



2021 Greenhouse Gas Emissions

Town of Erie, Colorado

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Gas Accounting, Modeling, and Visualization

Presentation Overview

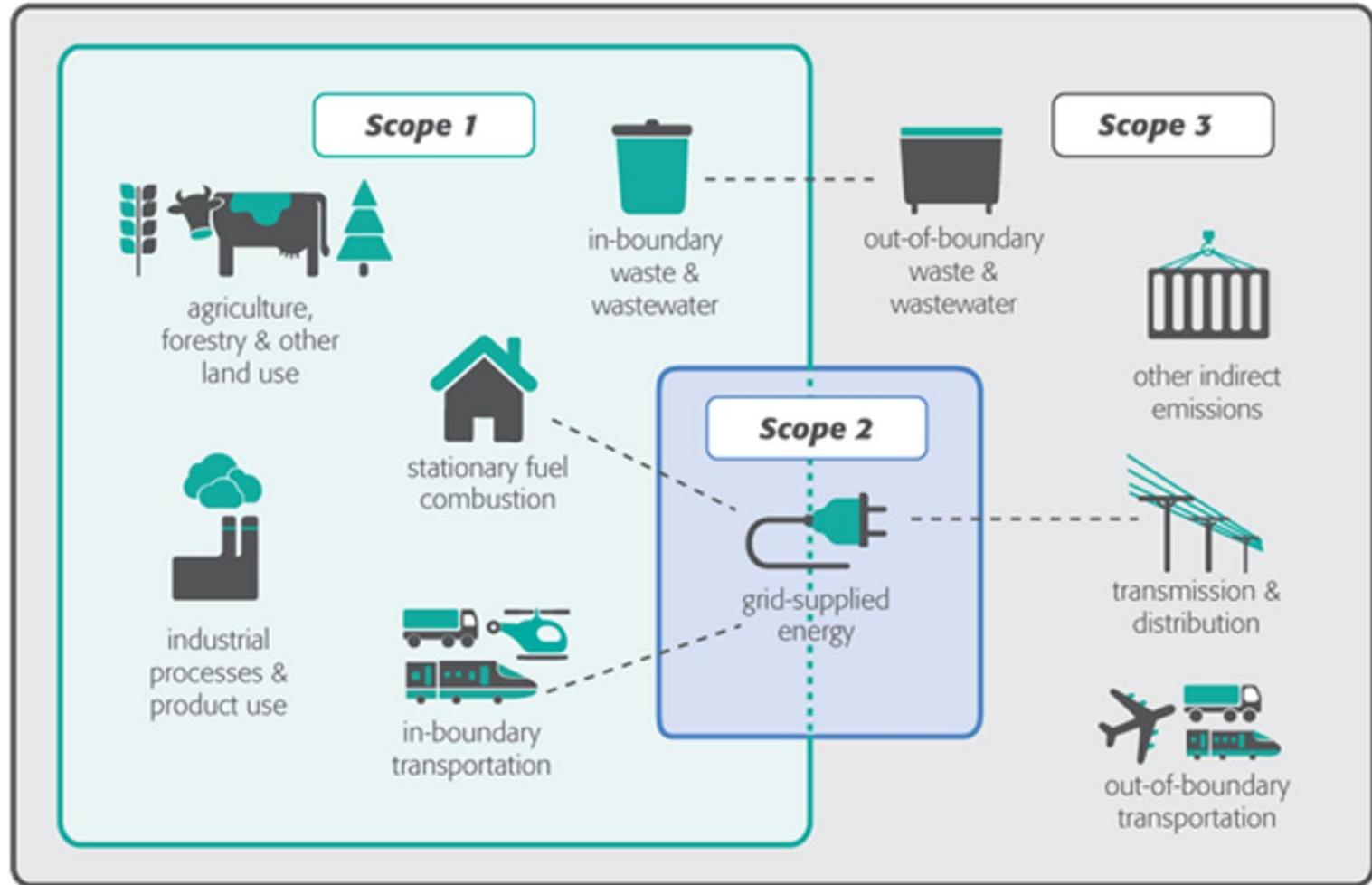
- **2021 Community GHG Emissions Overview**
 - Total 2021 emissions
 - Sector breakdowns
- **Sources of Community GHG Emissions in 2021**
 - Stationary Energy sources
 - Transportation sources
 - Waste and Wastewater sources
- **2021 Municipal GHG Emissions Overview**
 - Total 2021 emissions
 - Sector/Source breakdowns
- **Additional Analysis**
 - Carbon Sequestration Analysis





