

Bellevue Sustainability Dashboard:

# CLIMATE CHANGE

## 2050 Target

**80% greenhouse gas reduction.**

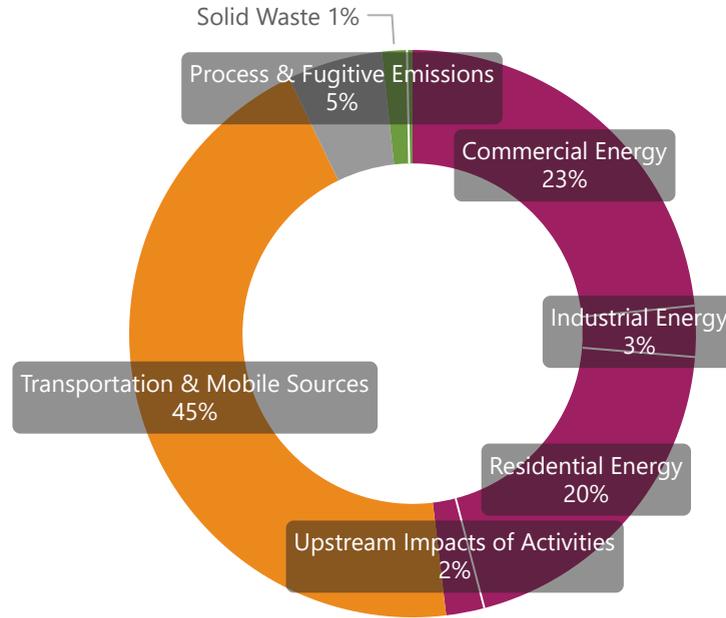
## 2022 Progress

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

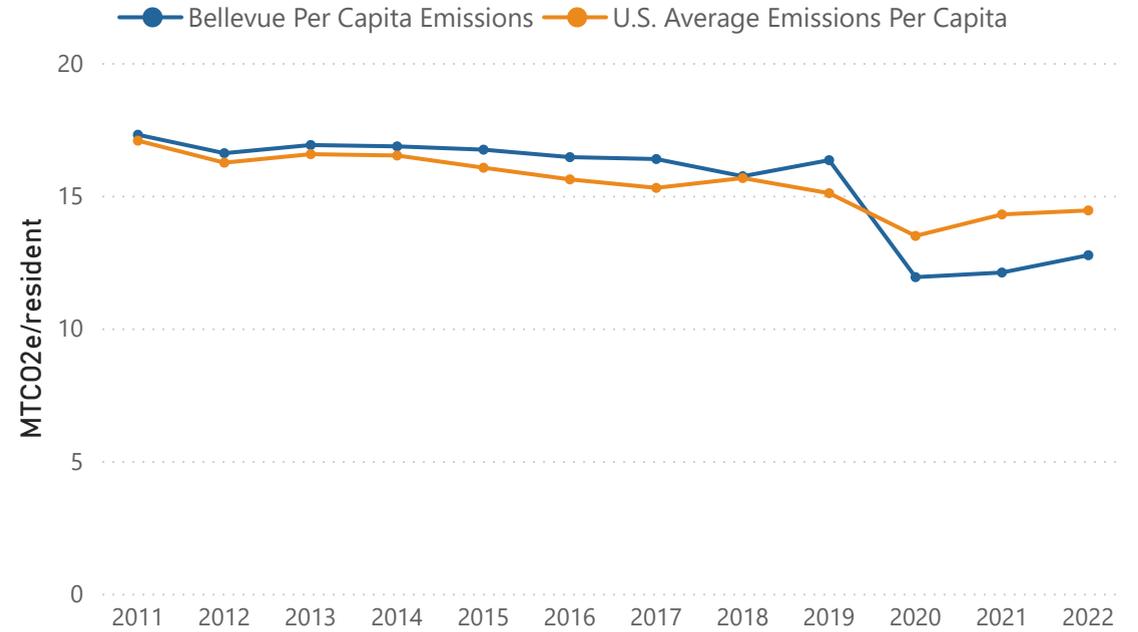
**26 %** reduction in per capita GHG emissions.

**91 %** of communitywide GHG emissions in 2022 came from transportation & buildings.

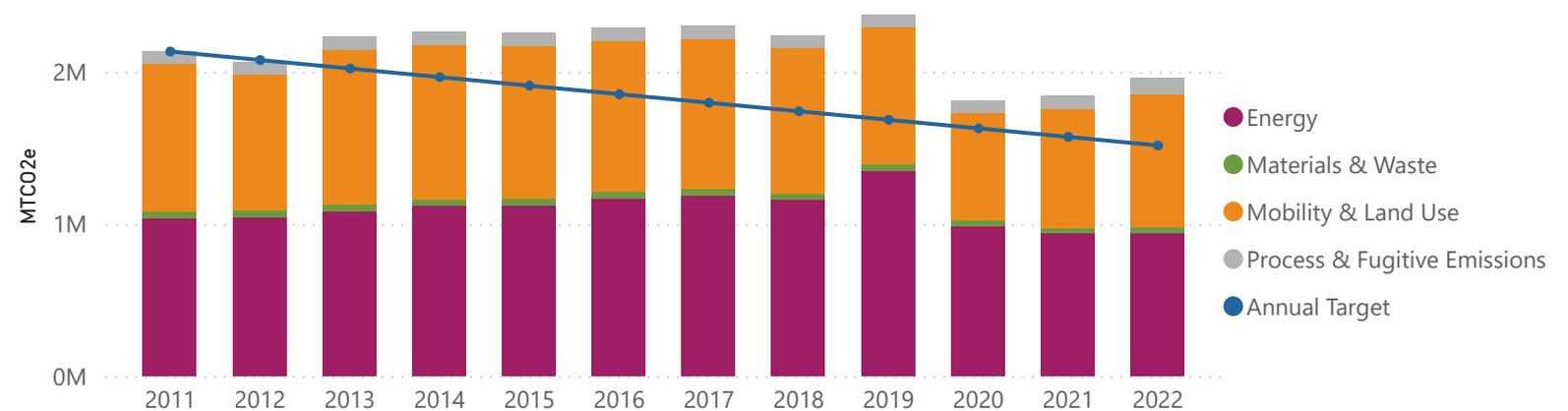
GHG Emissions by Sector, 2022



Per Capita GHG Emissions by Year



Community-wide GHG Emissions



# ENERGY

## 2050 Targets

100% renewable energy.

30% energy use reduction.

