

Bellevue Sustainability Dashboard:

CLIMATE CHANGE

2050 Target

80% greenhouse gas reduction.

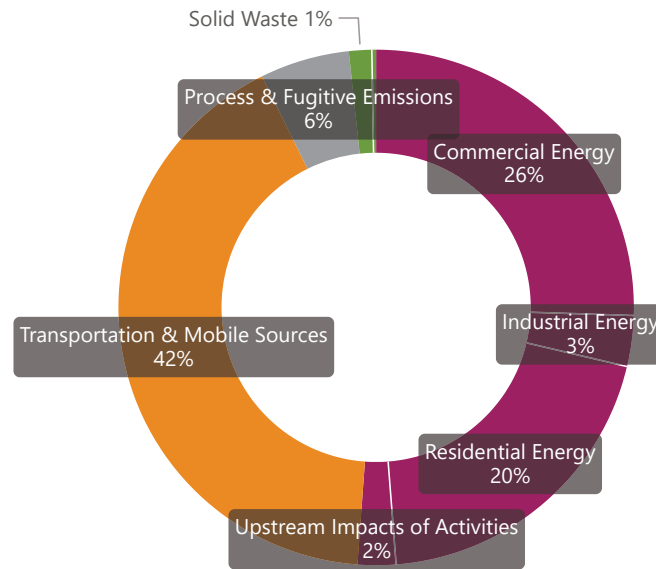
2023 Progress

8 % decrease in community-wide GHG emissions despite **25 %** population growth.

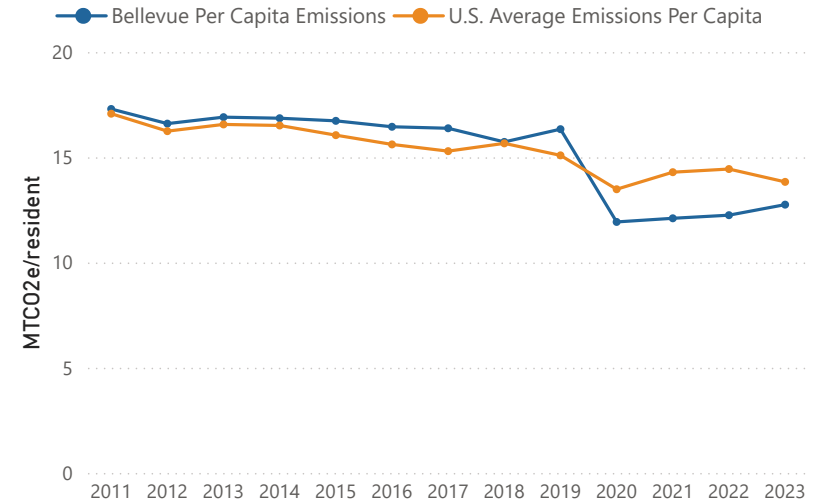
26 % reduction in per capita GHG emissions.

90 % of communitywide GHG emissions in 2023 came from transportation & buildings.

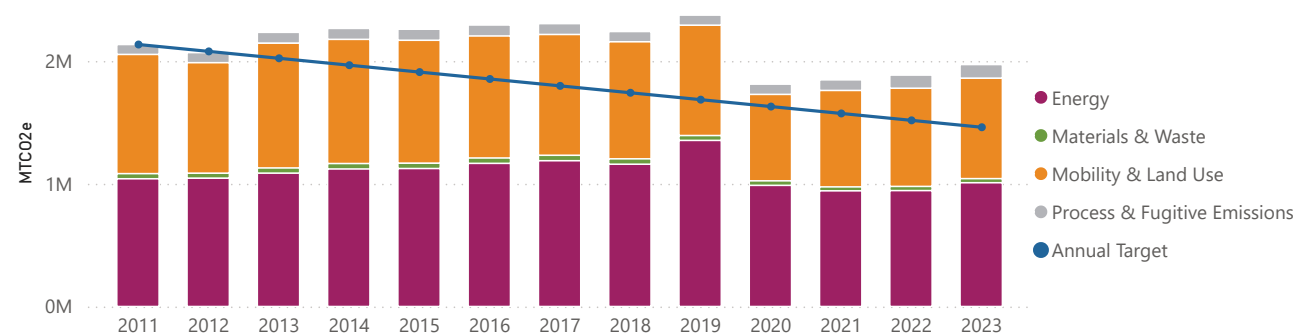
GHG Emissions by Sector, 2023



Per Capita GHG Emissions by Year



Community-wide GHG Emissions



ENERGY

100% renewable energy.

30% energy use reduction.

44 % of total energy use (electricity and natural gas) comes from the residential sector.

49 % of total energy use (electricity and natural gas) comes from commercial operations.

3 % decrease in total energy use.

