



# Environmental Performance Dashboard

Tracking progress in meeting the City's sustainability goals





# CLIMATE CHANGE

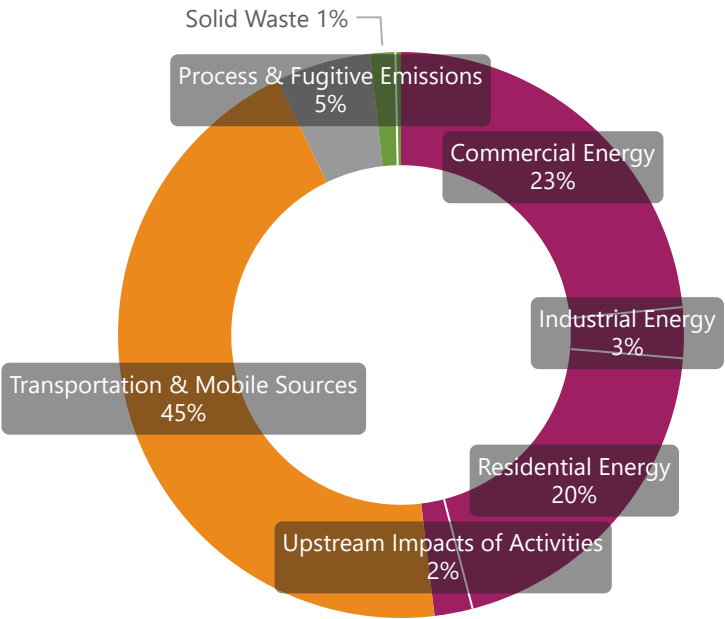
## 2050 Target

80% greenhouse gas reduction.

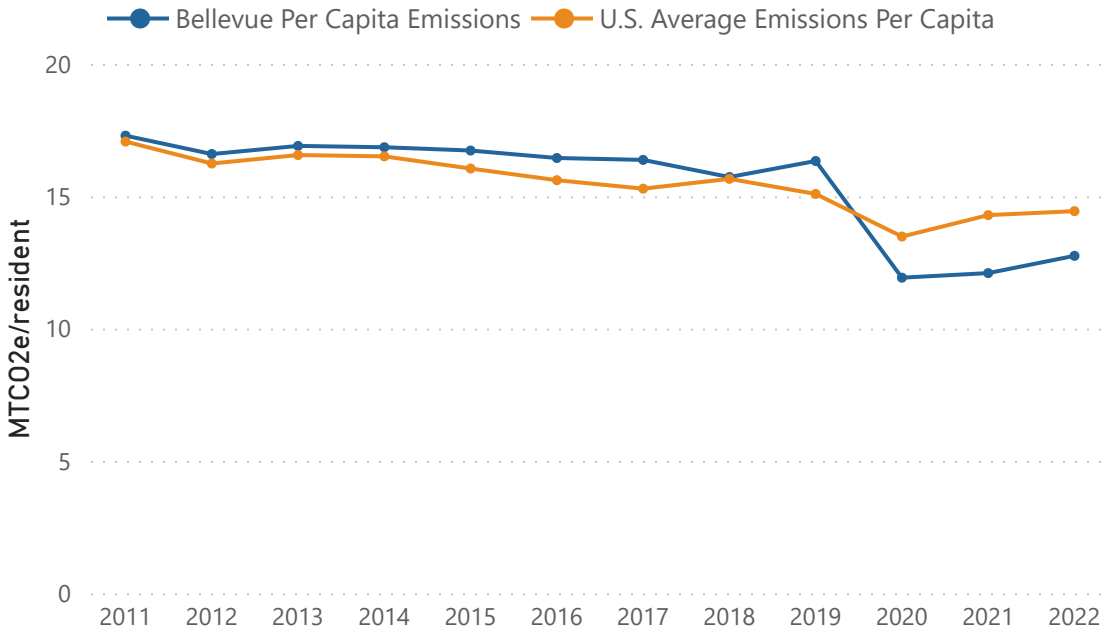
## 2022 Progress

- 8 % decrease in community-wide GHG emissions despite 25 % population growth.
- 26 % reduction in per capita GHG emissions.
- 91 % of communitywide GHG emissions in 2022 came from transportation & buildings.

