

2023 Blaine County Greenhouse Gas Inventory

PRESENTED BY LOTUS ENGINEERING & SUSTAINABILITY

OCTOBER 28TH, 2024

Agenda

Review project scope

Compare emissions from participating communities

Note changes in year over year emissions

Comparison amongst other regional counties

Hailey's emissions

Scope

Calendar year 2023

Communities involved

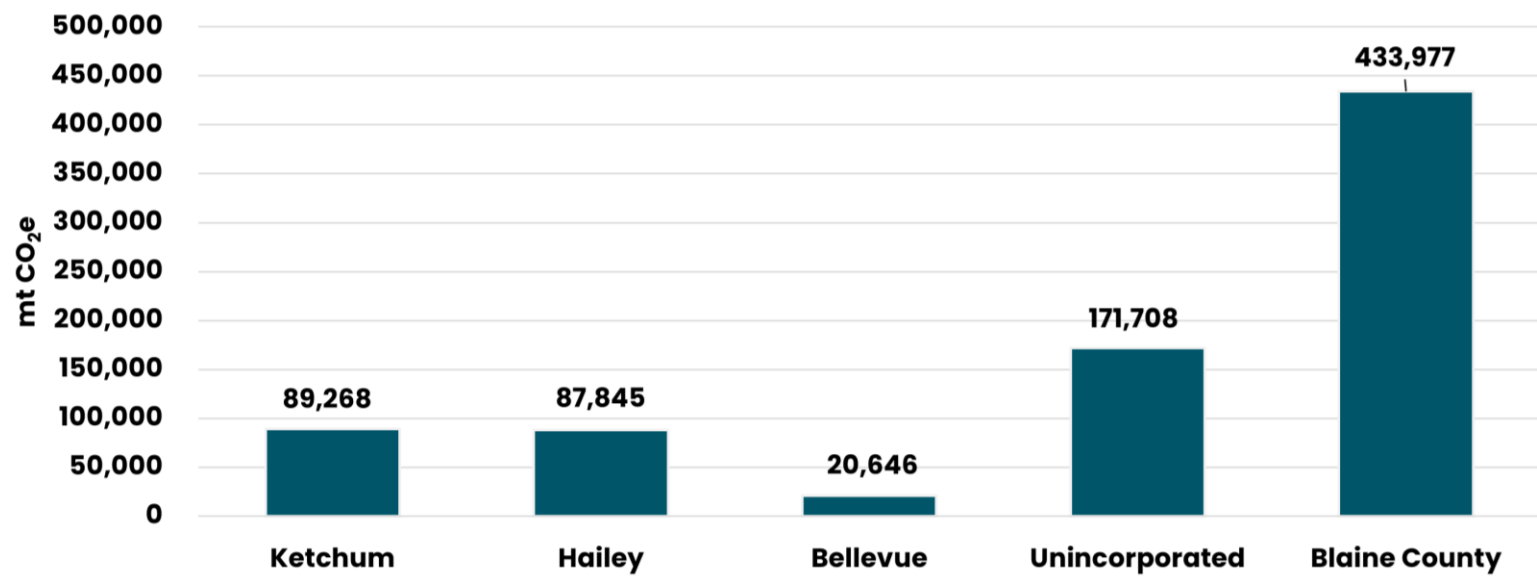
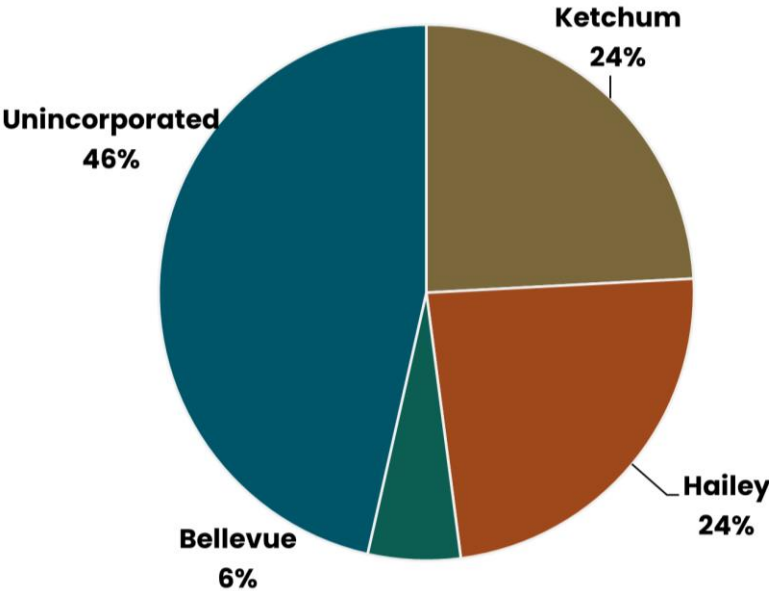
- Municipalities: Hailey, Ketchum, Bellevue
- Unincorporated Blaine County
- Blaine County as a whole*

