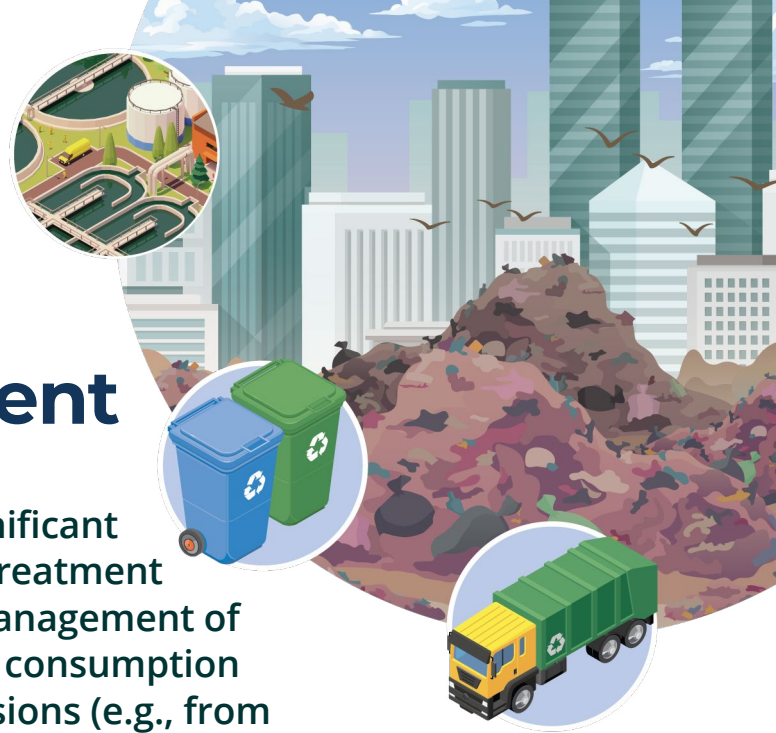




# Greenhouse Gases from Waste and Materials Management

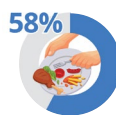
The waste management sectors include greenhouse gas (GHG) emissions from significant sources such as landfills and wastewater treatment facilities.<sup>1</sup> In addition to emissions from management of waste, the production, transportation and consumption of consumer products also results in emissions (e.g., from fuel use for transport, electricity, etc.).<sup>2</sup>



In 2022, the waste sector contributed 2.6% of total U.S. GHG emissions.<sup>3</sup>



Landfills are the third largest contributor (17%) of methane emissions.



58% of the methane emissions released from municipal solid waste landfills are from food waste.<sup>4</sup>

## Ways to reduce GHGs from waste

**Develop and expand programs** to minimize food waste going to landfills.



**Capture methane gas** at landfills and wastewater treatment facilities and **use it to replace fossil fuels.**



**Develop and implement programs** to prevent waste and reuse products and materials.



## BENEFITS TO THE PUBLIC



New green jobs



Improved waste management



Increased use of renewable energy by public utilities

<sup>1</sup> Other sources include commercial composting and standalone anaerobic digestion (EPA 2024, Inventory of U.S. Greenhouse Gas Emissions and Sinks)

<sup>2-3</sup> [https://www.epa.gov/system/files/documents/2024-04/us-ghg-inventory-2024-main-text\\_04-18-2024.pdf](https://www.epa.gov/system/files/documents/2024-04/us-ghg-inventory-2024-main-text_04-18-2024.pdf)

<sup>4</sup> <https://www.epa.gov/land-research/quantifying-methane-emissions-landfilled-food-waste>

Authorized under the Inflation Reduction Act, EPA's Climate Pollution Reduction Grants program provides nearly \$5 billion in grants for states, local governments, Tribes, and territories to develop and implement ambitious plans to reduce greenhouse gas emissions and other harmful air pollution and benefit low-income and disadvantaged communities.



For more information, please visit  
**Climate Pollution Reduction Grants | U.S. EPA**