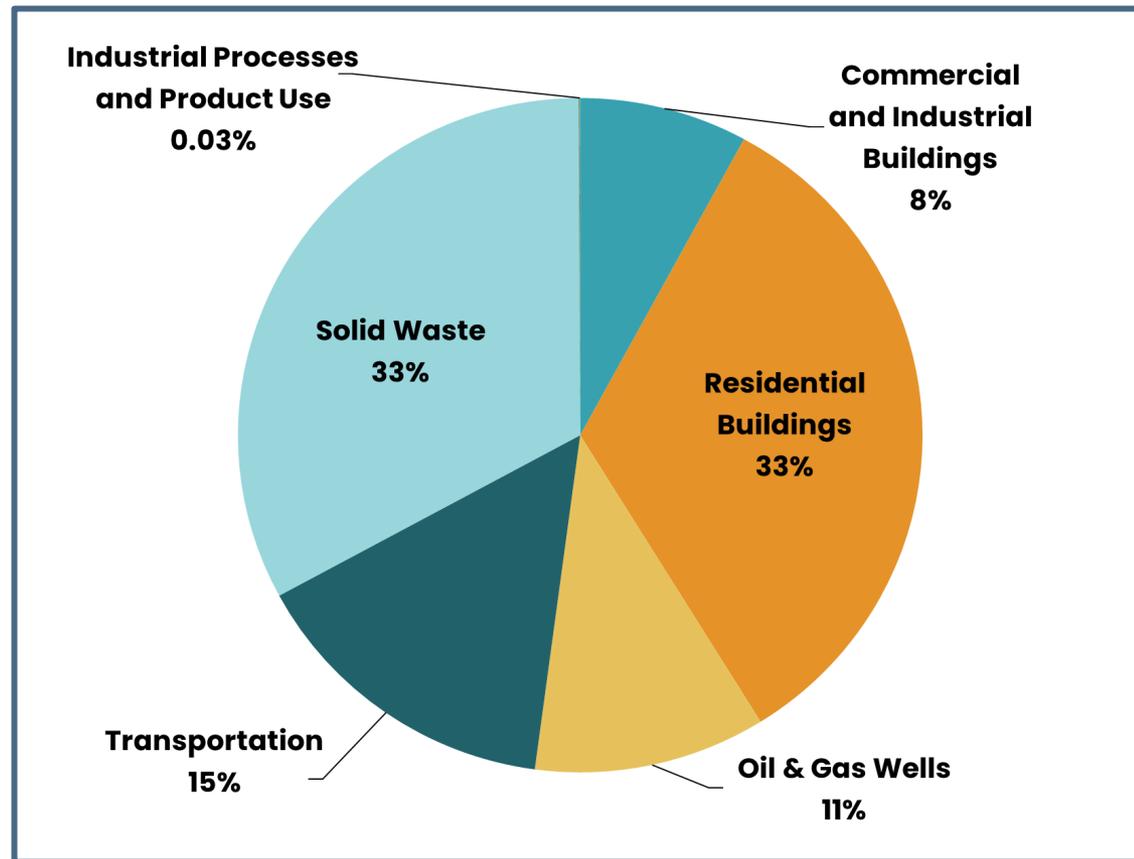
2021 Community GHG Emissions Overview

Emissions Sources