Sector	Percentage
Transportation & Mobile Sources	42%
Commercial Energy	26%
Industrial Energy	3%
Residential Energy	20%
Upstream Impacts of Activities	2%
Process & Fugitive Emissions	6%
Solid Waste	1%

Horizontal stacked bar chart showing Energy Consumption by Sector (Commercial, Residential, Industrial) in MMBtu. The chart breaks down consumption into Electricity, Electricity - Renewable, Natural gas, and Other sources.

Sector	Electricity	Electricity - Renewable	Natural gas	Other sources
Commercial	3,005,380		1,464,573	
Residential	1,795,171		2,899,078	
Industrial				

Stacked bar chart showing MMBtu consumption by sector and source from 2011 to 2023. The y-axis represents MMBtu from 0M to 10M+. The x-axis shows years from 2011 to 2023. Total consumption values are labeled above each bar: 12M, 12M, 11M, 11M, 11M, 11M, 12M, 12M, 12M, 11M, 11M, 12M, 11M.

Legend:

- Residential Other sources
- Residential Natural gas
- Residential Electricity
- Industrial Other sources
- Industrial Natural gas
- Industrial Electricity
- Commercial Other sources
- Commercial Natural gas
- Commercial Electricity

ENERGY

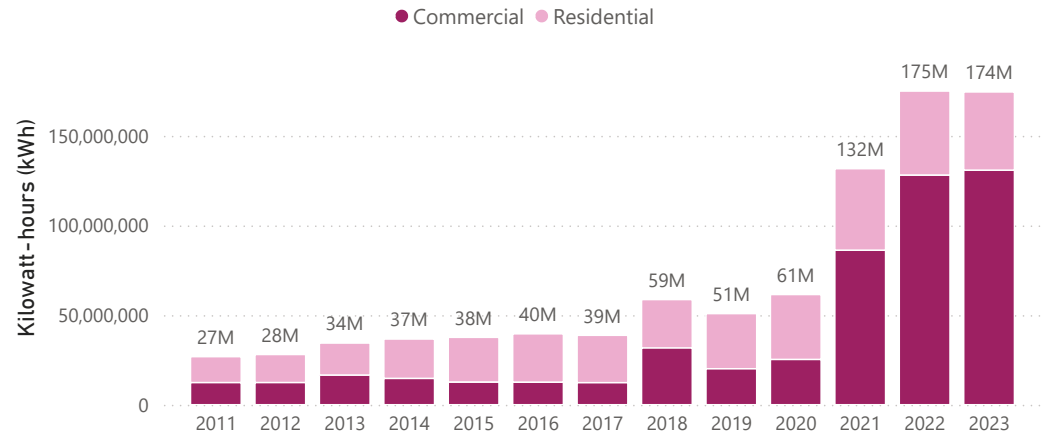
2050 Targets

- 100% renewable energy.
- 30% energy use reduction.

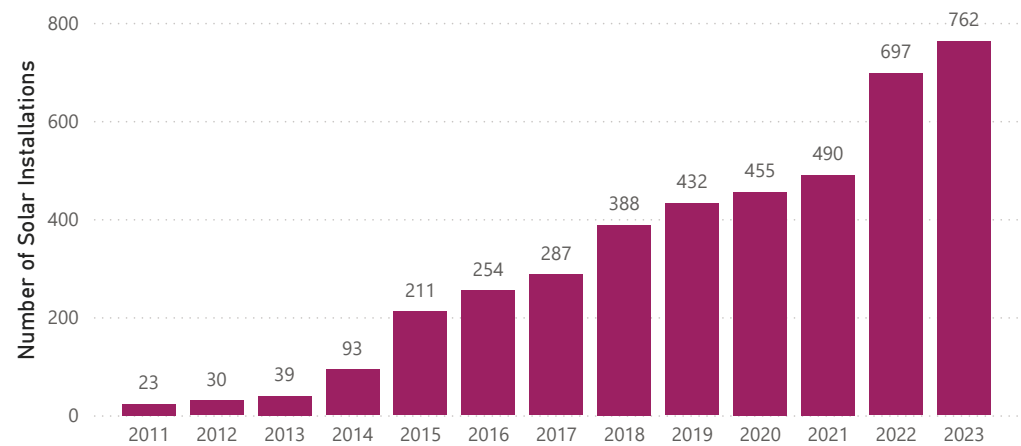
2023 Progress

- 7,577 renewable energy accounts in 2023.
- 56 % citywide renewable electricity.
- 39 % average increase in solar array installations per year.