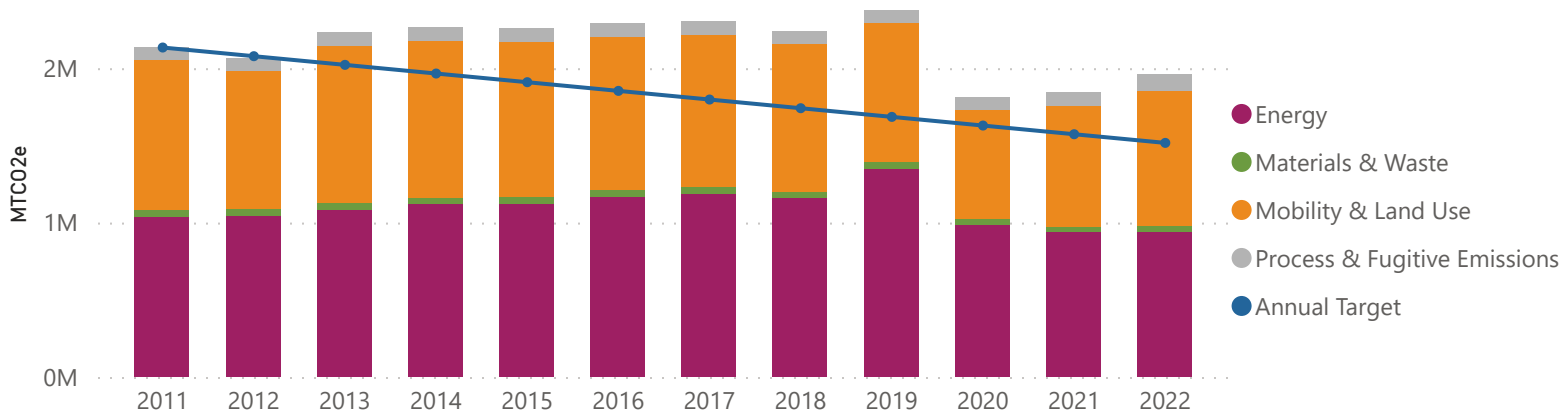
GHG Emissions by Sector, 2022



Per Capita GHG Emissions by Year



Community-wide GHG Emissions



# ENERGY

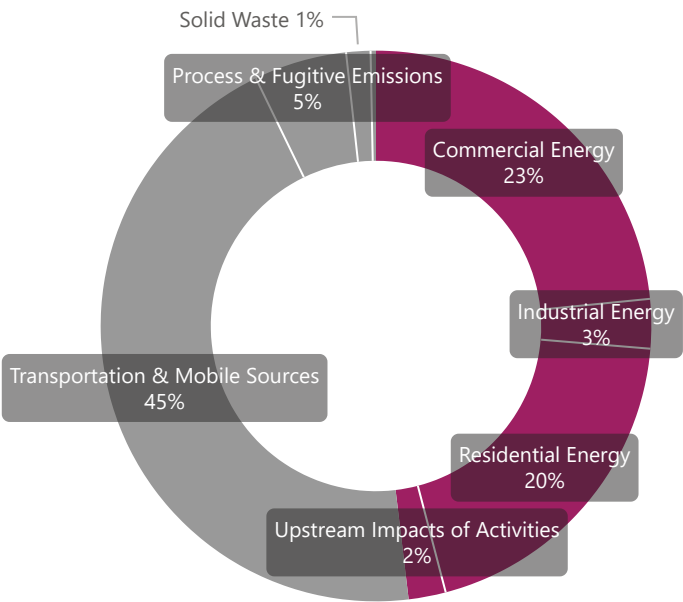
## 2050 Targets

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

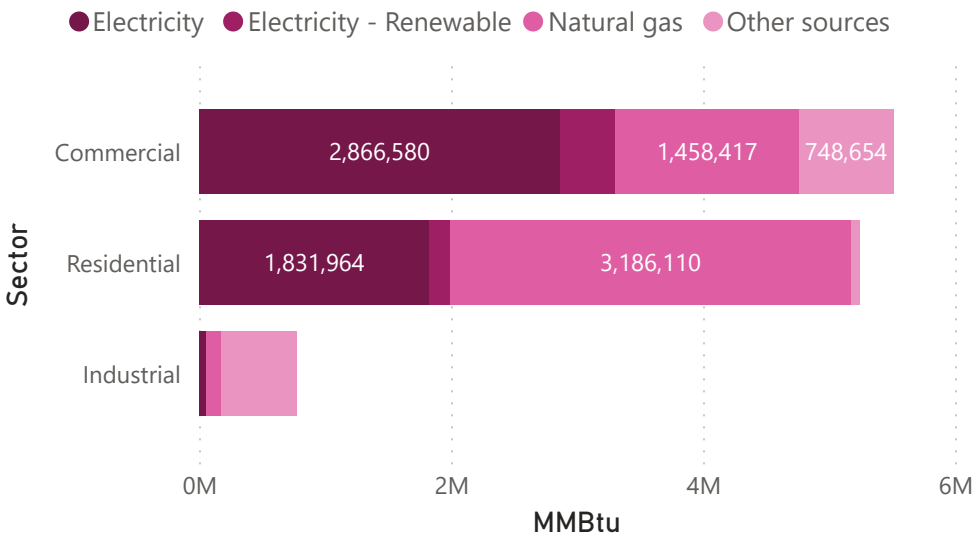
## 2022 Progress

- 45 % of total energy use (electricity and natural gas) comes from the residential sector.
- 48 % of total energy use (electricity and natural gas) comes from commercial operations.
- 2 % decrease in total energy use.