Changes between 2018 and 2023

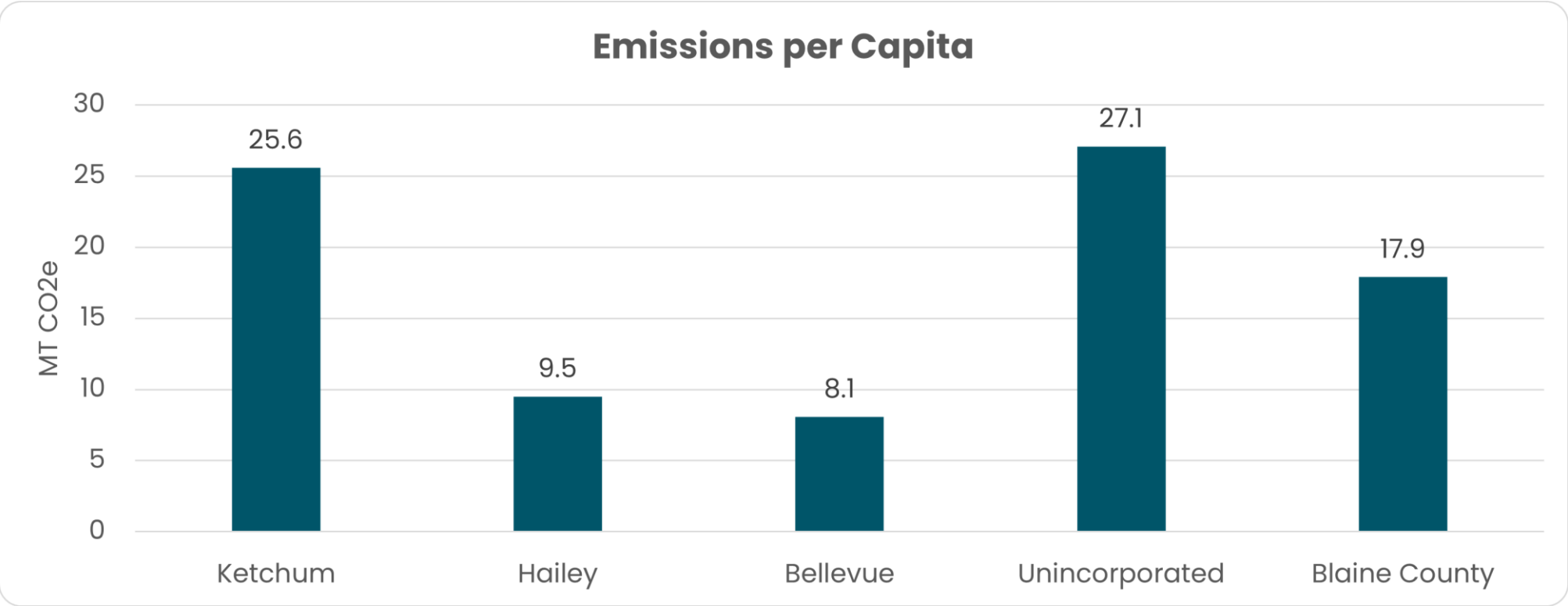
- Note about methodology
- Global Warming Potentials (IPPC 5th vs 6th Assessment)

