

BOZEMAN^{MT}

Bozeman Climate Plan 2025 Impact Report

Through leadership and collaboration, the City of Bozeman will advance innovative solutions to cultivate a more equitable and resilient low-carbon community for current and future generations



IMPACT REPORT

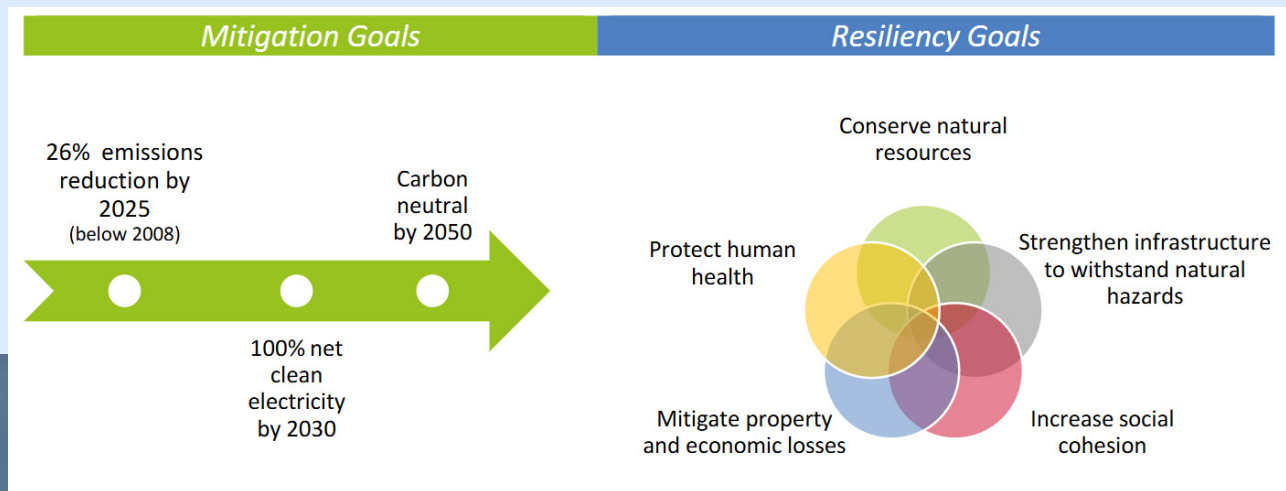
A Spotlight on Climate Work

The 2025 Climate Plan Impact Report highlights the City of Bozeman's progress in advancing its climate goals over the past year. While it focuses on the initiatives of multiple City departments, we acknowledge and deeply appreciate the vital work that is being done by our many partners across the community.



Bozeman
Climate
Plan

Bozeman's Climate Goals



Achieving the goals of the Bozeman Climate Plan requires a community-wide effort that relies on collaboration with businesses, nonprofit organizations, Gallatin County, neighboring municipalities, state-level partners, institutions, the utility, and individual community members. While we've made meaningful progress, there is still much more work to be done.

Together, these collective efforts are driving progress toward a sustainable and resilient future for Bozeman.

SUNRISE ON FIRE STATION 2

Efficient Buildings at Work

In 2024, the new Bozeman Fire Station 2 located on the Montana State University campus, opened to replace the older station on South 19th.

In March of 2025, the 53 kW rooftop PV solar array came online and began offsetting monthly electricity use by an average of 44%. The power production complements other building efficiency measures, such as the SolarWall and heat pump water heaters, and electrification measures.