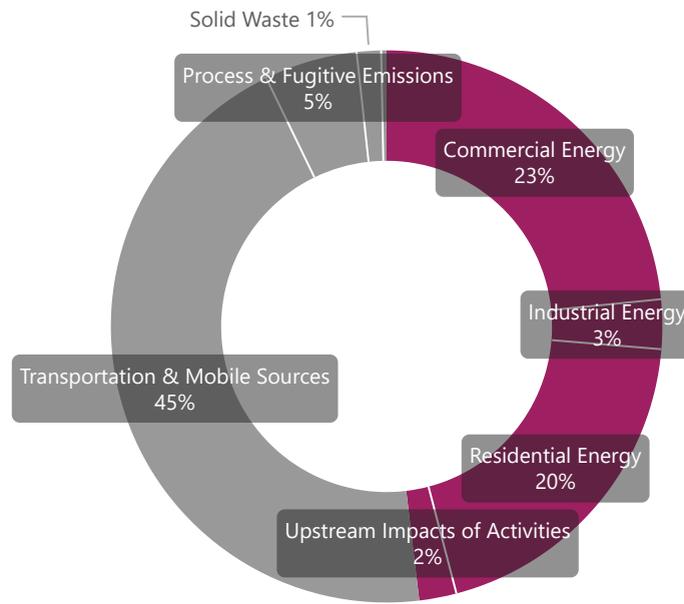
## 2022 Progress

45 % of total energy use (electricity and natural gas) comes from the residential sector.

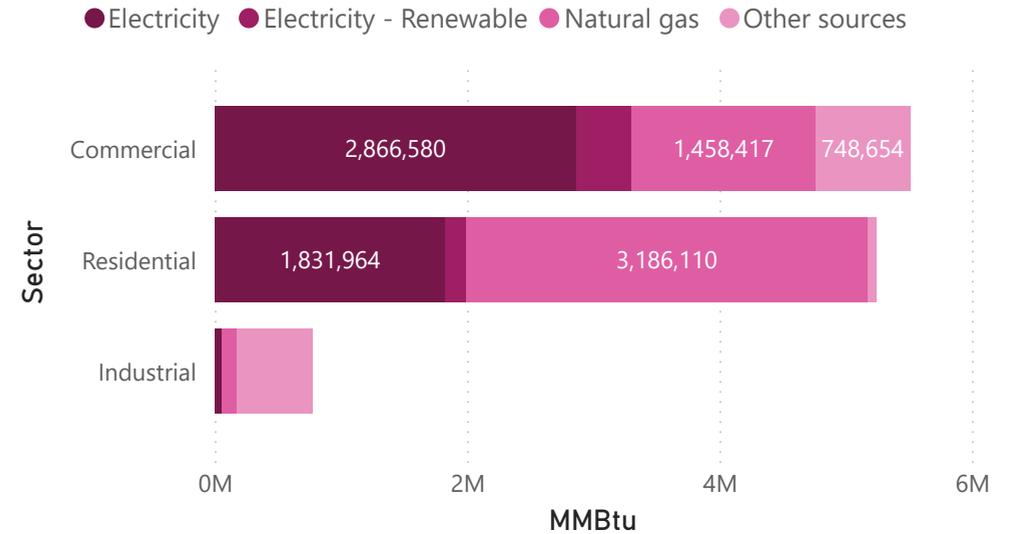
48 % of total energy use (electricity and natural gas) comes from commercial operations.

2 % decrease in total energy use.

