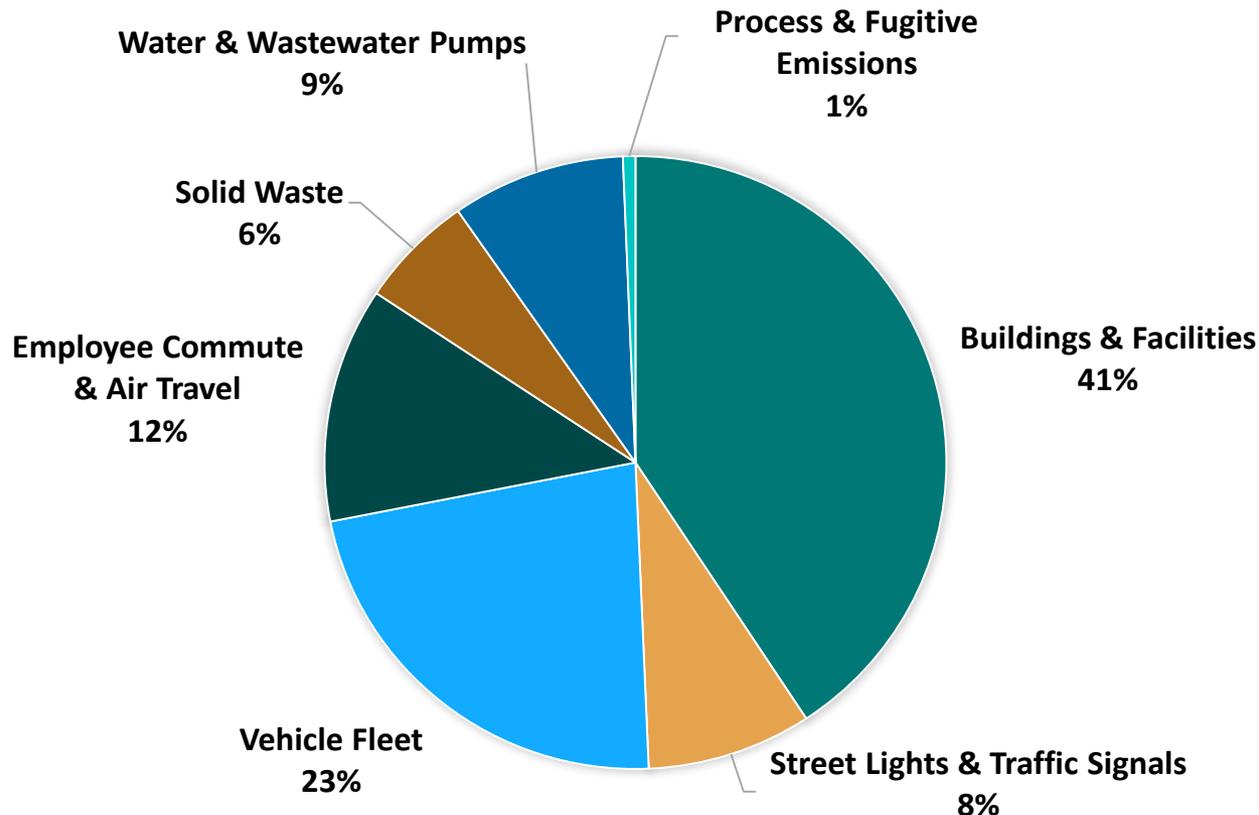
Municipal Operations Indicators

Progress 2011 - 2020		Progress 2019 - 2020	2030 Target
	 28% reduction in municipal GHG emissions	↓ 20%	50%
	 18% fossil fuel reduction from fleet vehicles	↓ 40%	15%
	 25% reduction in building energy use	↓ 6%	25%
	 70% recycling rate (includes compost & recycling)	↓ 60%	80%
	 18% increase in indoor & outdoor water	↑ 9%	5%
	 18% increase in indoor & outdoor water	5%	
	 TBD % of forest in healthy condition	TBD	