Renewable Electricity Purchases by Bellevue Residents & Businesses



Bellevue Solar Array Installations



MOBILITY & LAND USE

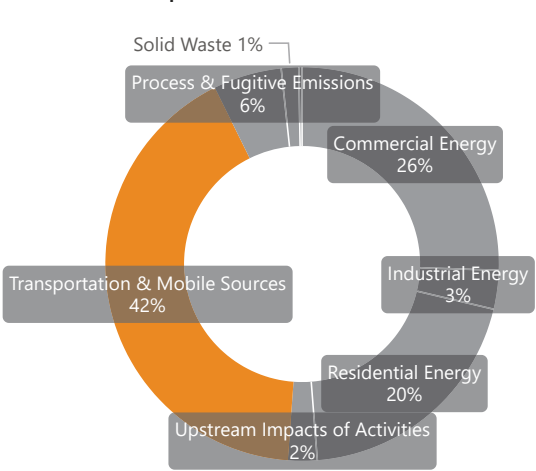
2050 Targets

- 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.

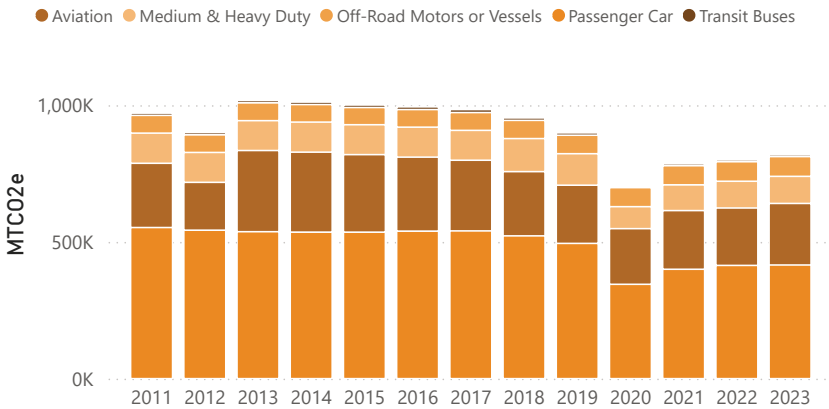
2023 Progress

- 51 % of transportation emissions are from passenger cars.
- 25 % reduction in vehicle miles traveled per capita.