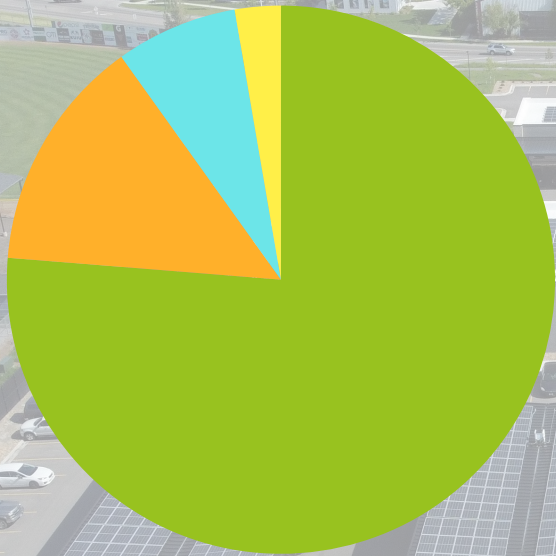
Fire Station 2 is an example of a whole system approach to energy efficiency, integrating a high performance building envelope and other advanced technologies to reduce the power needed to run the facility.

[View the Full Case Study
Fire Station 2: Community Resilience
& Sustainability](#)




SUNLIGHT TO SAVINGS City of Bozeman Solar Production


In 2025, the City-owned PV systems at the Bozeman Public Safety Center, Fires Station 2, City Hall, and the Bozeman Public Library collectively produced 287,457 kilowatt-hours of electricity, saving \$21,853 in utility bills.





132
MT CO₂e GHG
AVOIDED

\$21,853
SAVINGS FROM
SOLAR PRODUCTION

 **BPSC (76%): 219.256 kWh**

 **Library (7%): 20,650 kWh**

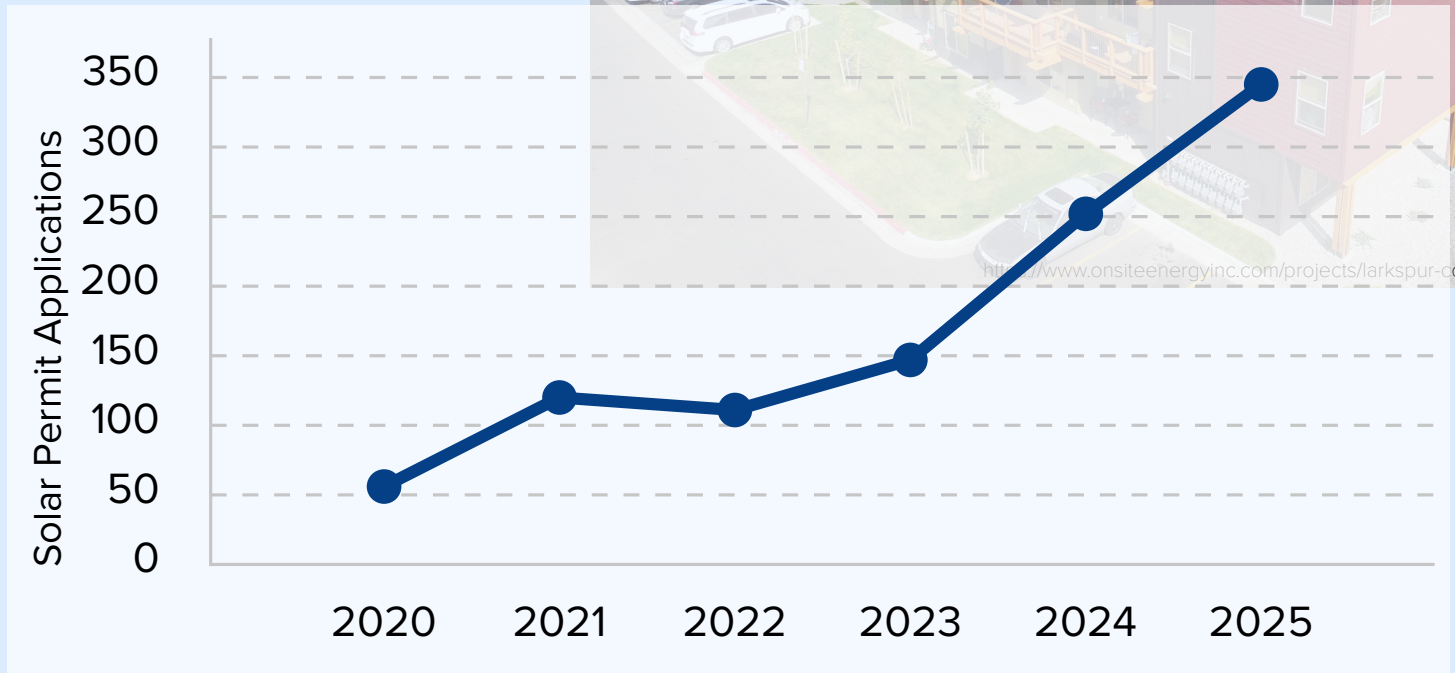
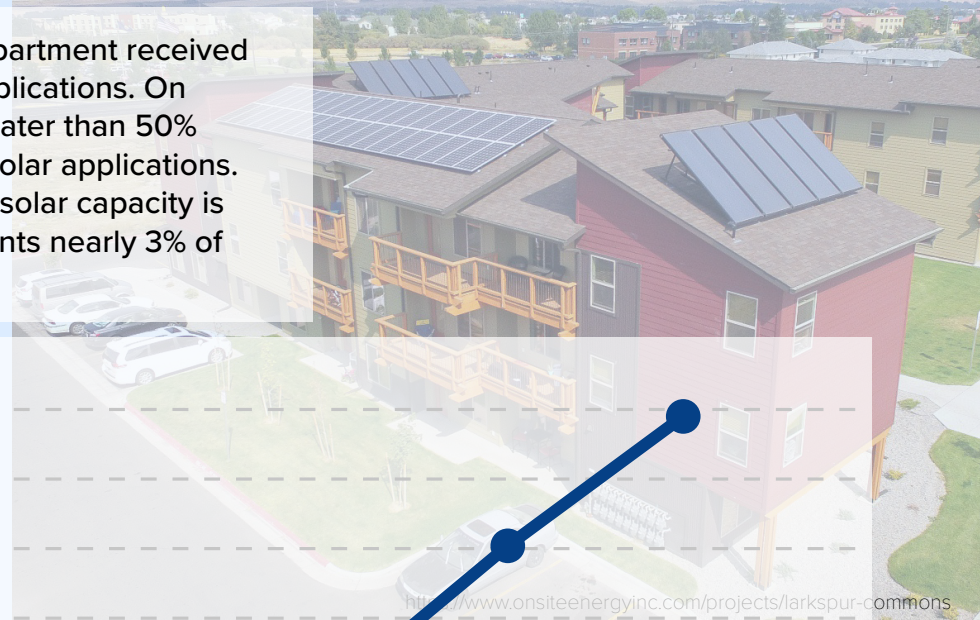
 **Fire Station 2 (14%): 39,771 kWh**