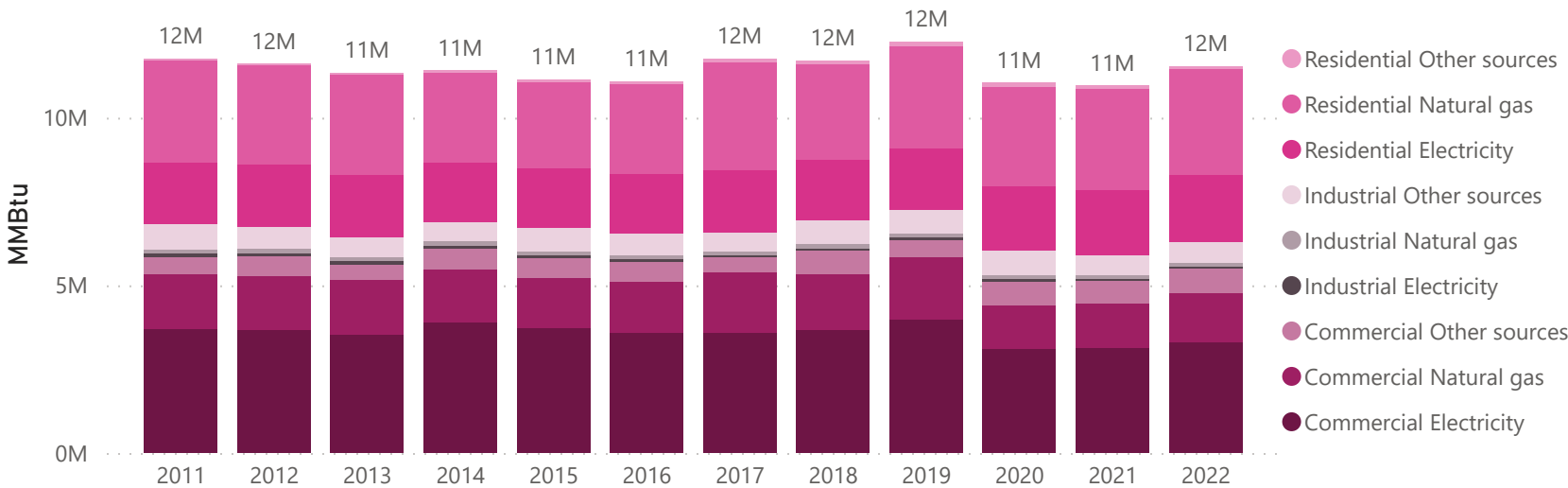
Proportion of 2022 Emissions



Energy Use by Sector & Fuel Type, 2022



Energy Use by Sector & Fuel Type



# ENERGY

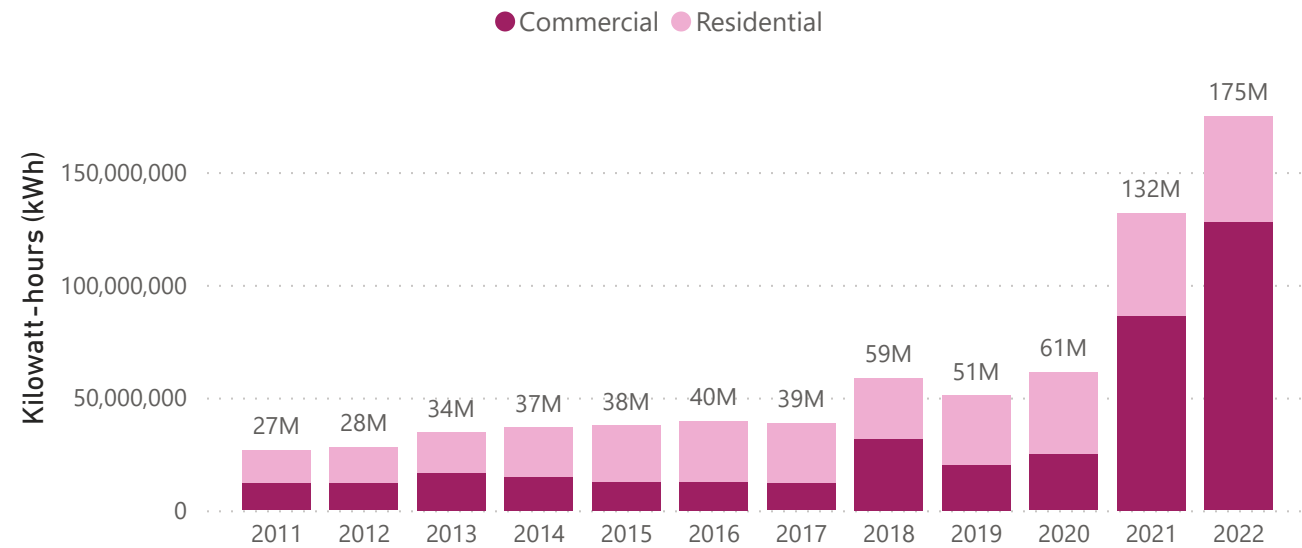
## 2050 Targets

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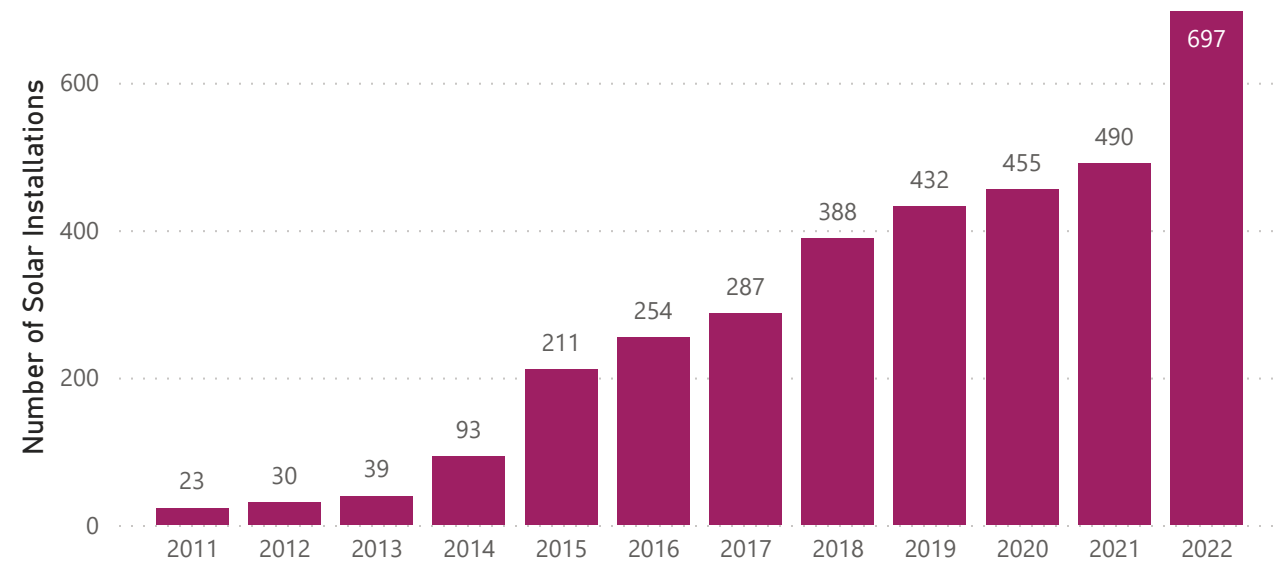
## 2022 Progress

- 552 % increase in renewable electricity purchases.
- 42 % increase in solar array installations per year.

Renewable Electricity Purchases by Bellevue Residents & Businesses



Bellevue Solar Array Installations



# MOBILITY & LAND USE

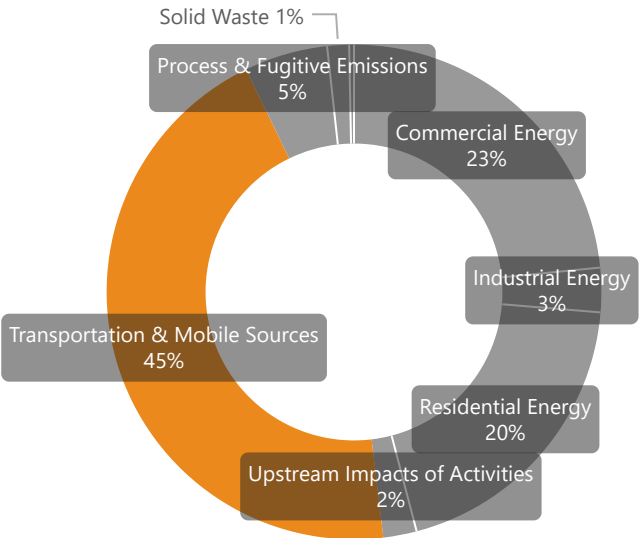
## 2050 Targets

- 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.

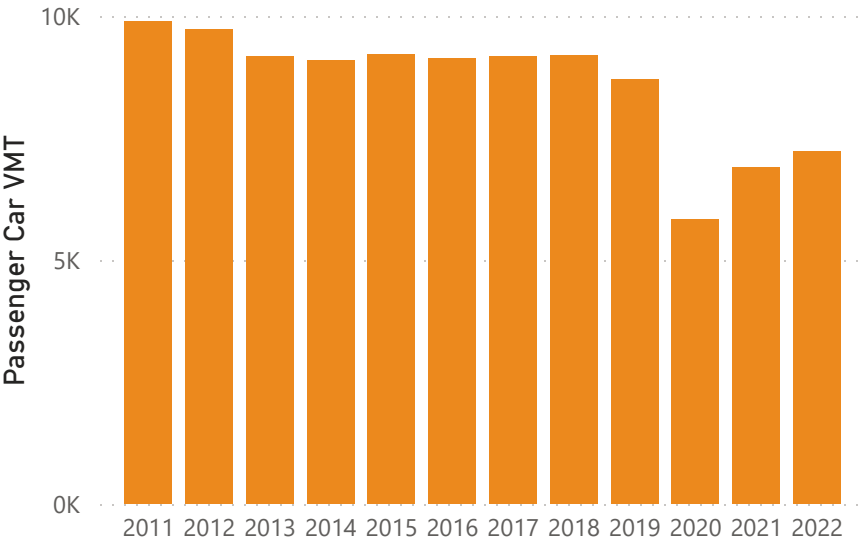
## 2022 Progress

- 47 % of transportation emissions are from passenger cars.
- 27 % reduction in vehicle miles traveled per capita.