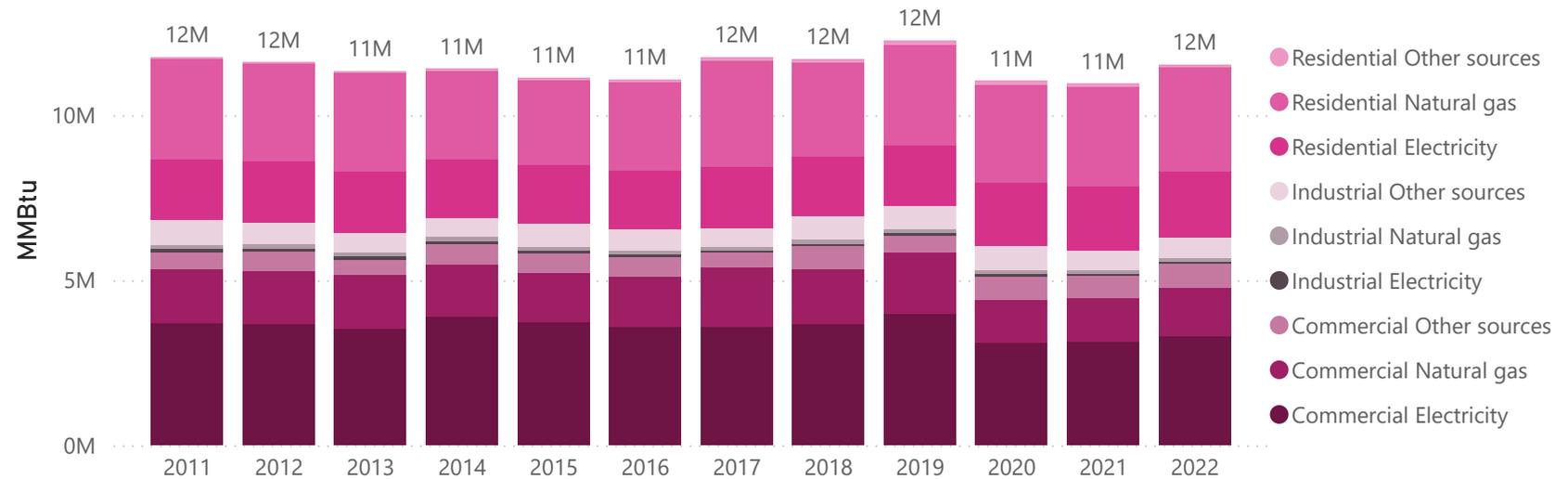
Proportion of 2022 Emissions



Energy Use by Sector & Fuel Type, 2022



Energy Use by Sector & Fuel Type



## Bellevue Sustainability Dashboard:

# ENERGY

## 2050 Targets

**100% renewable energy.**

**30% energy use reduction.**

## 2022 Progress

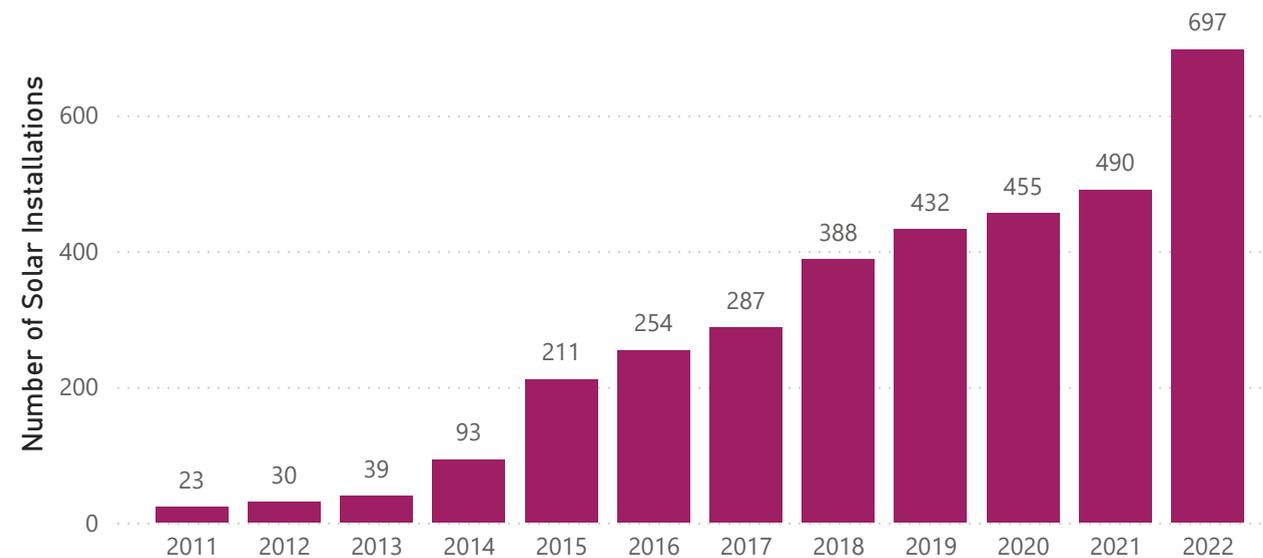
**552 %** increase in renewable electricity purchases.

**42 %** increase in solar array installations per year.

### Renewable Electricity Purchases by Bellevue Residents & Businesses



### Bellevue Solar Array Installations



# MOBILITY & LAND USE

## 2050 Targets

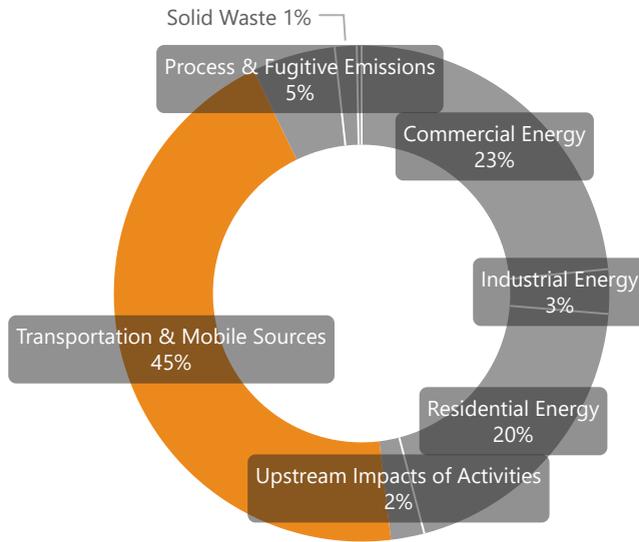
**45% drive-alone rate.**

**100% electric vehicle (EV) ownership.**

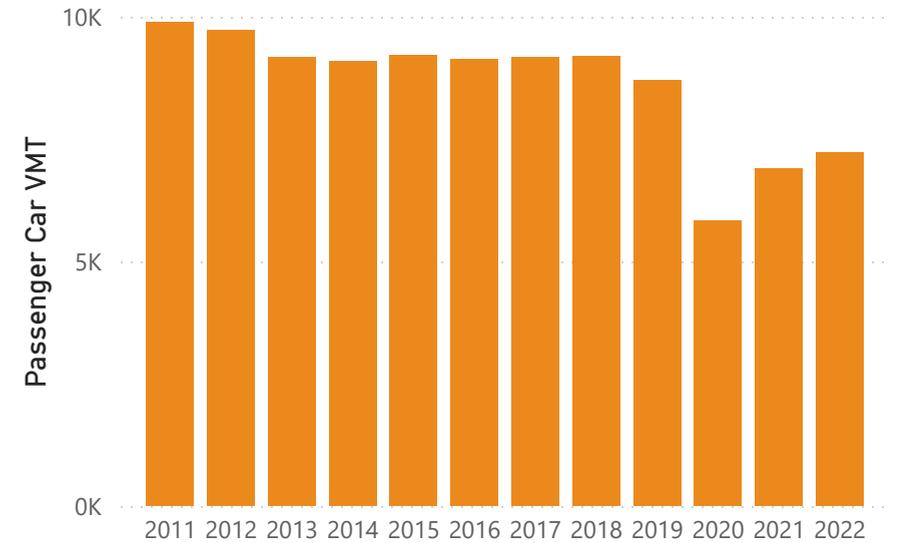
**50% reduction in vehicle miles traveled per capita.**

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

Proportion of 2022 Emissions



Passenger Cars: Vehicle Miles Traveled Per Capita

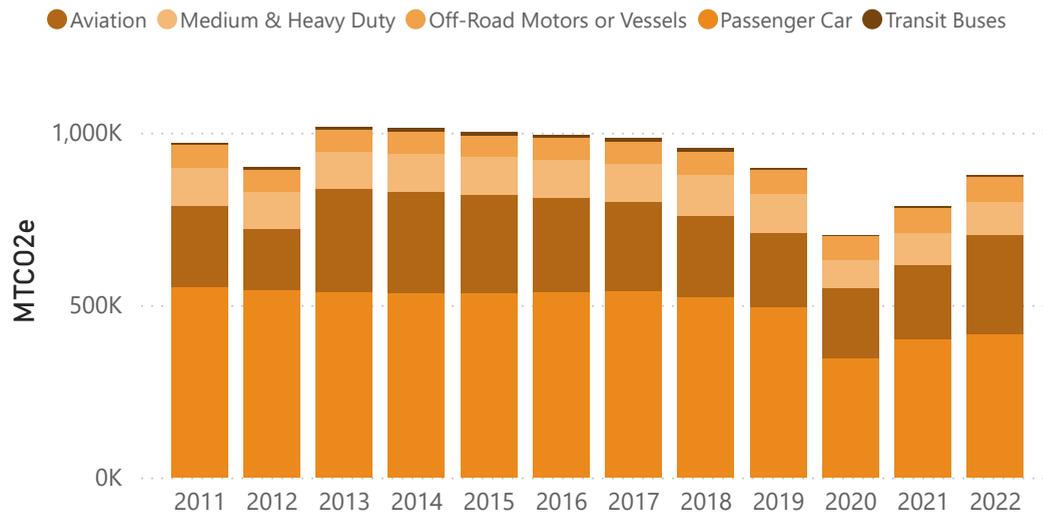


## 2022 Progress

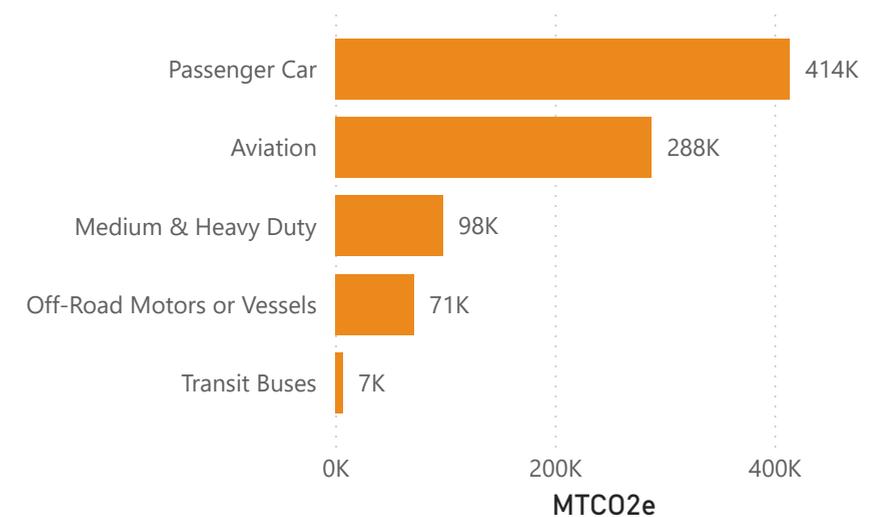
**47%** of transportation emissions are from passenger cars.