 **City Hall (3%): 7,780 kWh**

EFFICIENT HOME ENERGY

Solar Power Generation from the Rooftops

In 2025, the Community Development Department received 345 solar PV system installation permit applications. On average, since 2022, there has been a greater than 50% year-over-year increase in the number of solar applications. The City of Bozeman's estimated installed solar capacity is now close to 10 megawatts, which represents nearly 3% of Bozeman's total electricity use!



CHARGING FORWARD

Plugging in the City Fleet

The City added seven Level 2 charging stations at the Bozeman Public Safety Center to serve the City fleet. A DC fast-charger will soon be installed at the City Shops Complex, which will be capable of fully charging the City's Ford Lightnings in as few as 30 minutes! In total, the City will have ten charging stations to efficiently charge the growing electric vehicle fleet.



32 HYBRID & PLUG-IN VEHICLES

6 ELECTRIC VEHICLES
In the City's Fleet

LEDS AT THE LIBRARY

Building Energy Efficiency

In September of 2024 the Bozeman Public Library completed a multi-phase LED lighting upgrade as well as mechanical system commissioning to optimize the heating, cooling, and lighting systems in the building.

Following these upgrades, the Library now uses 36% less electricity and 18% less natural gas. As a result, the building's overall Energy Use Intensity (EUI) is at a six year low, 28% below the ENERGY STAR building benchmark for public libraries.