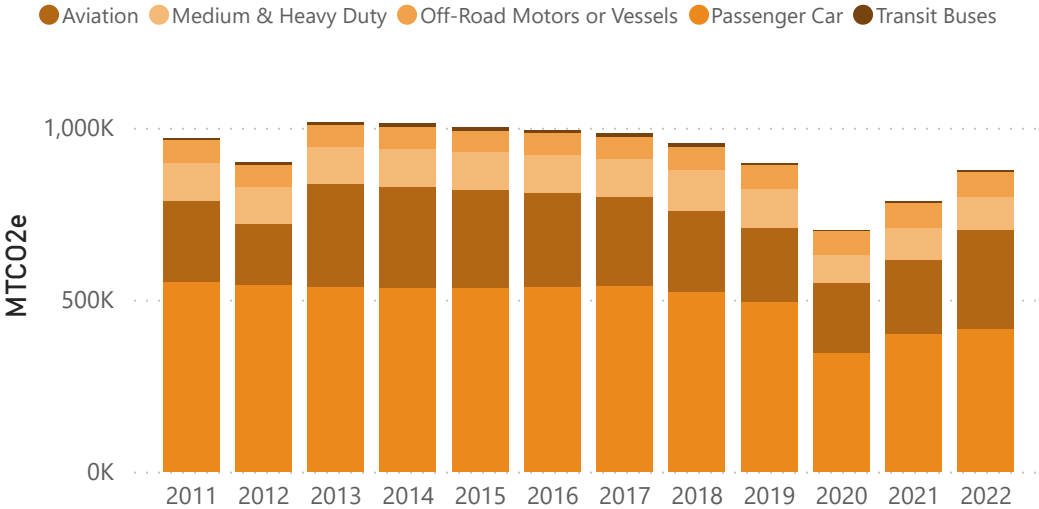
Proportion of 2022 Emissions



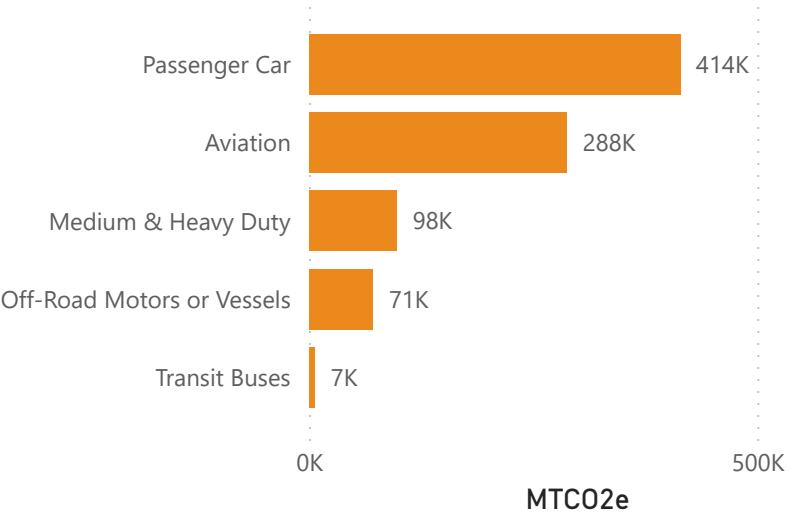
Passenger Cars: Vehicle Miles Traveled Per Capita



GHG Emissions by Vehicle Type



GHG Emissions by Vehicle Type, 2022



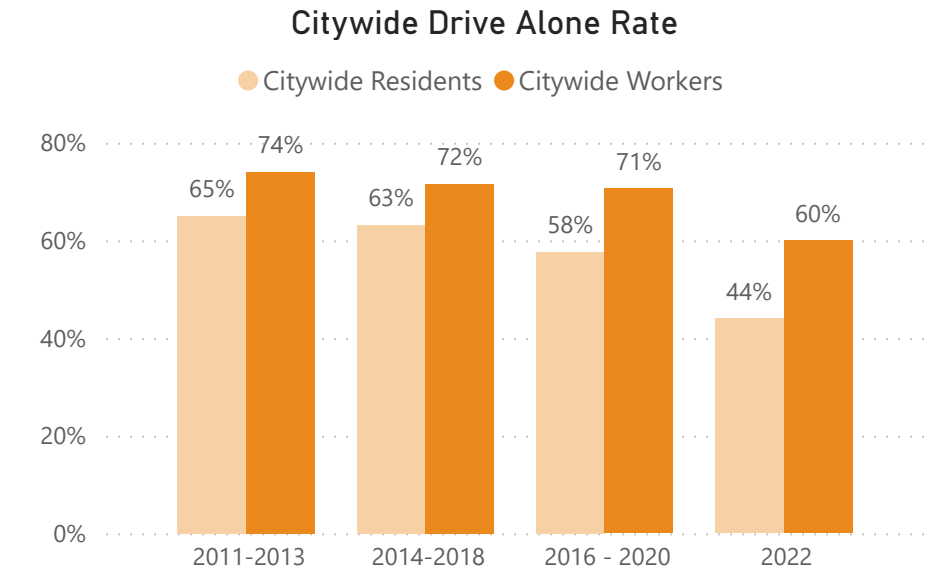
# MOBILITY & LAND USE

## 2050 Targets

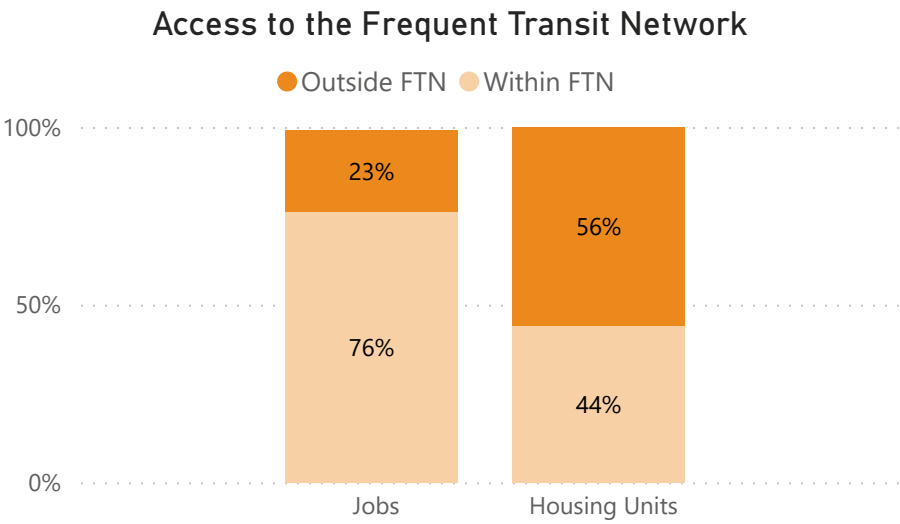
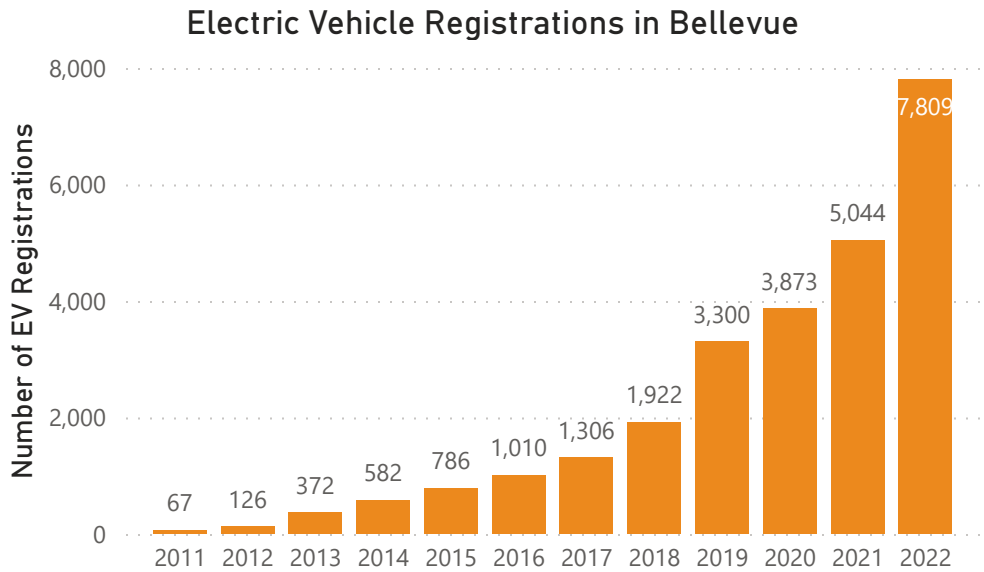
- 50% reduction in vehicle miles traveled per capita.
- 100% electric vehicle (EV) ownership.
- 85% of jobs and 65% of housing within 1/4 mile of frequent transit.
- 45% drive-alone rate.