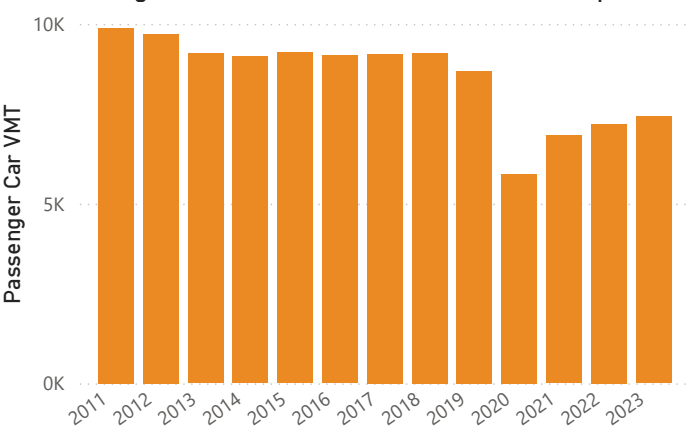
Proportion of 2023 Emissions



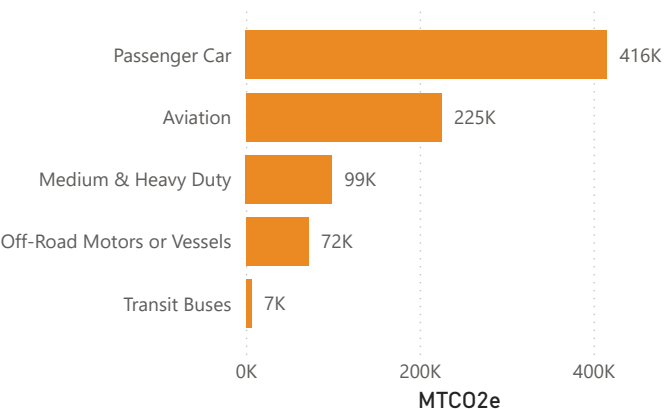
GHG Emissions by Vehicle Type



Passenger Cars: Vehicle Miles Traveled Per Capita



GHG Emissions by Vehicle Type, 2023



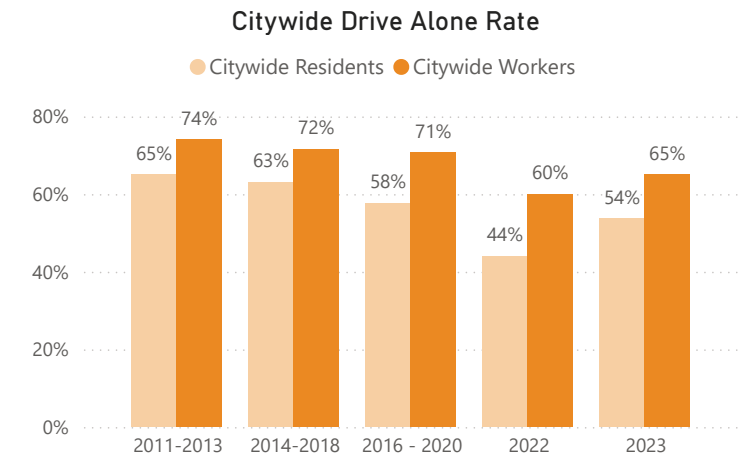
MOBILITY & LAND USE

2050 Targets

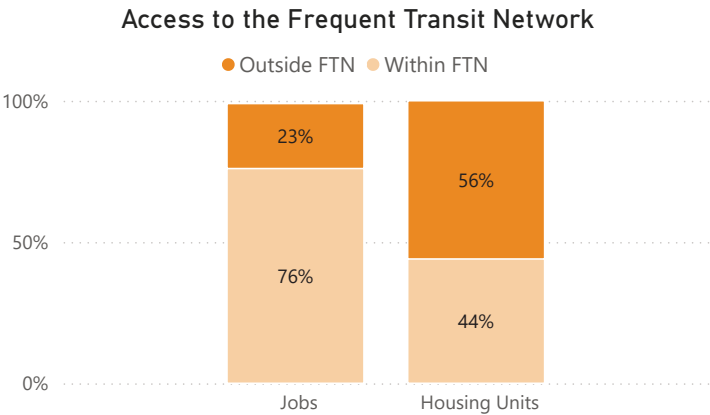
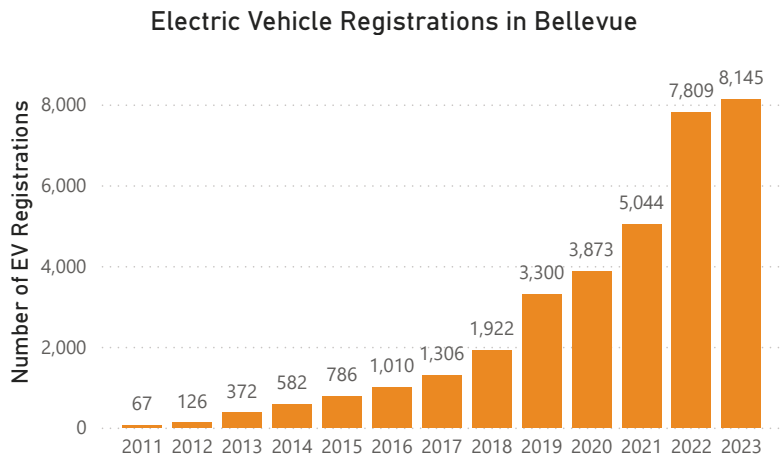
- 50% reduction in vehicle miles traveled per capita.
- 100% electric vehicle (EV) ownership.
- 85% of jobs and 65% of housing within 1/4 mile of frequent transit.
- 45% drive-alone rate.

2023 Progress

- 15 % reduction in drive alone rate for workers and residents in Bellevue.
- 55 % average increase per year in electric vehicle registrations.
- 44 % of housing is within the Frequent Transit Network.



*Based on American Community Survey (ACS) conducted by the U.S. Census Bureau



*Housing Units based on 2020 Census LODES data
*Jobs based on 2017-2021 American Community Survey (ACS) conducted by the U.S. Census Bureau

MATERIALS & WASTE

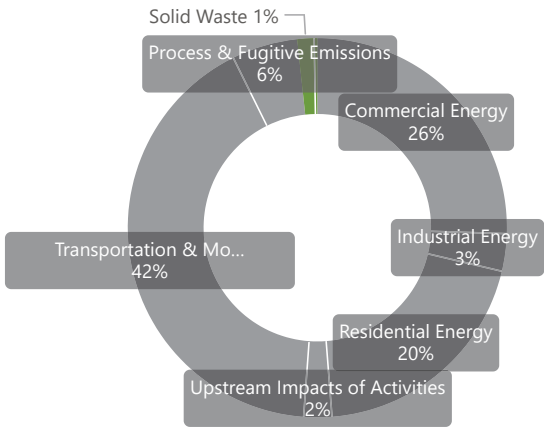
2050 Target

Zero Waste.

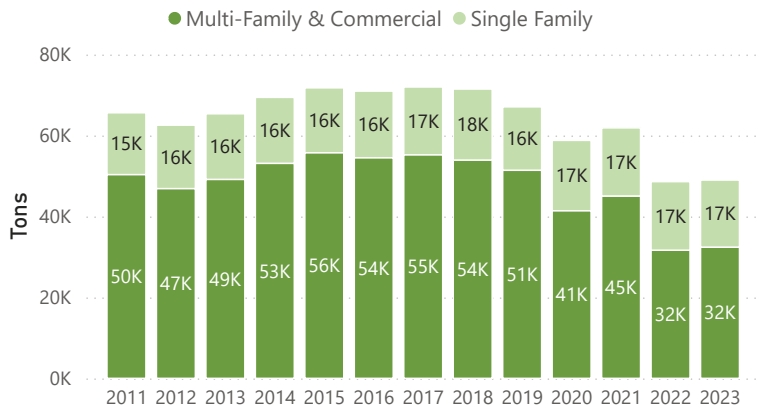
2023 Progress

48,987 tons of waste was sent to the landfill in 2023.