WATER RECLAMATION FACILITY

More Efficiency at the City's Largest Energy User

Water and wastewater processes are often among the highest energy consumers for municipalities. The Water Reclamation Facility (WRF) is the City of Bozeman's largest energy user, accounting for 40% of total electricity consumption across all City facilities.

In 2024, the WRF staff were able to reduce electricity usage by 5% by enhancing operational efficiency and performing preventative maintenance. In 2025, the WRF continues to decrease overall energy usage by further optimizing systems, reducing electricity consumption by another 4%, saving over \$47k in electricity bills compared to the previous year. Over the last two years, there's been a near 10% total reduction in electricity usage and almost \$80k in savings from the hard work and dedication of our WRF staff!

Even more utility savings are expected at the WRF with a 544kW behind-the-meter solar PV array scheduled for completion in 2026.



POWERING CHANGE

Building Energy Efficiency & Electrification

By collaborating with key partners the City is striving to help advance energy efficiency and building electrification throughout the community. The Sustainability Division has partnered with the Montana Department of Environmental Quality (DEQ) to launch a pilot rebate program that offers residents a \$500 rebate for qualifying heat pump water heaters (HPWH).

The City co-hosted education and contractor engagement events related to building energy efficiency, electrification strategies, technology adoption, upcoming financial incentives, and more.

42

HEAT PUMP WATER HEATERS INSTALLED

through the rebate program

918

LIFETIME MT CO₂e EMISSIONS AVOIDED

based on 15-year lifespan per unit

\$500

HEAT PUMP WATER HEATER REBATE

The City of Bozeman offers customers a \$500 rebate for qualified heat pump water heaters.*

PLUS an additional \$75 for participating in a satisfaction survey.



BOZEMAN^{MT}
WWW.BOZEMAN.NET/SUSTAINABILITY

MOVING TOGETHER

Progress Towards Multimodal Solutions

With the 2020 Census, Bozeman surpassed a population threshold that changed the way our public transit is funded by the federal government. As a result, a regional Urban Transportation District (UTD) was formed to work alongside the new Metropolitan Planning Organization (MPO) to create a Long-range Transportation Development Plan to ensure transit safety, availability, and service.



The City's Transportation and Engineering Department is working with Streamline Transit Services and other municipal partners to participate in the regional planning efforts to expand transit frequency, optimize route services, and connect the Gallatin Valley through multimodal transportation solutions.

CURBSIDE ORGANICS COLLECTION

Composting Community-Wide

After the Solid Waste Division secured a \$1.6 million grant from the Environmental Protection Agency (EPA) to purchase organics collection trucks, 8,000 new carts, 100 bear-resistant carts, and to launch the Bozeman Sustainable Organics Management Program, the City of Bozeman partnered with local compost company, Happy Trashcan, to roll out the curbside Organics Collection program in the Spring of 2025. So far, the Organics Collection program has enrolled over 1,700 composting customers, diverted an estimated 470 tons of organic waste from the landfill, and has avoided an estimated 433 metric tons of CO₂ equivalent emissions.



433

MT CO₂e AVOIDED

470

**TONS OF WASTE
DIVERTED FROM THE LANDFILL**

ELECTRIFYING FORESTRY

Making the Change to Electric Equipment

The Forestry Division has started transitioning from traditional gas-powered small engine equipment to electric-powered equipment. In 2025, the Forestry Division acquired three small chainsaws, two leaf blowers, and one powered pole-saw, all battery-powered. By phasing out the two-stroke gas-powered equipment for electric equipment, the Forestry Division has reduced their operational emissions, and lowered the decibels of their work! Small engine equipment can often have greater emissions than the average vehicle due to the lack of pollutant emission controls. The electric equipment is also lighter, quieter, and easier to use for our crews!