**Note that since not all communities within the county participated in the GHG inventory, the sum of the municipalities presented here, and unincorporated area will not equal the total emissions for the county.*

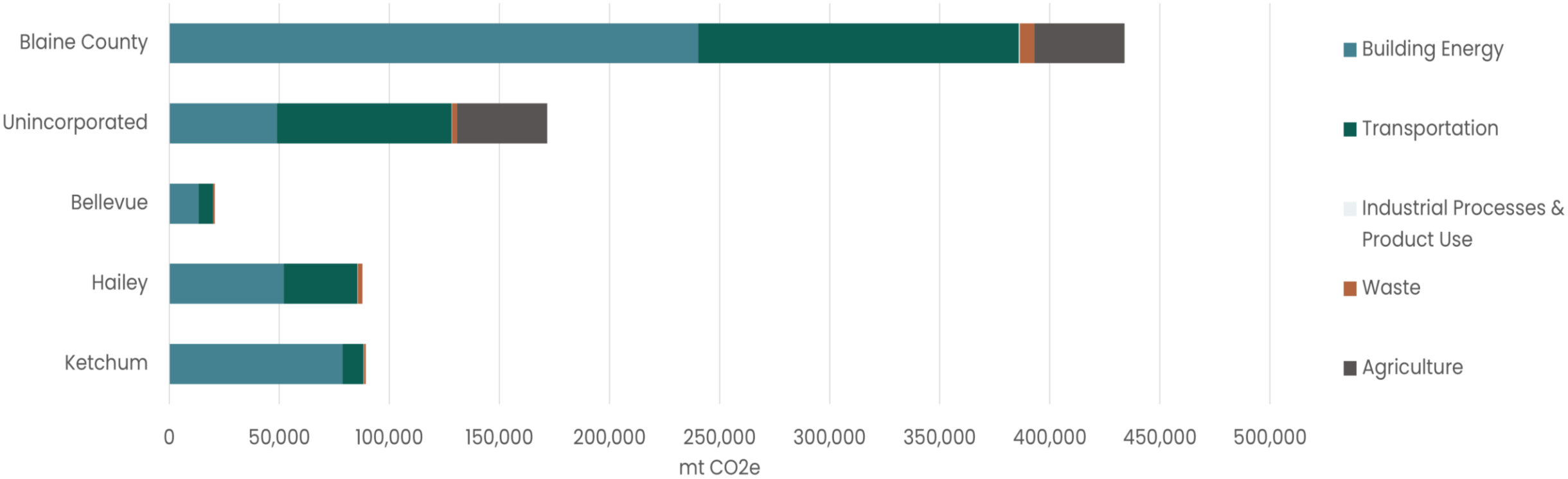
Emissions by Jurisdiction



Emissions per Capita



Emissions by Community & Sector (mt CO2e)