**27%** reduction in vehicle miles traveled per capita.

GHG Emissions by Vehicle Type



GHG Emissions by Vehicle Type, 2022



# MOBILITY & LAND USE

## 2050 Targets

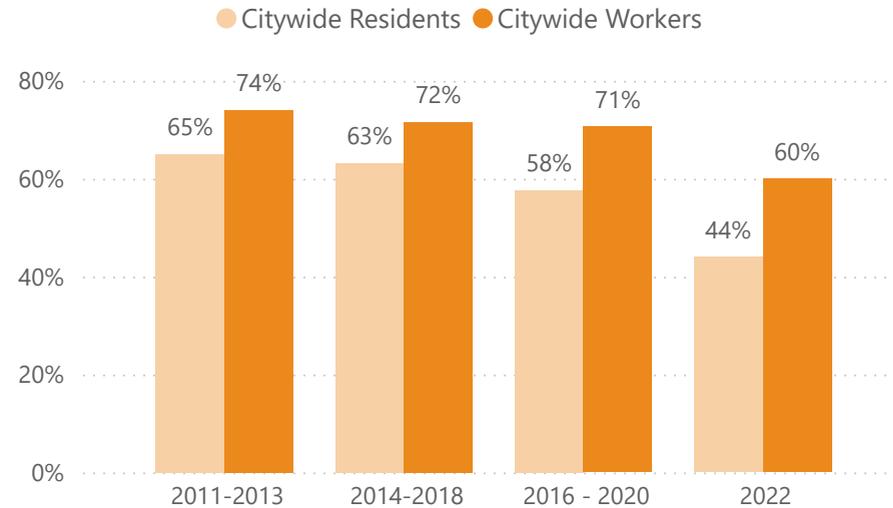
**50% reduction in vehicle miles traveled per capita.**

