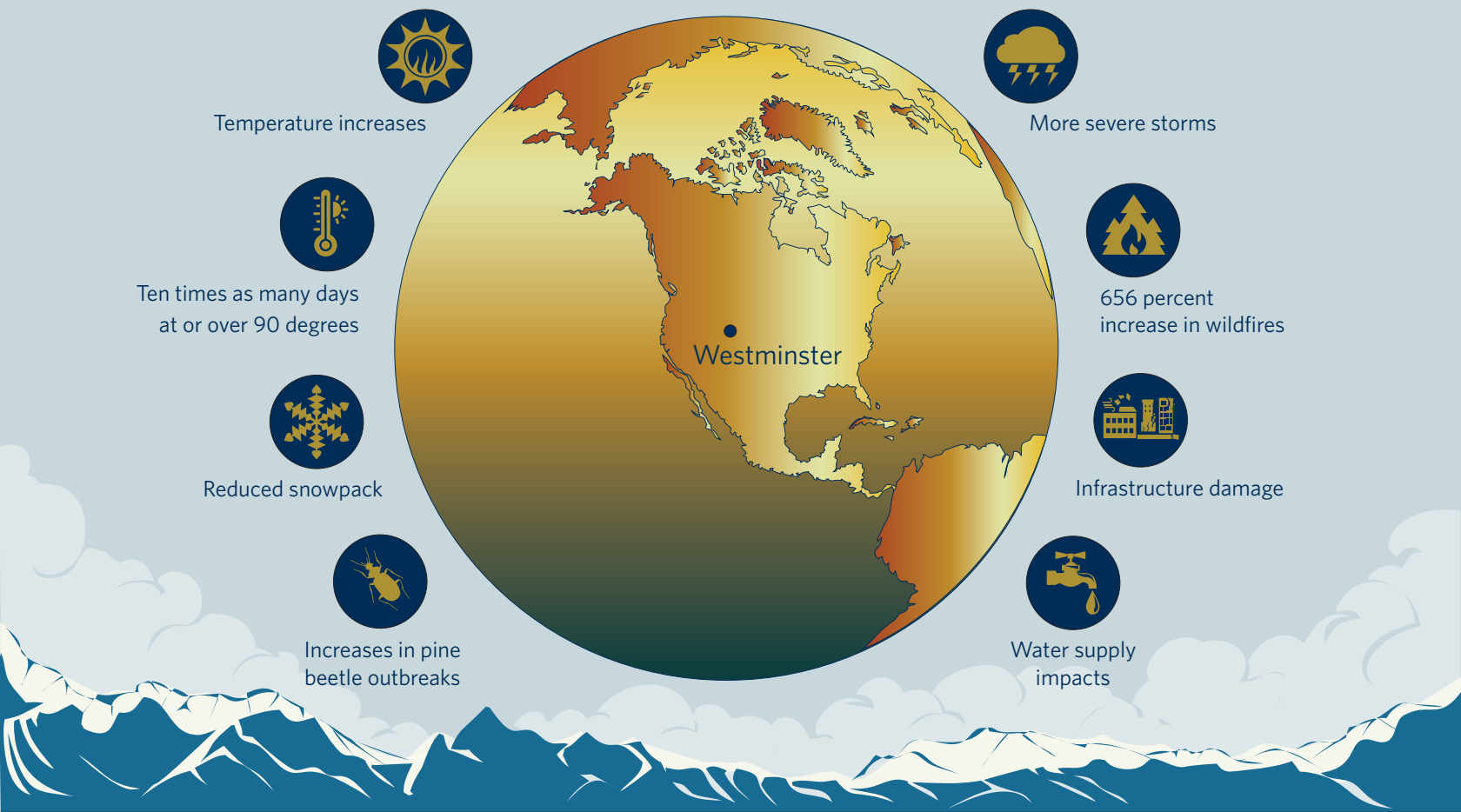


2017 MUNICIPAL GREENHOUSE GAS INVENTORY

REGIONAL IMPACTS OF CLIMATE CHANGE



How Westminster is leading the community



The City of Westminster is committed to creating a sustainable community to enhance quality of life and community resilience, generate economic growth and create equitable access to services for the entire community. As part of this effort, the city is committed to walking the talk by reducing its own greenhouse gas (GHG) emissions from municipal operations, mainly from transportation and buildings. This summary showcases the results of Westminster’s 2017 municipal operations GHG emissions inventory, a critical step in assessing the city’s operational carbon footprint.