7

**GAS POWERED
TOOLS REPLACED**

~87%

**CO₂e EMISSION
REDUCTION**

over ten years



<https://www.gardenmachinerydirect.co.uk/>

WATER SMART BOZEMAN

Efficient Indoor Water Use

In 2025, the Water Conservation Division performed water use assessments for select Commercial, Industrial, and Institutional (CII) properties in Bozeman. By combining data analysis, submeter technology, and collaborating with CII property staff to review and revise standard operating procedures, City staff increased the efficiency of water using-systems and processes, successfully optimizing for water efficiency. Through these assessments, the City has realized a water savings of 7.5 million gallons.

To further support efficient indoor water use, the Water Conservation Division published an updated Water Smart Indoor Guide to educate community members on how to read their water meter and understand their usage, how to identify and repair indoor leaks, and repair or replace fixtures and appliances to maximize efficiency. The guide offers numerous tips and tricks for reducing water and energy use, especially during the cold winter months.

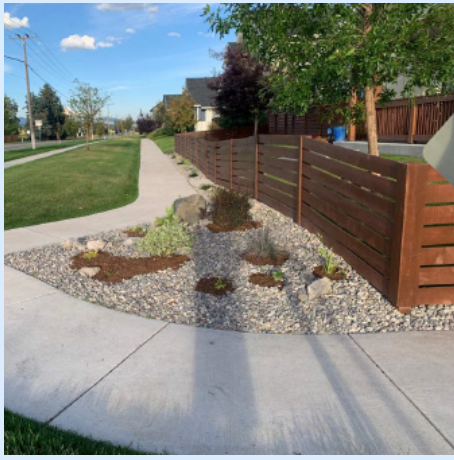
Opportunities for water efficiency extend beyond our homes and businesses. The City’s outdoor water rebate program reduces water used on lawns and landscapes by offering residents incentives to increase the efficiency of their irrigation system, install drought tolerant plants, and remove high water use turfgrass.

7.5 MILLION
GALLONS OF WATER SAVED
THROUGH ASSESSMENTS

24,000
SQFT OF TURFGRASS
REMOVED IN 2025

Water Smart Indoor Guide
for the Bozeman Area
with Water and Energy Saving Tips

www.bozemanwater.com **BOZEMAN**
WATER CONSERVATION



WHEN IT RAINS, THERE'S STORMWATER

Improving Water Quality and Resiliency

Stormwater infrastructure plays a vital role in improving water quality by allowing the water that falls on City streets, capturing pollutants and debris, to go through a filtration process before entering our waterways. Stormwater facilities, like detention ponds and infiltration chambers, help manage stormwater on-site, allowing filtration through settling and soil contact, removing pollutants, and reducing impacts to physical infrastructure.



In 2025, the Stormwater Division adopted the Stormwater Facilities Plan that establishes post-construction policies for both City-owned and privately owned stormwater pond and facility inspection and maintenance programs, helping to ensure all new construction stormwater facilities are functioning at their best, and that existing stormwater facilities are properly maintained.

The Facilities Plan will also address future stormwater infrastructure needs, increasing resiliency against potential flooding as we see more frequent storm events and an increase in growth throughout the community.

UNIFIED DEVELOPMENT CODE

Shaping How We Grow

In the Summer of 2022, the City of Bozeman began updating the Unified Development Code (UDC), a document that sets forth regulations around what kinds of development can occur in which areas through development standards and zoning districts. After significant community engagement, the City Commission provisionally adopted the UDC on December 2, 2025.



The update helps advance sustainability and the Bozeman Climate Plan by encouraging efficient land use by removing minimum lot size requirements and moderately increasing residential density, encouraging mixed commercial, reducing non-residential parking requirements, and improving the standards for bike parking infrastructure. In addition, the updates will encourage site planning for electric vehicle charging stations and composting and recycling refuse containers.

To further support innovation, the UDC includes definitions for both district energy and community solar, further enhancing long-standing allowances for solar energy installations.

The updated UDC also identifies urban farms, community gardens, farm stands, greenhouses, and home-based businesses as allowable uses in designated zoning districts to support diverse forms of local agriculture throughout Bozeman.