**100% electric vehicle (EV) ownership.**

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

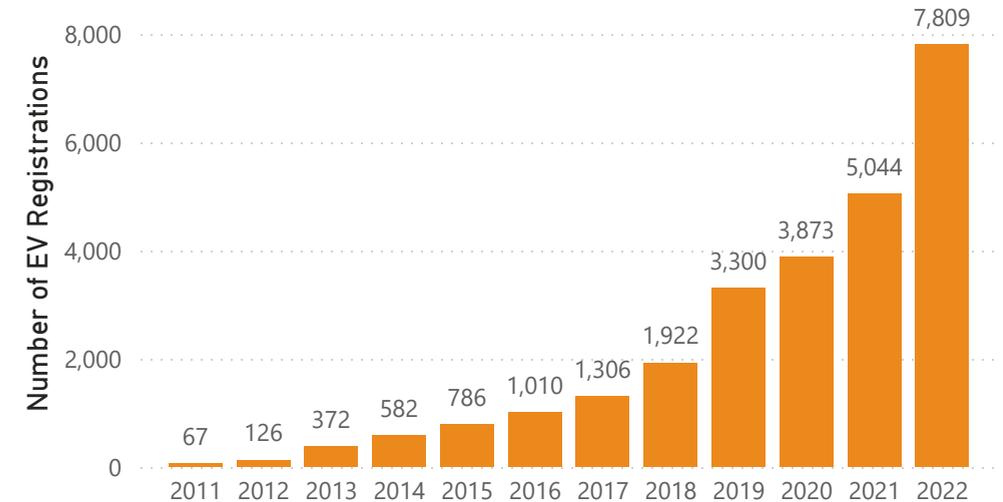
**45% drive-alone rate.**

Citywide Drive Alone Rate



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

Electric Vehicle Registrations in Bellevue



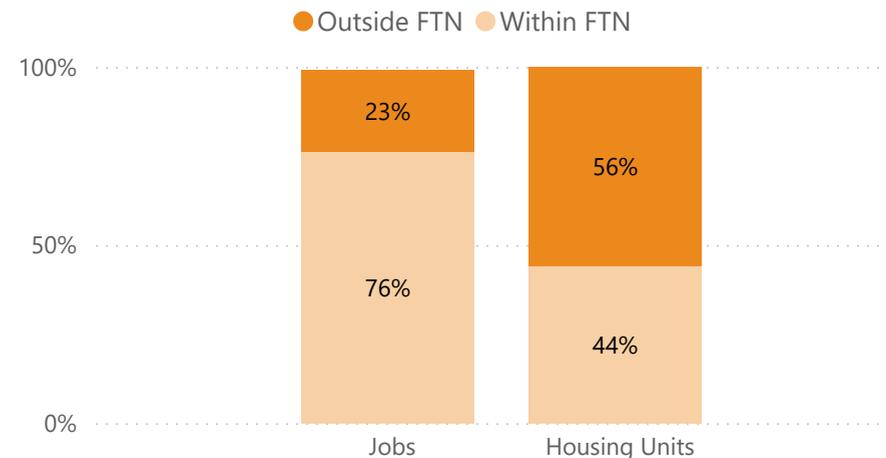
## 2022 Progress

**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.

Access to the Frequent Transit Network



\*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

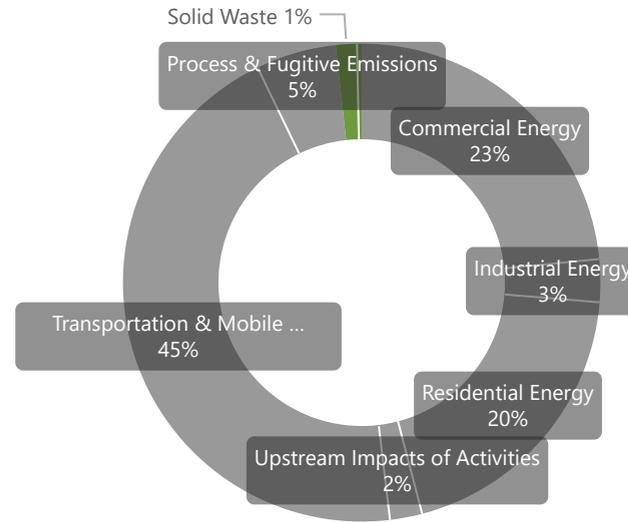
## 2050 Target

**Zero Waste.**

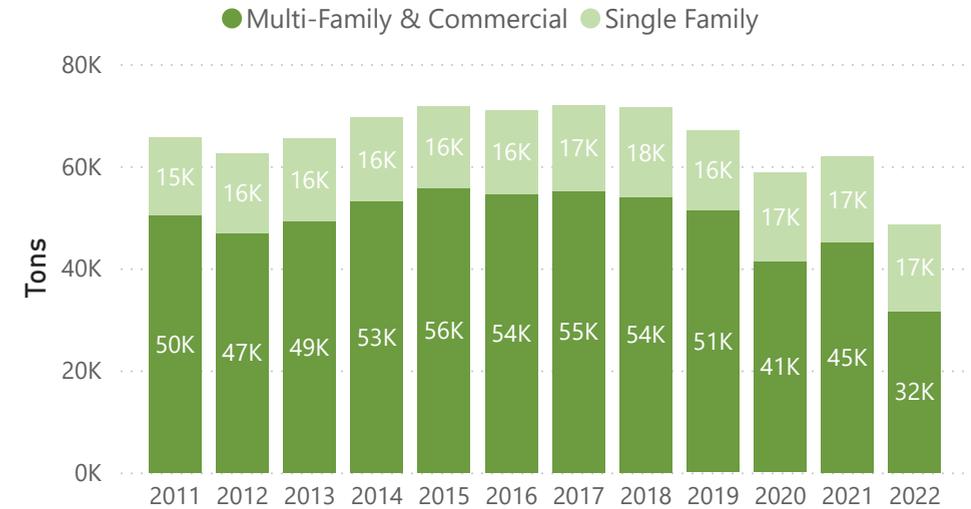
## 2022 Progress

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

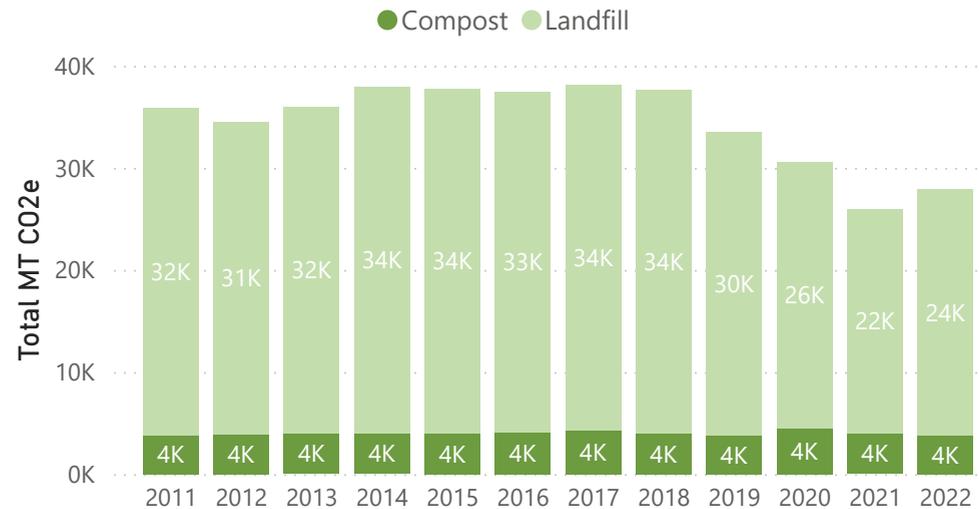
Proportion of 2022 Emissions



Landfill Waste by Sector



GHG Emissions from Landfill & Composting



# MATERIALS & WASTE

## 2050 Target

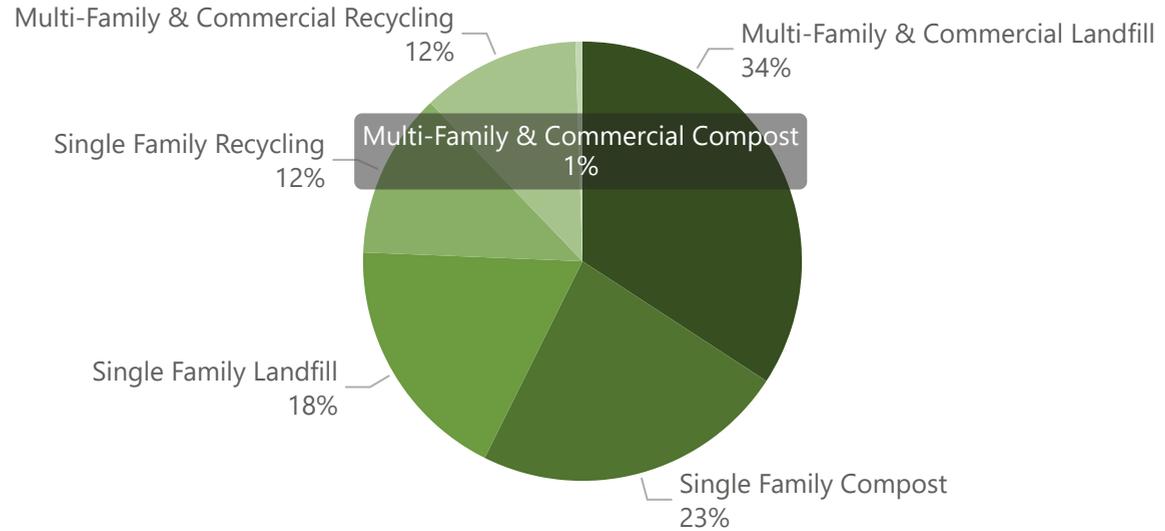
Zero Waste.

## 2022 Progress

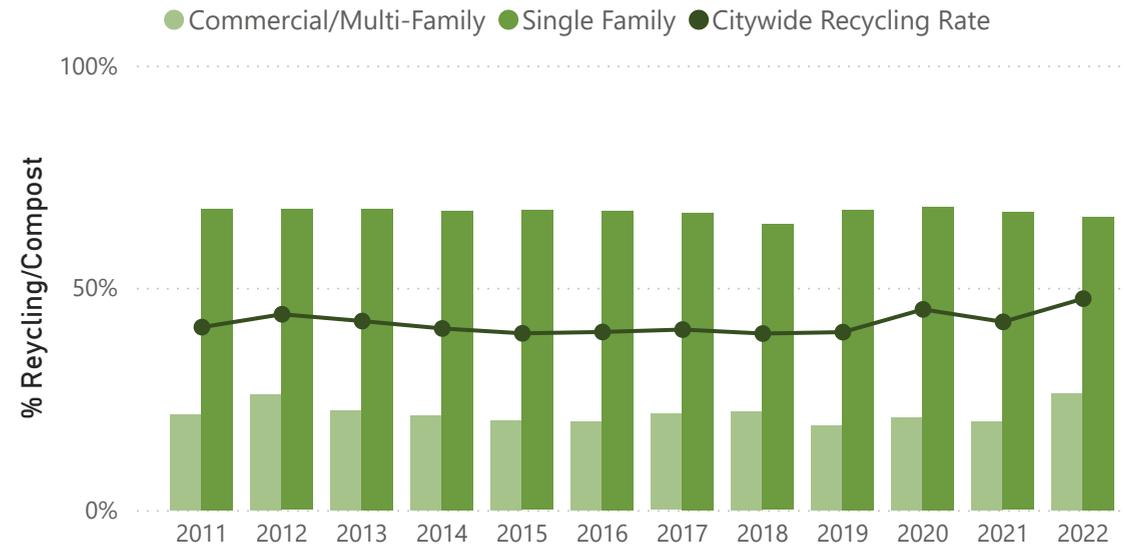
**48 %** recycling rate in Bellevue, including recycling and compost.