## 2022 Progress

- 26 % reduction in drive alone rate for workers and residents in Bellevue.
- 59 % 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

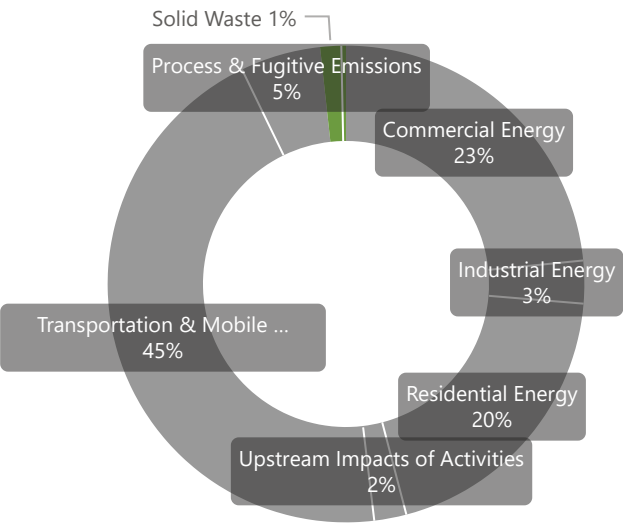
## 2050 Target

Zero Waste.

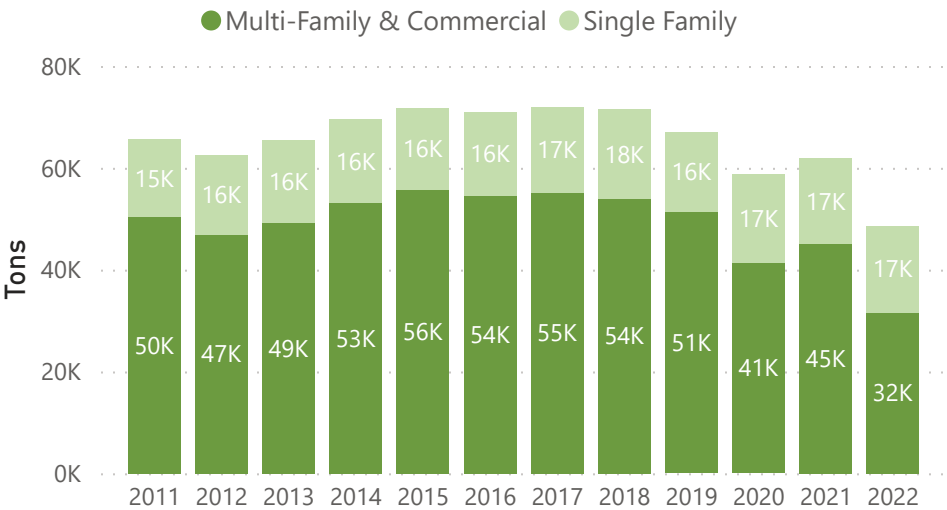
## 2022 Progress

48,595 tons of waste was sent to the landfill in 2022.

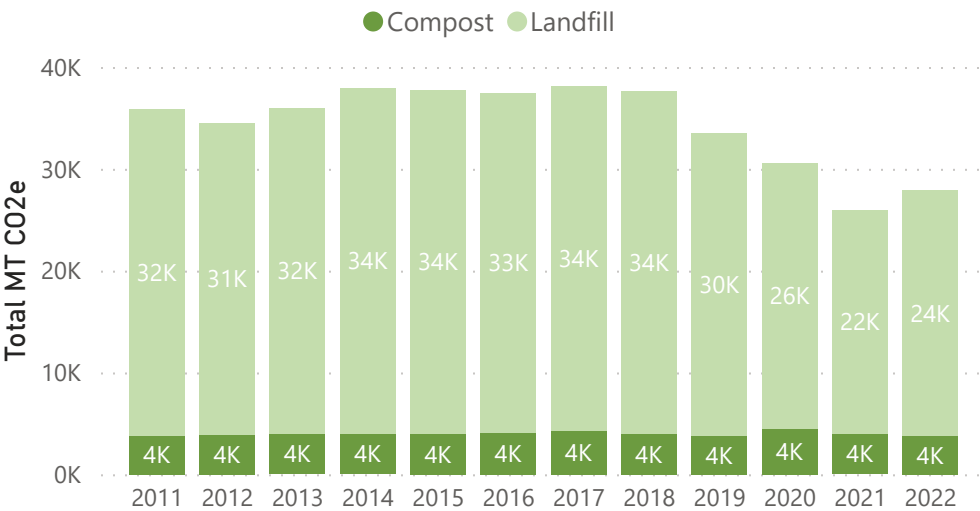
Proportion of 2022 Emissions



Landfill Waste by Sector



GHG Emissions from Landfill & Composting



# MATERIALS & WASTE

## 2050 Target

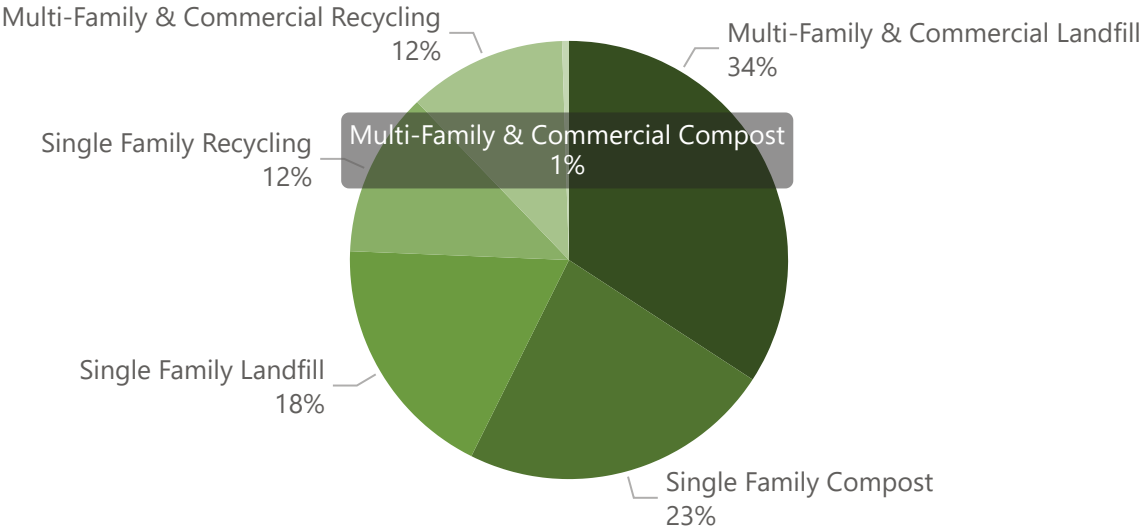
Zero Waste.