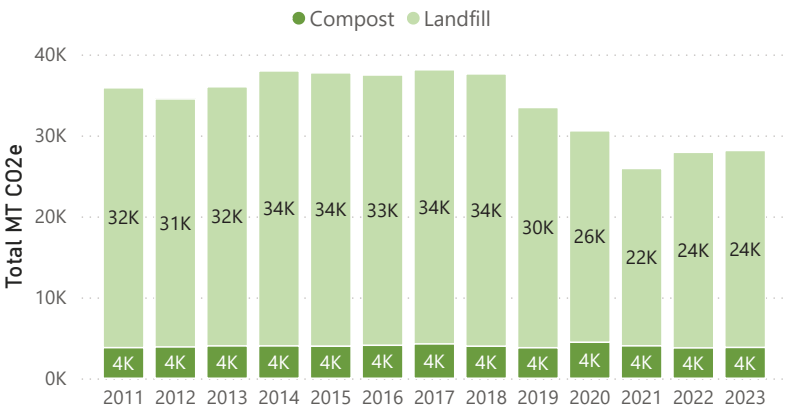
Proportion of 2023 Emissions



Landfill Waste by Sector



GHG Emissions from Landfill & Composting



MATERIALS & WASTE

2050 Target

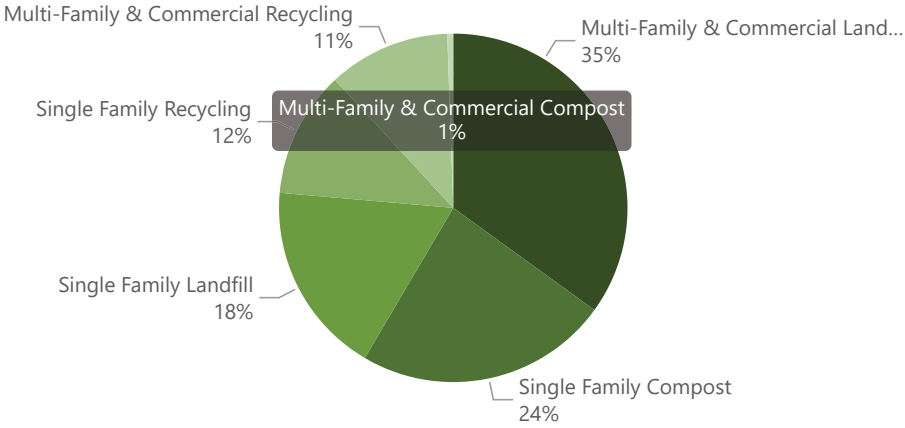
Zero Waste.

2023 Progress

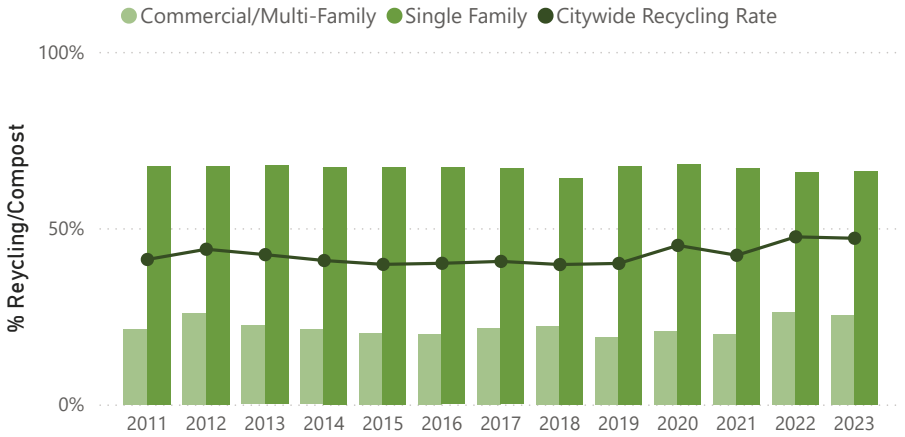
47 % recycling rate in Bellevue, including recycling and compost.

47 % of all waste comes from commercial and multi-family units and is landfilled.