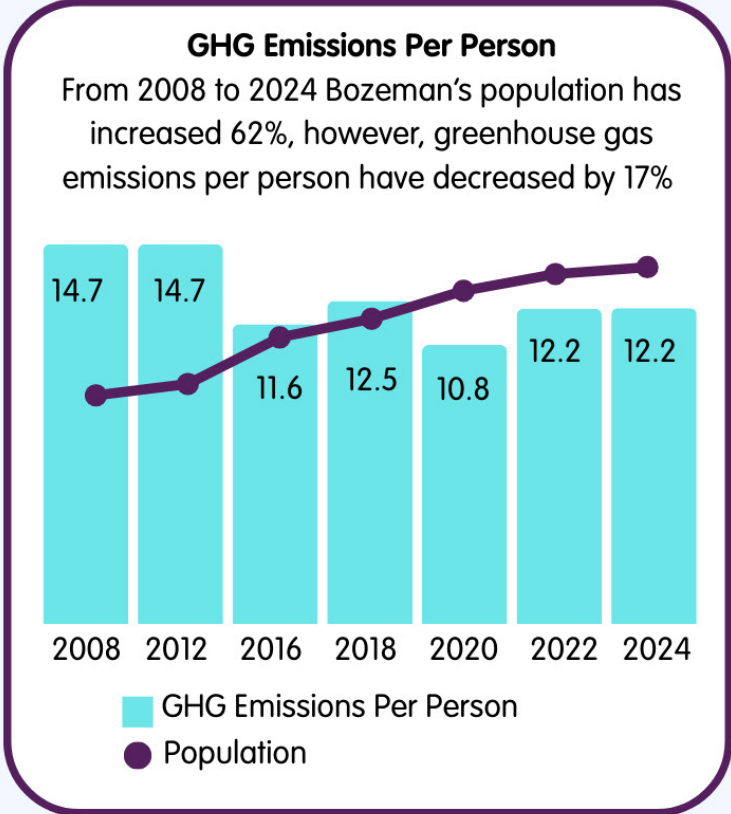
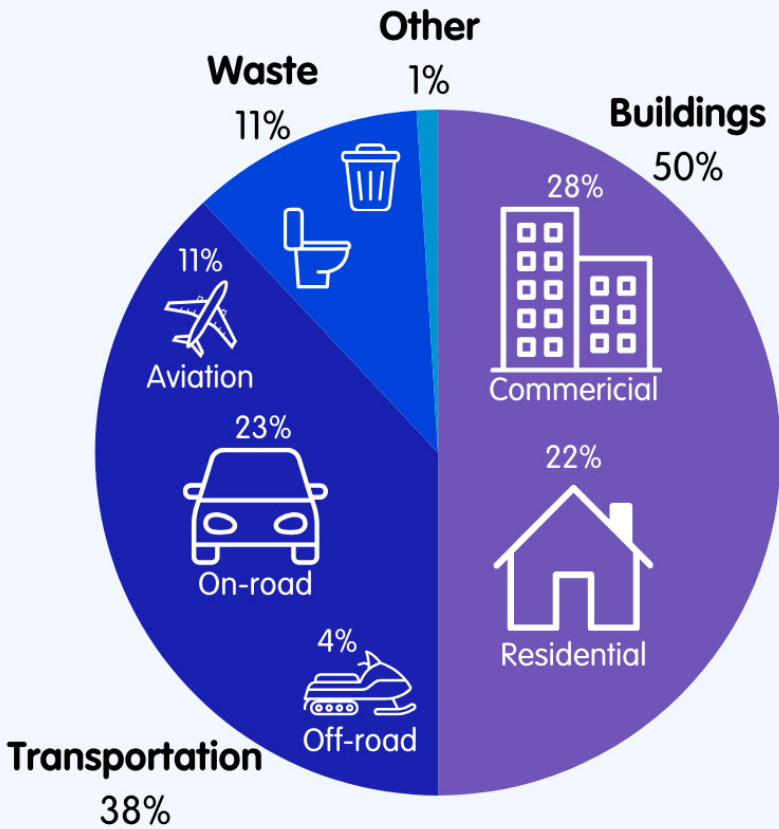