**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.

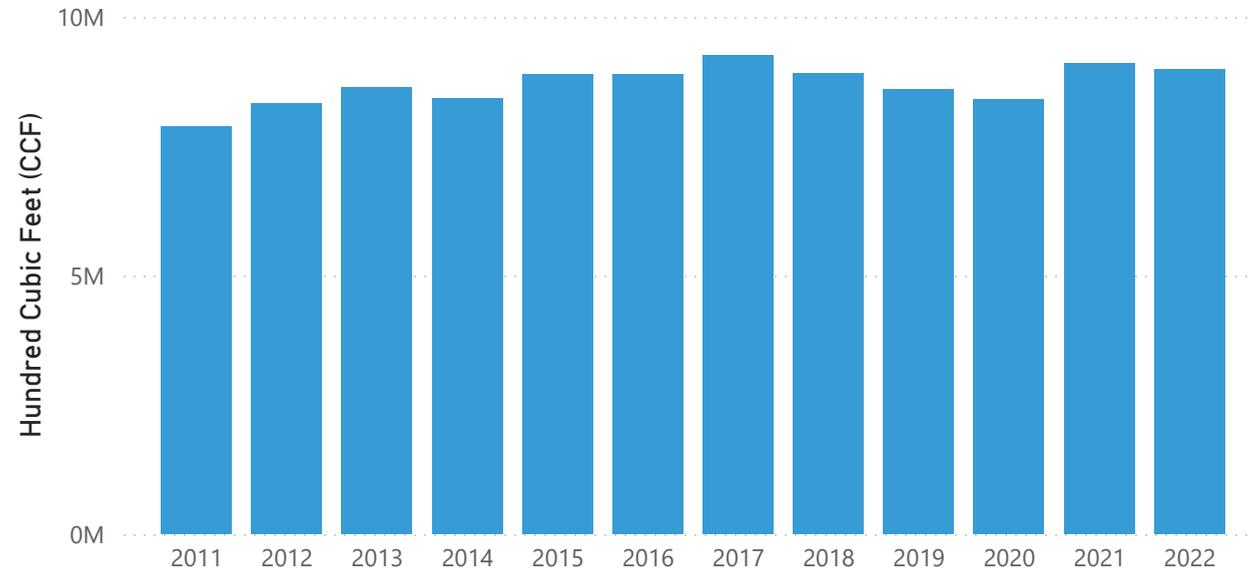
100% of residents live within 1/3 mile of a park, open space, or trail.

## 2022 Progress

14 % increase in potable water use despite 25 % population growth.

40 % tree canopy cover.

Community-Wide Water Use



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.**

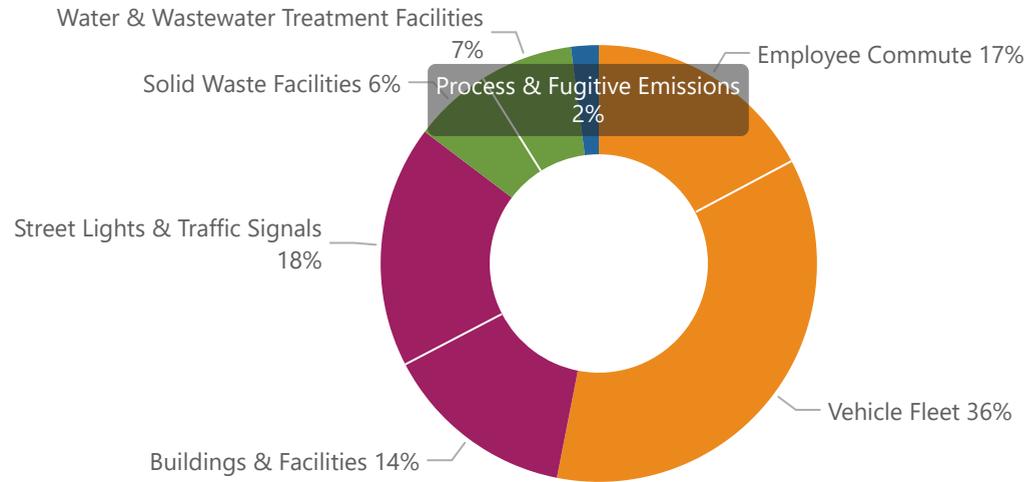
## 2022 Progress

**48 % GHG emissions reduction.**

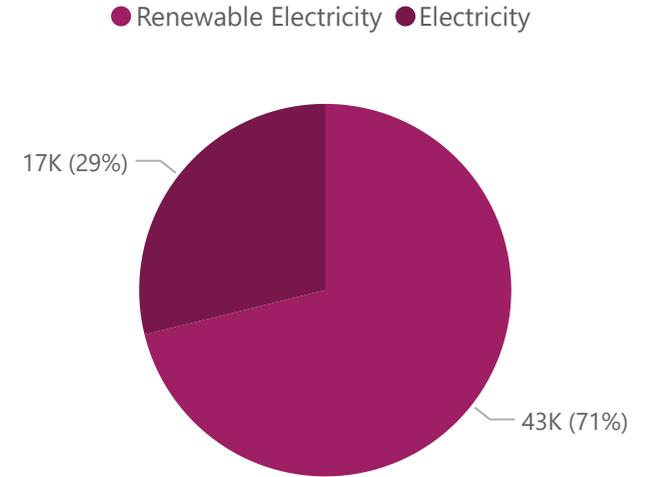
**71 % renewable electricity used in city operations.**