Waste Streams in 2023



Community Recycling Rate by Sector



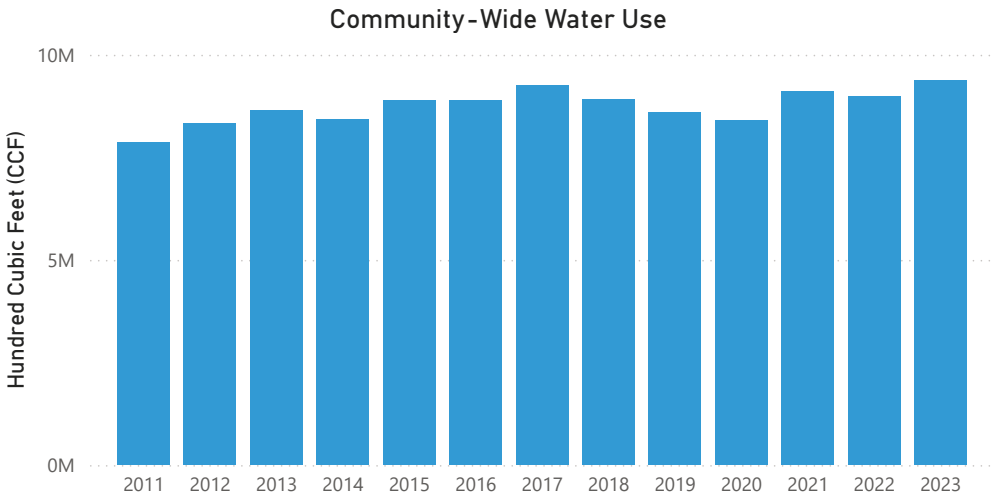
NATURAL SYSTEMS

2050 Targets

- 40% tree canopy cover.
- 100% of residents live within 1/3 mile of a park, open space, or trail.

2023 Progress

- 19 % increase in potable water use despite 25 % population growth.
- 40 % tree canopy cover.



Bellevue Urban Tree Canopy

Year	% Tree Cover	Acres
2021	40%	8,499
2019	39%	8,461
2011	37%	8,051

MUNICIPAL OPERATIONS

2040 Targets

80% GHG emissions reduction.

100% renewable energy.

50% building energy reduction.

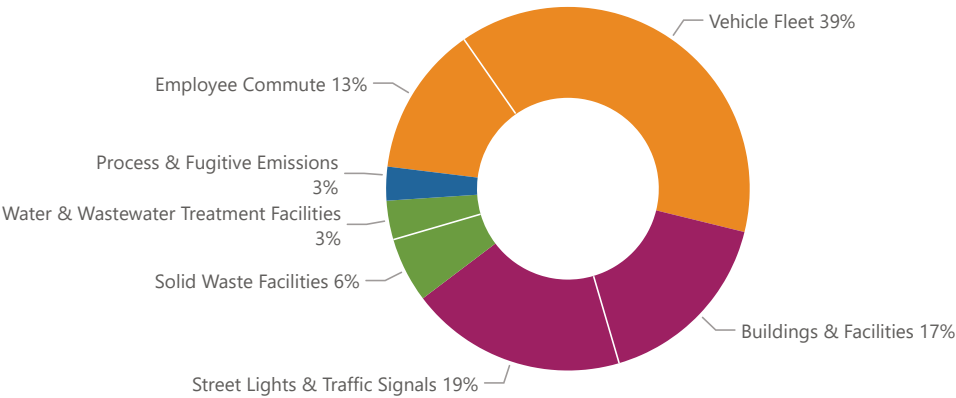
2023 Progress

54 % GHG emissions reduction.

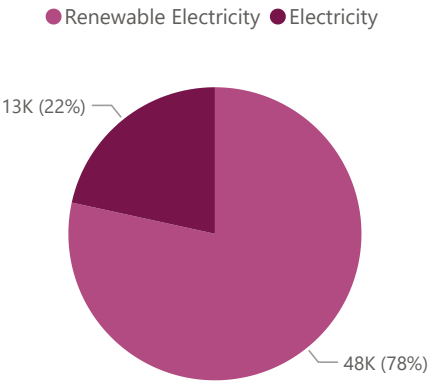
78 % renewable electricity used in city operations.

23 % reduction in municipal energy use.