Total 2024 Emissions

705,542 mt CO₂e

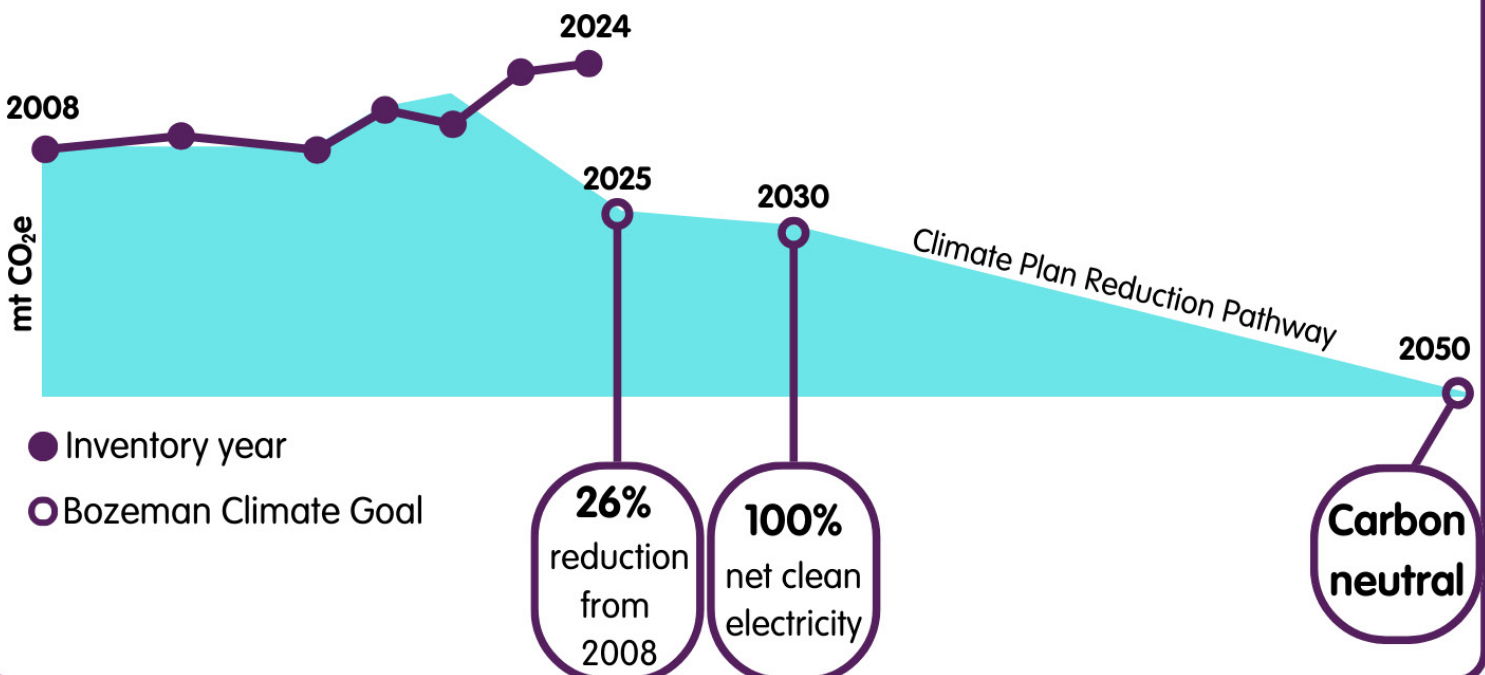
2024 Community Greenhouse

Gas Emissions Inventory



Bozeman's Climate Goals

Bozeman has ambitious climate goals to protect our community from climate change. The Bozeman Climate Plan outlines a pathway to reaching those goals.



We need YOU to help reach our goals

Learn more about how you can take action at www.bozeman.net/sustainability