**23 % reduction in municipal energy use.**

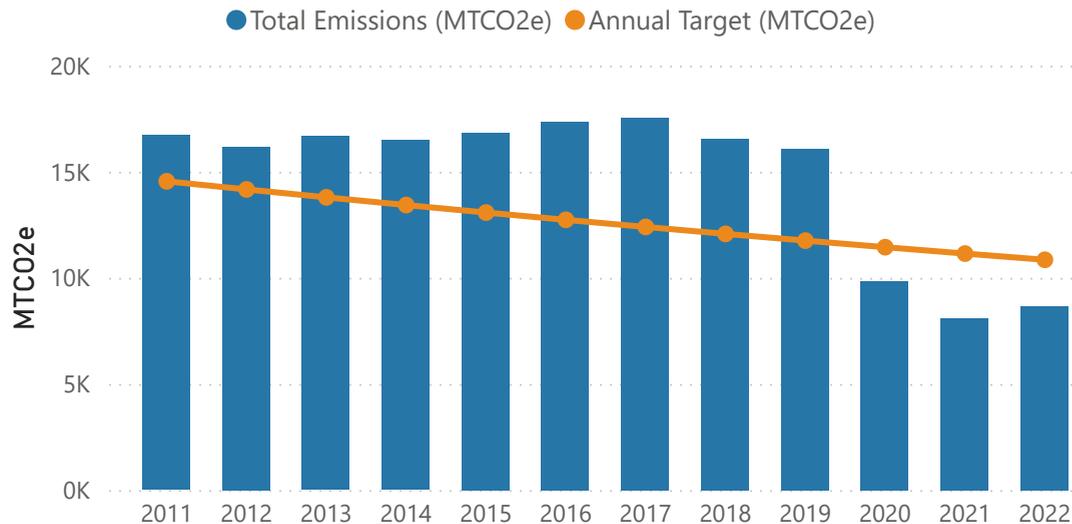
Municipal GHG Emissions by Sector, 2022



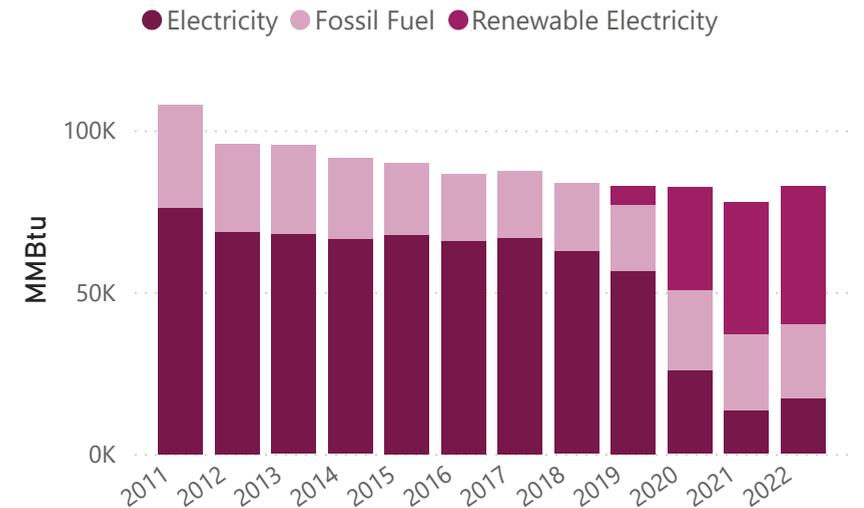
Municipal Energy Composition, 2022



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.

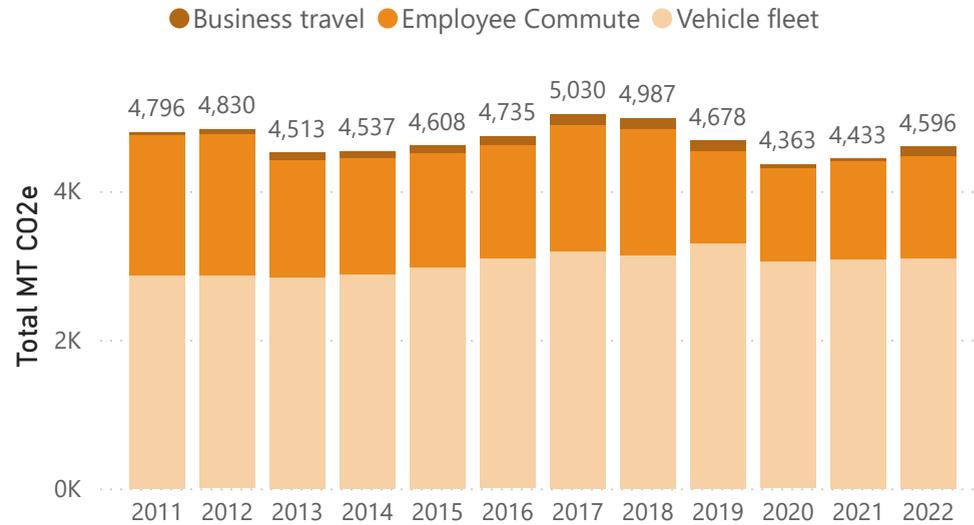
**3 %** of light-duty fleet vehicles are electric.