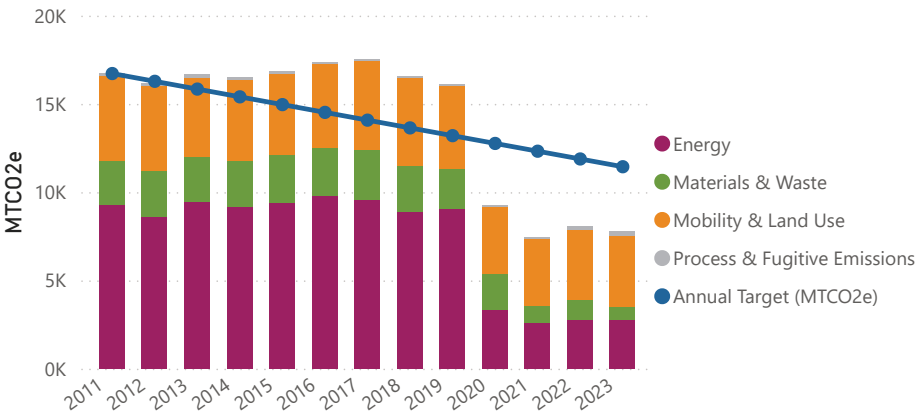
Municipal GHG Emissions by Sector, 2023



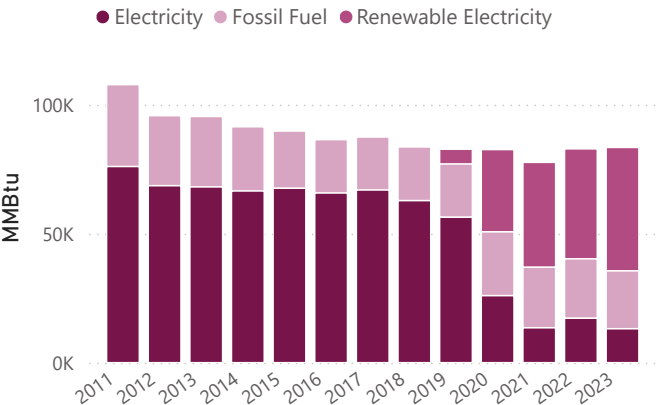
Municipal Energy Composition, 2023



Municipal GHG Emissions



Municipal Energy Use by Source



MUNICIPAL OPERATIONS

2040 Targets

- 35% employee drive-alone rate.
- 100% light-duty fleet EVs.
- 30% fleet fossil fuel reduction.

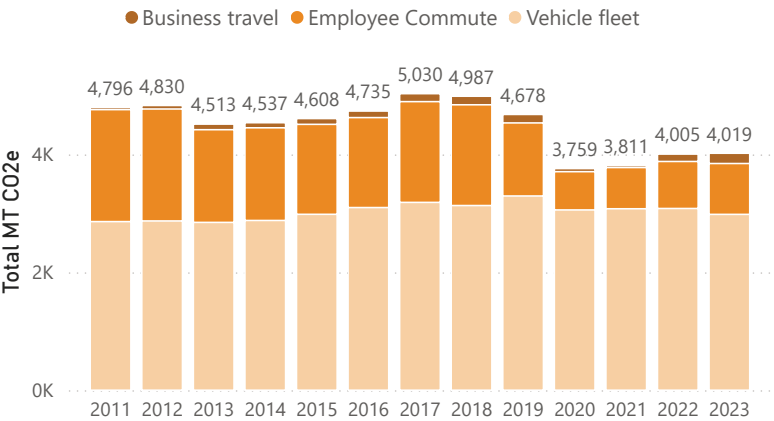
2023 Progress

- 51 % of city employees commuting alone.
- 3 % of light-duty fleet vehicles are electric.
- 3 % increase in fossil fuels from fleet vehicles.