## 2022 Progress

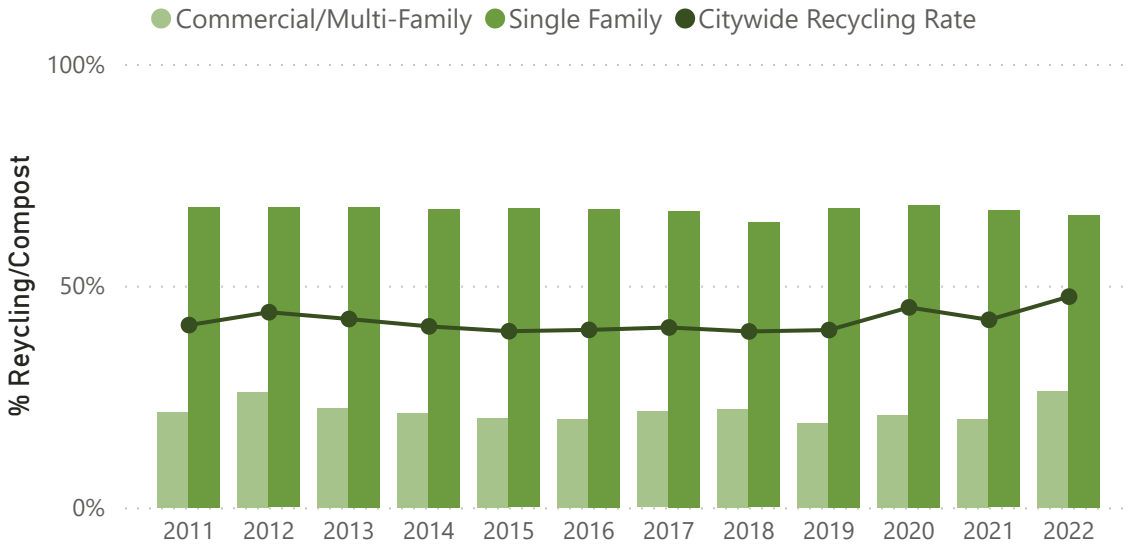
48 % recycling rate in Bellevue, including recycling and compost.

34 % of all waste comes from commercial and multi-family units and is landfilled.

Waste Streams in 2022



Community Recycling Rate by Sector





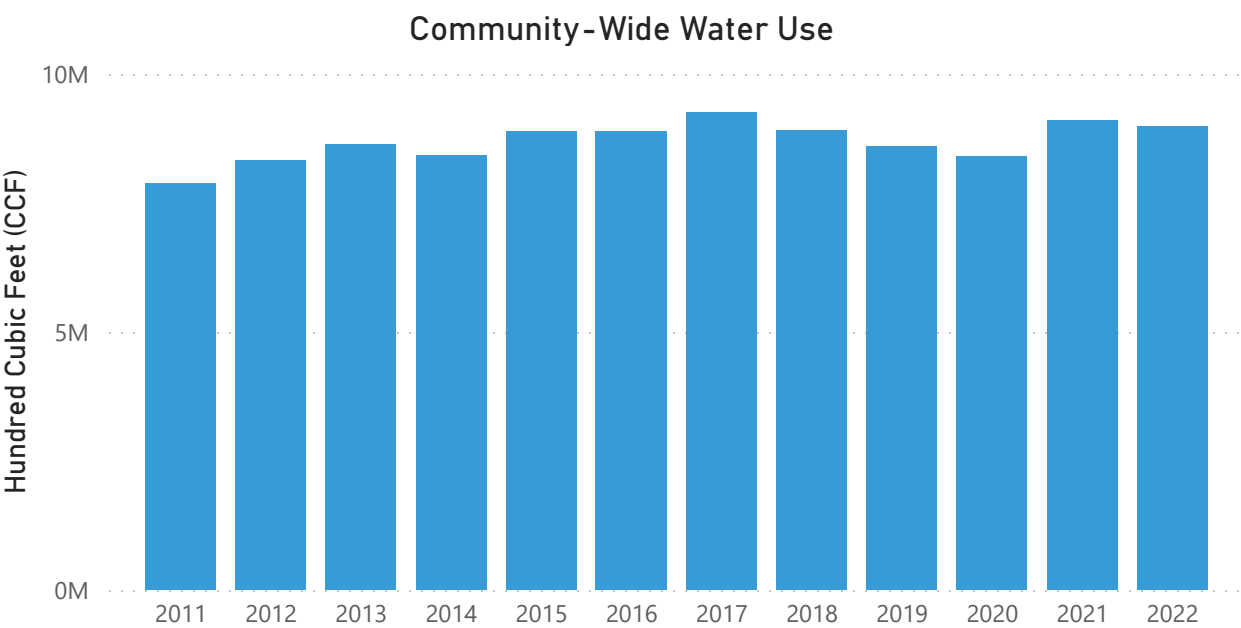
# NATURAL SYSTEMS

## 2050 Targets

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

## 2022 Progress

- 14 % 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.

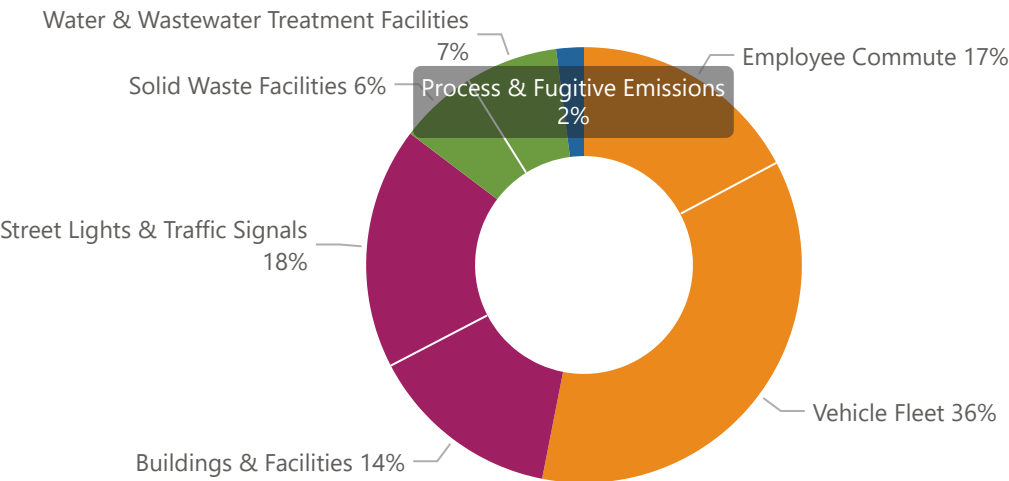
## 2022 Progress

48 % GHG emissions reduction.

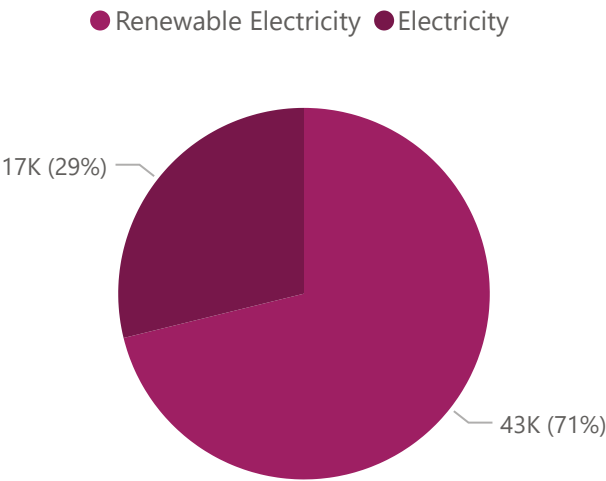
71 % renewable electricity used in city operations.