Municipal Operations

Greenhouse Gas Emissions

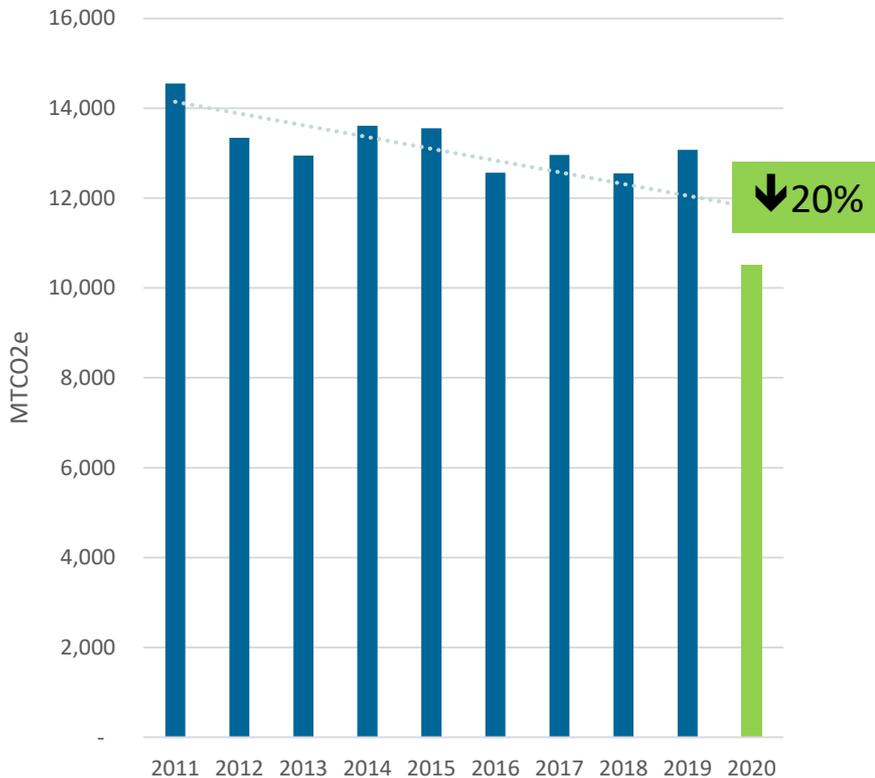
Buildings, Fleet, and Employee Commute account for 76% of municipal operations GHG emissions



Impact of COVID-19

Municipal Operations environmental indicators

Municipal GHG Emissions



25% energy reduction in city-owned buildings



18% fossil fuel reduction in municipal fleet vehicles



33% emissions reduction in employee commute & air travel



10% decrease in recycling rate

2021 Workplan

Action Highlights



Climate vulnerability
assessment



Mobility Implementation
Plan
Wilburton, BelRed



Clean Buildings Act Support
Home energy retrofit program



Multi-family recycling
outreach



Green Fleet Strategy
City Facility Energy Efficiency



Tree planting and Tree
Giveaway program

Q2 Accomplishments



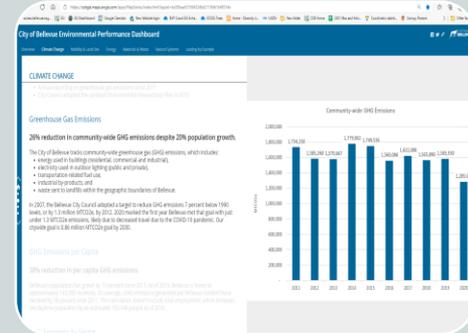
Community Engagement

- Launched the Sustainable Bellevue Partnership
- July 13 Sustainable Bellevue Online Community Townhall



Funding

- \$129k grant awarded from WA Department of Commerce for energy efficiency for city facilities
- \$35,000 donation from Amazon for tree planting



2020 Performance Report

- Updated the ESI Performance Dashboard with 2020 environmental performance results

Q2 Accomplishments



Trees

- Completed design of tree giveaway program
- Launched the Tree Giveaway application
- Identifying community partners for tree planting



Energy

- Program Design for Clean Buildings Act Technical Support
- RFQ for technical support consultant



Municipal Operations

- City hall garage lighting upgrades and building tune-ups

What's Next

- Clean Buildings Act Technical Support project launch
- Tree Giveaway
- Home Energy Retrofit program design
- Green Fleet Strategy
- Department of Commerce Energy Efficiency grant acceptance





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