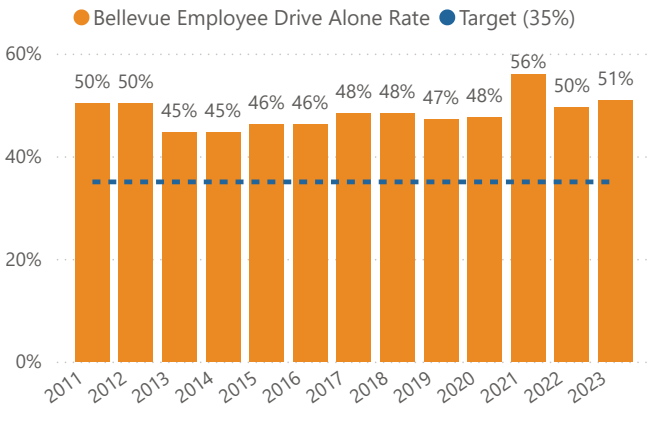
Bellevue Employee EV Commuters

Year	% Own or Lease a BEV/PHEV
2022	14%
2023	21%

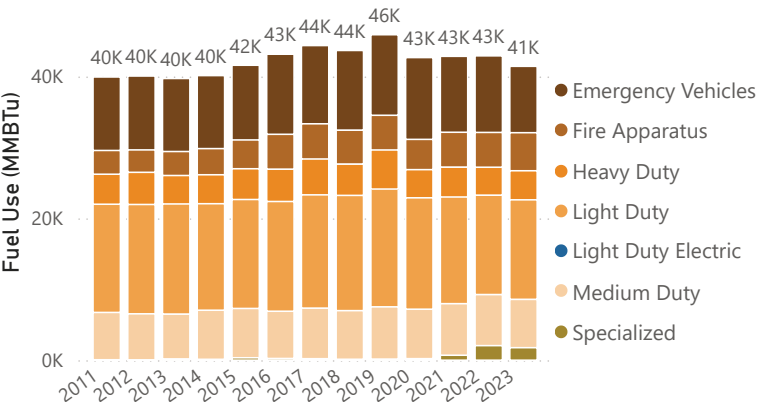
GHG Emissions from Transportation



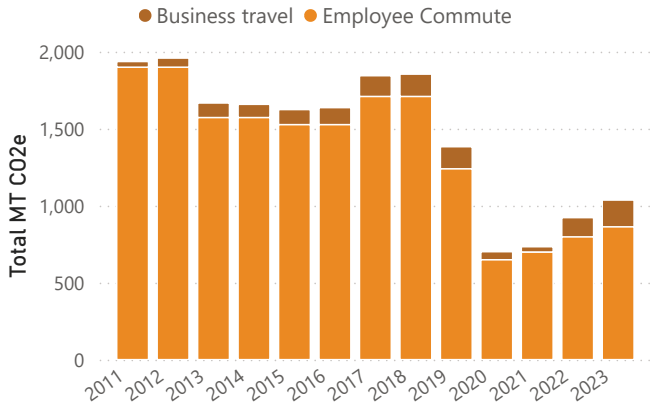
Drive Alone Rate for Municipal Employees



Municipal Fleet Fuel Use



GHG Emissions from Business Travel



MUNICIPAL OPERATIONS

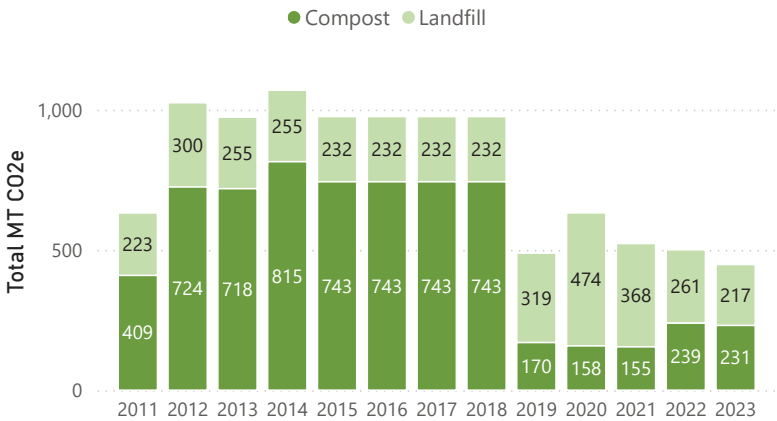
2040 Targets

- 90% recycling rate = zero-waste.
- 10% water use reduction.
- 80% forests in healthy condition.

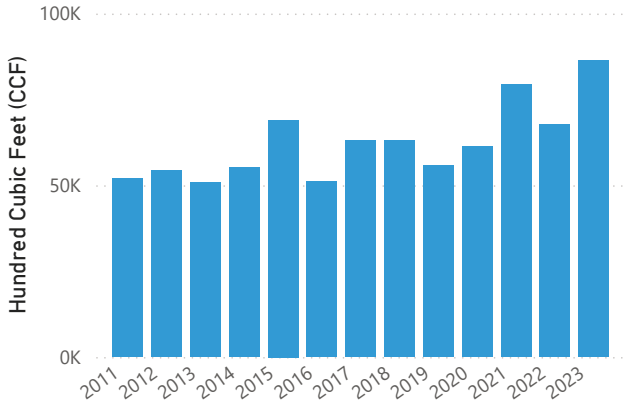
2023 Progress

- 65 % recycling rate (includes compost & recycling).
- 67 % increase in indoor & outdoor water.
- 73 % of forest in healthy condition.

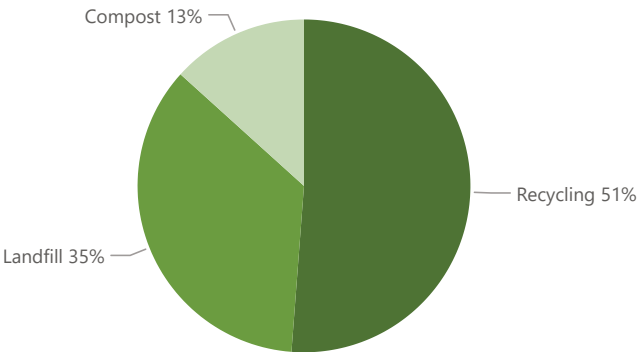
GHG Emissions from Landfill & Composting



Municipal Indoor & Outdoor Water Use



Municipal Waste Composition (Tons), 2023



Municipal Water Energy Use by Source