**8 %** fossil fuel reduction from fleet vehicles.

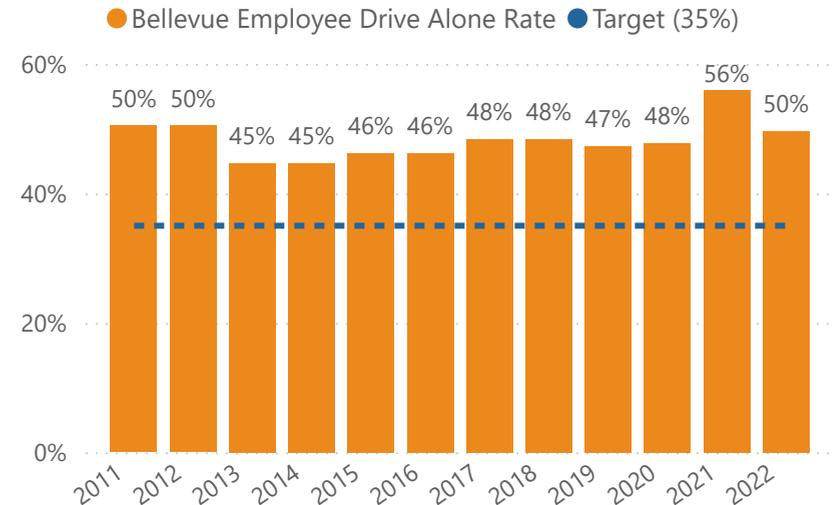
### Bellevue Employee EV Commuters

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

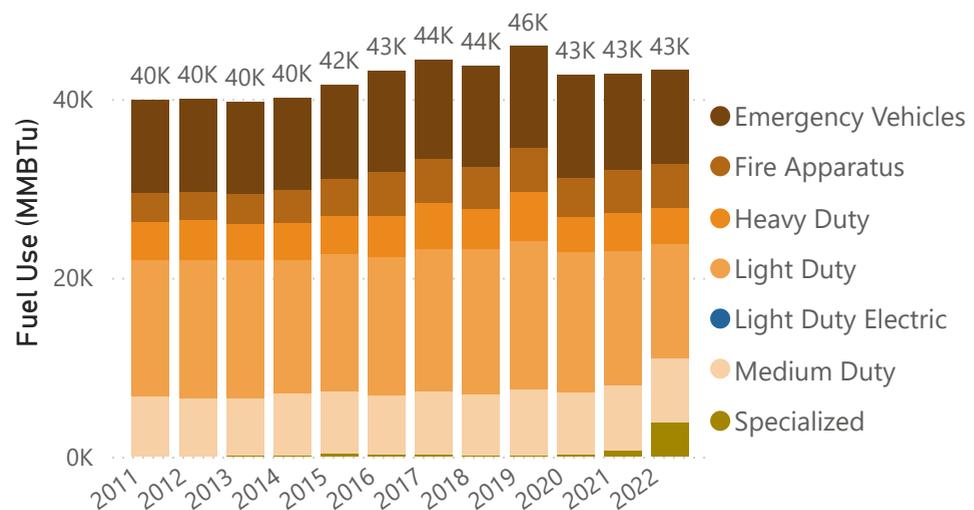
GHG Emissions from Transportation



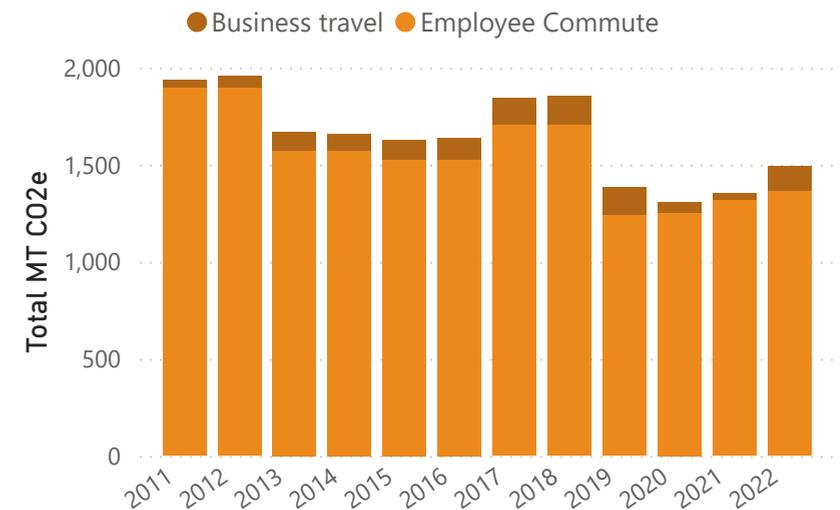
Drive Alone Rate for Municipal Employees



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.

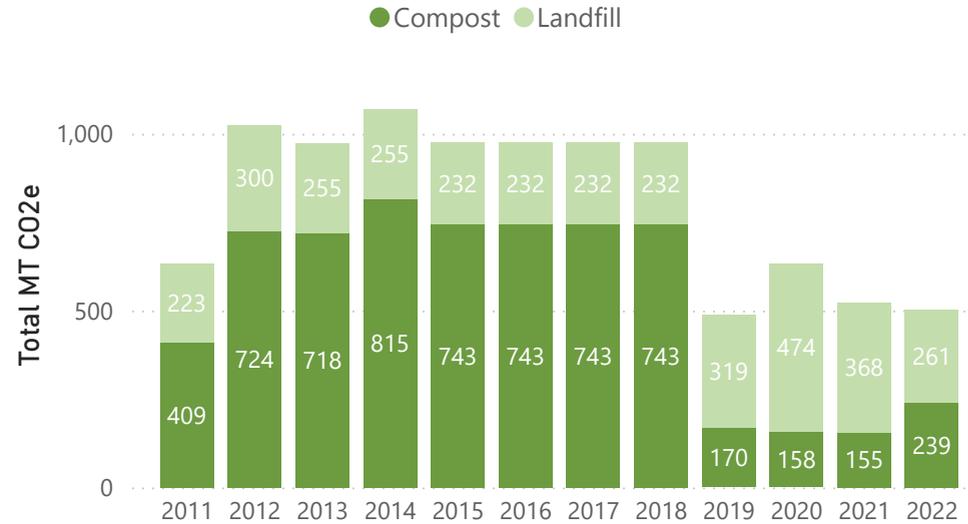
## 2022 Progress

62 % recycling rate (includes compost & recycling).

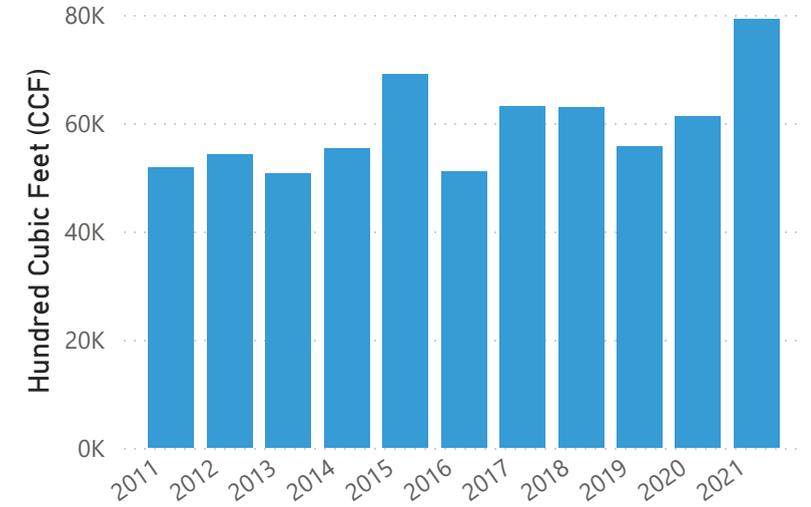
53 % increase in indoor & outdoor water.

73 % of forest in healthy condition.

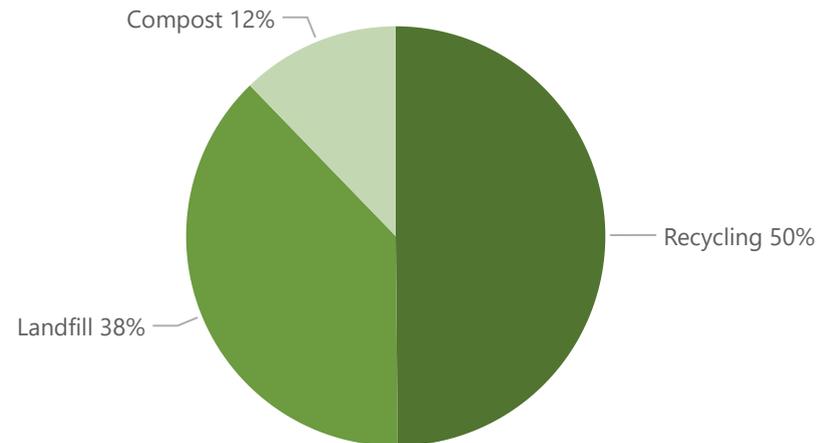
GHG Emissions from Landfill & Composting



Municipal Indoor & Outdoor Water Use



Municipal Waste Composition (Tons), 2022



GHG Emissions from Water Infrastructure