23 % reduction in municipal energy use.

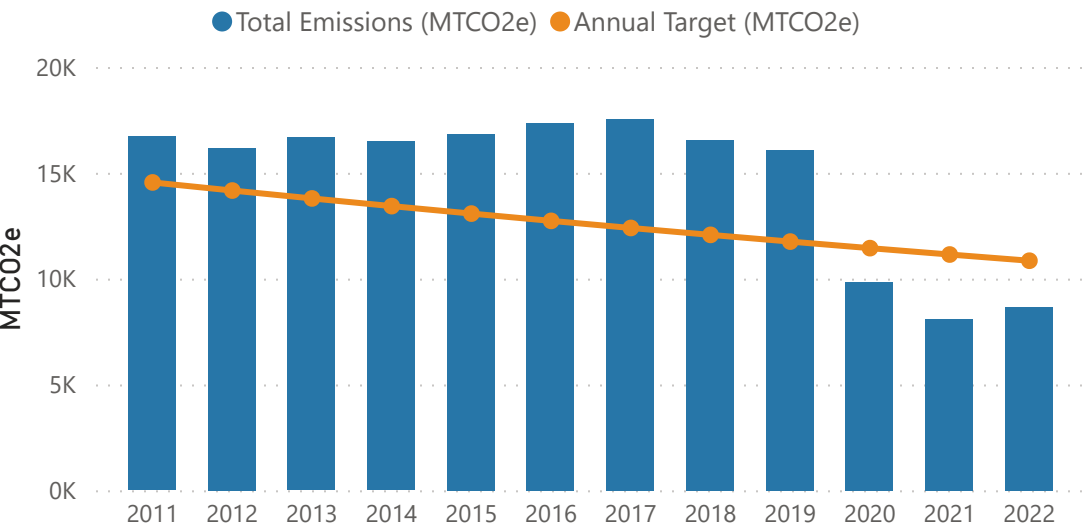
Municipal GHG Emissions by Sector, 2022



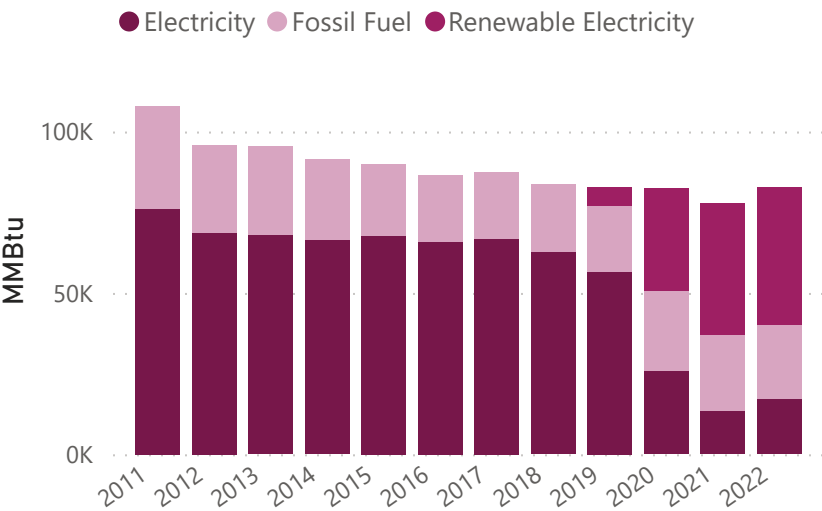
Municipal Energy Composition, 2022



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.

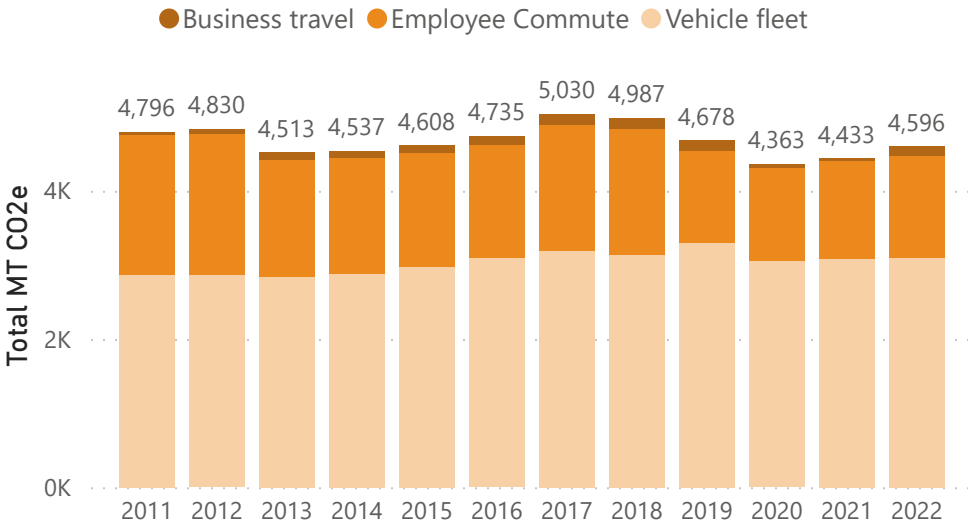
## 2022 Progress

- 50 % of city employees commuting alone.
- 3 % of light-duty fleet vehicles are electric.
- 8 % fossil fuel reduction from fleet vehicles.