The city’s participation in regional and national climate initiatives (i.e., Climate Mayors and Colorado Communities for Climate Action) illustrate a commitment to participate in efforts to understand the city’s role in issues that extend beyond its boundaries. This emissions inventory sets the stage for the city to understand, identify and implement strategies for reducing municipal operations emissions.

WESTMINSTER 2017 MUNICIPAL GREENHOUSE GAS EMISSIONS

A Summary of the Most Meaningful Findings

KEY FINDINGS

Westminster's 2017 municipal inventory was conducted using guidance from ICLEI-Local Governments for Sustainability's (ICLEI) Local Government Operations Protocol (LGOP). The 2017 inventory captures all emissions occurring within the city's operational boundary, showing a total emission value of 30,978 metric tons of CO₂ equivalent (mtCO₂e). Subsequent GHG emission inventories may provide new emission data that can be compared against 2017 totals, which will provide information on annual trends and changes to annual totals.

Emissions by Source

Key findings from Westminster's 2017 GHG municipal inventory show that emissions from building electricity (burning fossil fuels produces electricity), vehicle fleet and natural gas consumption are the three largest sources of emissions. Together these sources comprise 96 percent of total emissions.

Emissions by Sector

The largest share of emissions was from facilities, which comprised 36 percent of the municipality's overall emissions. Emissions from water transport and wastewater treatment energy-use make up the second and third largest portions at 18 percent and 16 percent of the total, respectively. Emissions from streetlighting, traffic signals and parks lighting make up the fourth largest portion at 13 percent of the total.



WHAT CITY STAFF CAN DO

Inspire the community to reduce its carbon footprint

Considering the scope of a city's influence and its contribution to GHG emissions, Westminster has a clear role in leading the community. Cities can motivate, inspire and guide significant reductions in a community's carbon footprint. The most significant contributor to GHG emissions is the burning of fossil fuels for buildings and transportation. Therefore, the most significant actions that can be taken are to make buildings more energy efficient, use renewable energy where feasible and use fuel efficient vehicles.

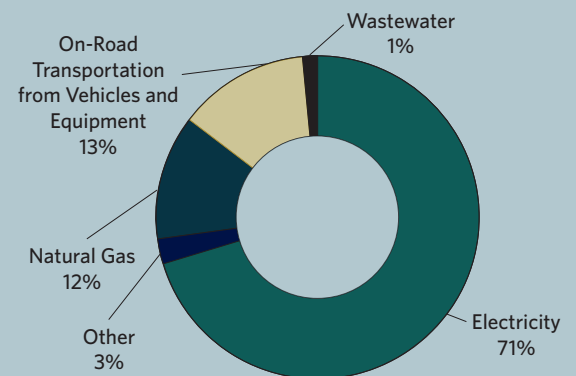
Westminster can lead this charge by developing, facilitating and implementing GHG reduction strategies for its operations. This GHG inventory is the first step of that process: by identifying a baseline of GHG emissions, Westminster can effectively target the best places to reduce GHG emissions.

MUNICIPAL INVENTORY

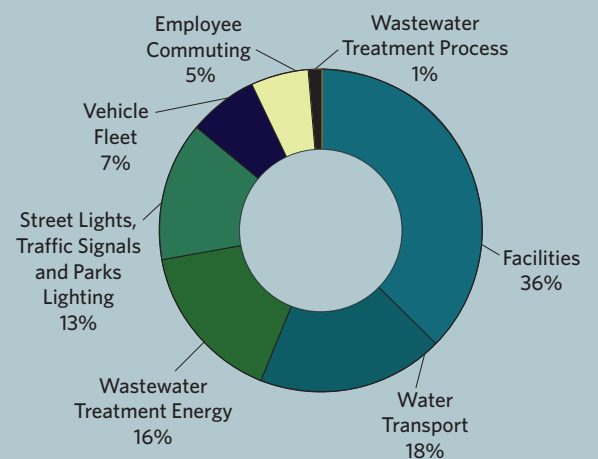


30,978 mtCO₂e Total Emissions

EMISSIONS BY SOURCE



EMISSIONS BY SECTOR



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