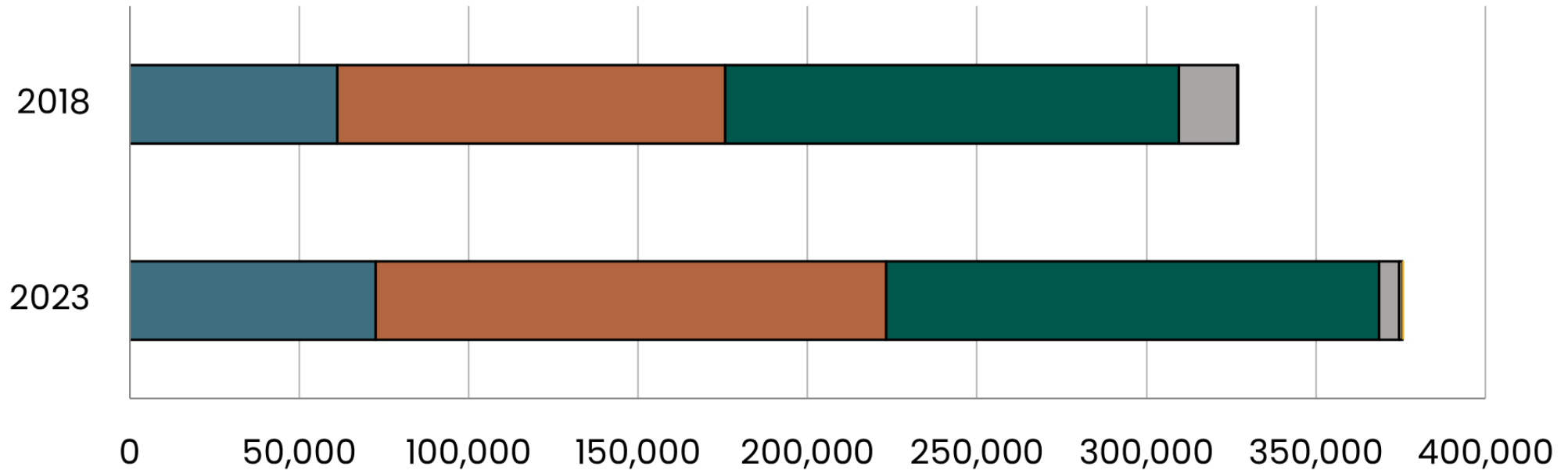
Growth in the Community

	2018	2023	% Change
Population-Blaine	22,373	24,248	8%
Population-Hailey	8,259	9,238	11%
Households-Blaine	15,442	15,562	1%
Households-Hailey	3,198	3,250	2%

All Emissions by Sector

Emission Sector	Blaine County Emissions (mt CO ₂ e)		
	2018	2023	Percent Change
Commercial and Industrial Buildings	61,203	72,586	19%
Residential Buildings	114,402	150,500	32%
Electric Irrigation	6,799	8,528	25%
Outdoor & Street Lighting	N/A	681	N/A
Transmission & Distribution Losses	N/A	5,114	N/A
Transportation	133,981	145,632	9%
Solid Waste	17,292	5,821	-66%
Wastewater Treatment	40	855	2038%
Process & Fugitive	2,390	2,869	20%
Refrigerants	N/A	465	N/A
AFOLA	N/A	40,927	N/A
Total	336,107	433,977	29%

Emissions by Sector Over Time (mt CO2e)



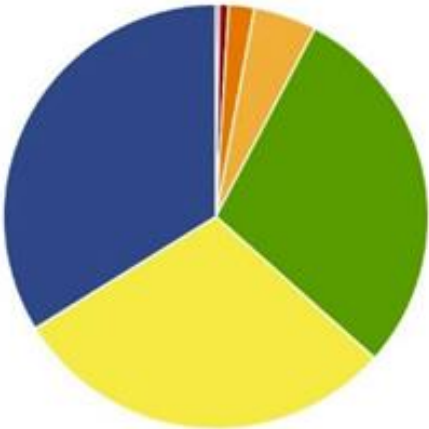
- Commercial and Industrial Buildings
- Residential Buildings
- Transportation
- Solid Waste
- Wastewater Treatment
- Refrigerants

Regional Comparisons

County of Comparison	Year of Inventory	Type of Inventory	BASIC Emissions (mt CO ₂ e)	Total Population	Total Households	Total people employed
Blaine County, ID	2023	BASIC+	433,977	24,248	9,298	13,615
Pitkin County, CO	2020	BASIC+	512,423	17,358	8,114	4,019
Summit County, CO	2020	BASIC+	605,716	31,011	11,750	26,256
Routt County, CO	2018	BASIC+	693,367	25,680	10,279	14,555
Eagle County, CO	2022	Unknown	1,430,670	55,650	20,284	33,682
Teton County, WY	2023	Unknown	524,735	23,346	9,645	15,480

Hailey Community

2018 GHG INVENTORY



- AFOLU
- Process & Fugitive Emissions
- Water & Wastewater
- Solid Waste
- Commercial Energy
- Transportation & Mobile Sources
- Residential Energy

2023 GHG INVENTORY