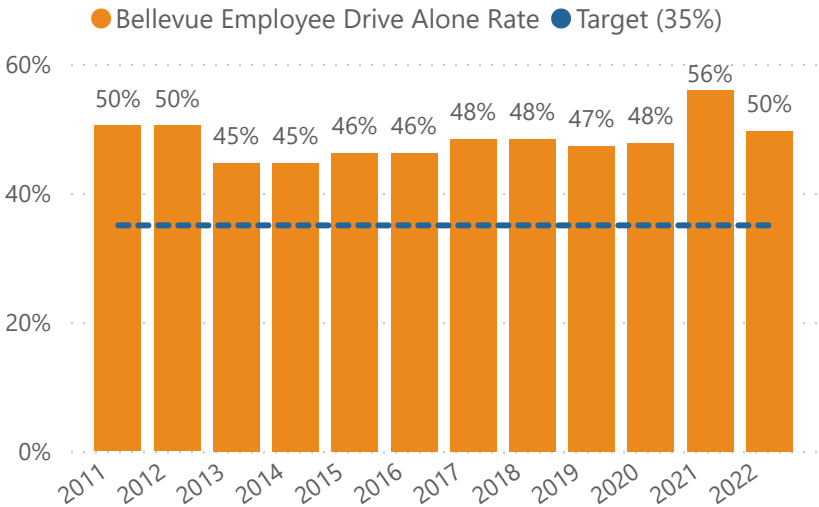
### Bellevue Employee EV Commuters

Year	% Own or Lease a BEV/PHEV
2021	12%
2022	14%

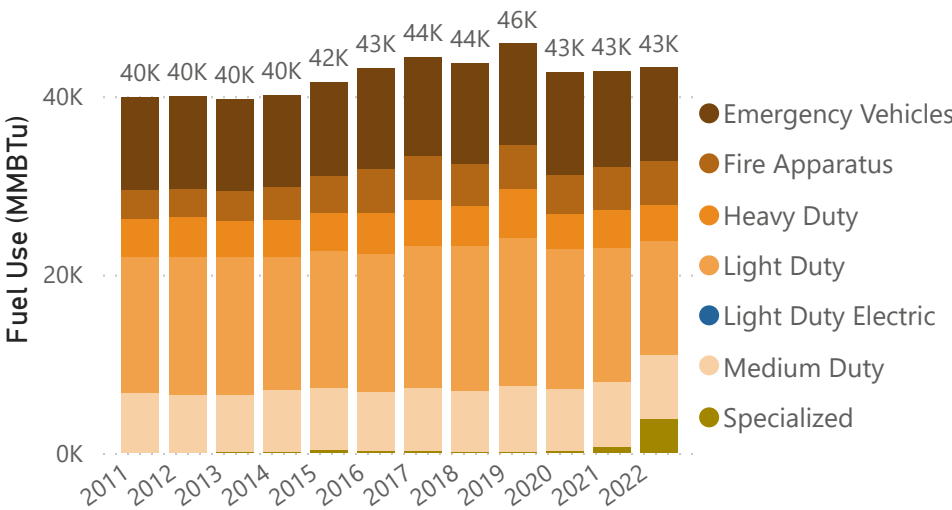
GHG Emissions from Transportation



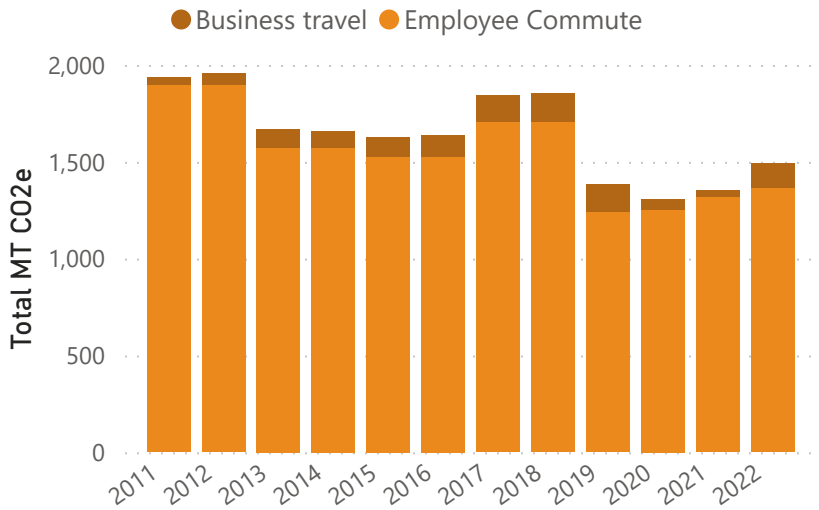
Drive Alone Rate for Municipal Employees



Municipal Fleet Fuel Use



GHG Emissions from Business Travel



# MUNICIPAL OPERATIONS

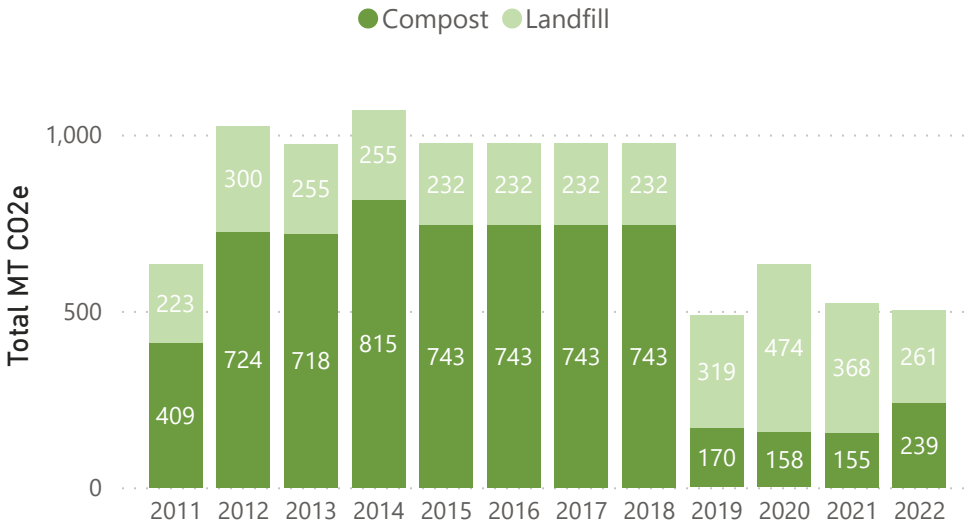
## 2040 Targets

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

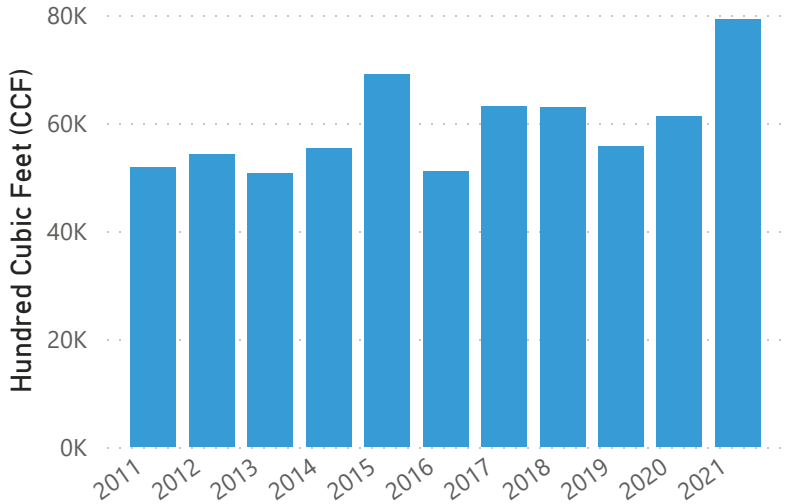
## 2022 Progress

- 62 % recycling rate (includes compost & recycling).
- 53 % increase in indoor & outdoor water.
- 73 % of forest in healthy condition.

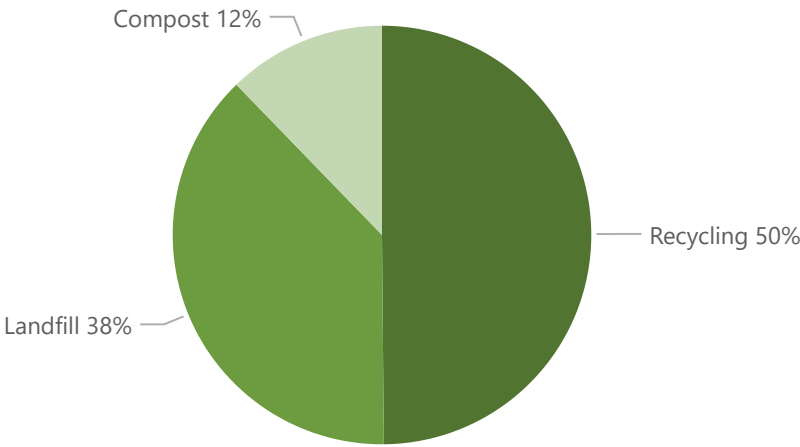
GHG Emissions from Landfill & Composting



Municipal Indoor & Outdoor Water Use



Municipal Waste Composition (Tons), 2022



GHG Emissions from Water Infrastructure