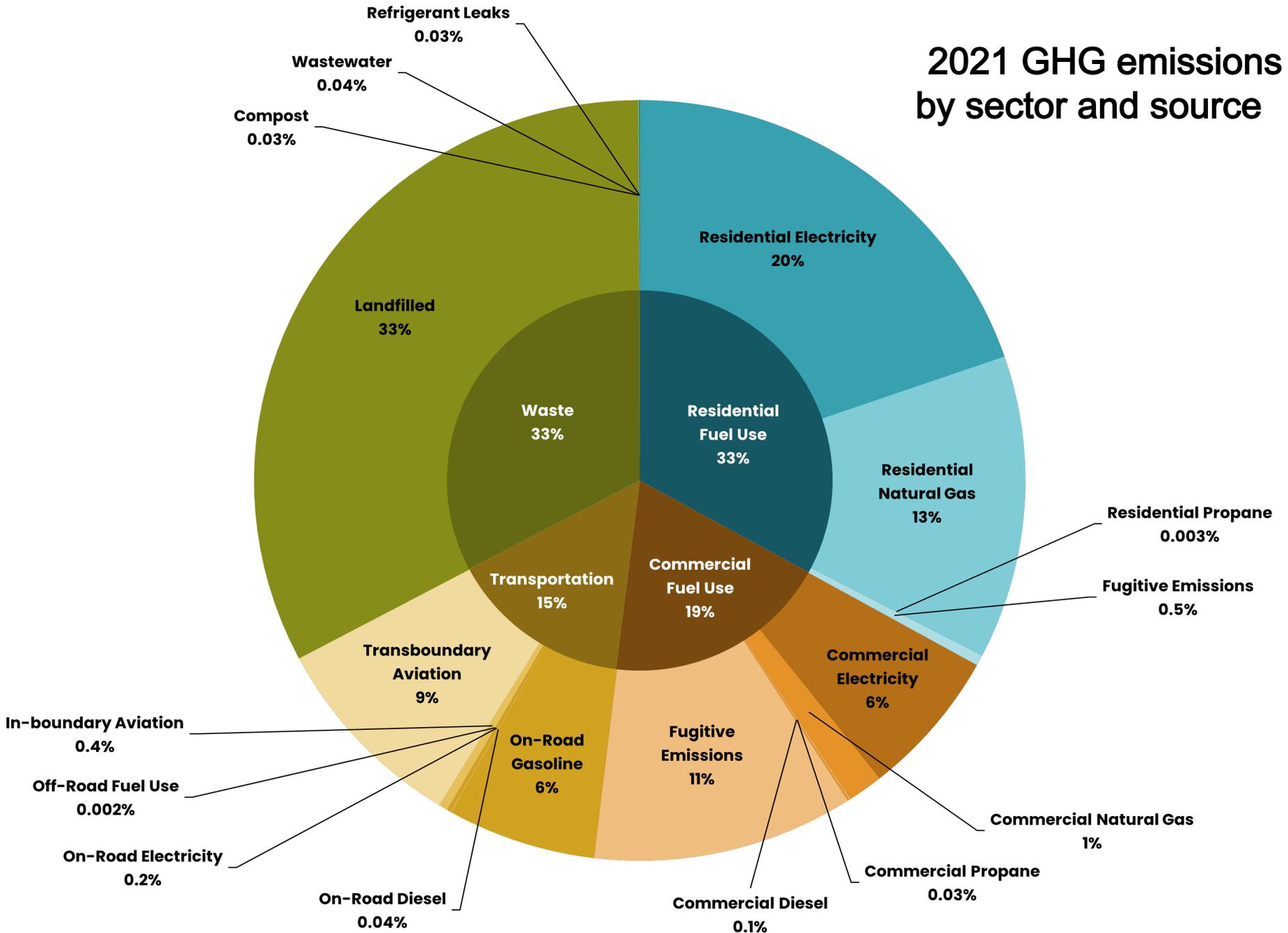


Total 2021 GHG Emissions

353,418
mt CO₂e



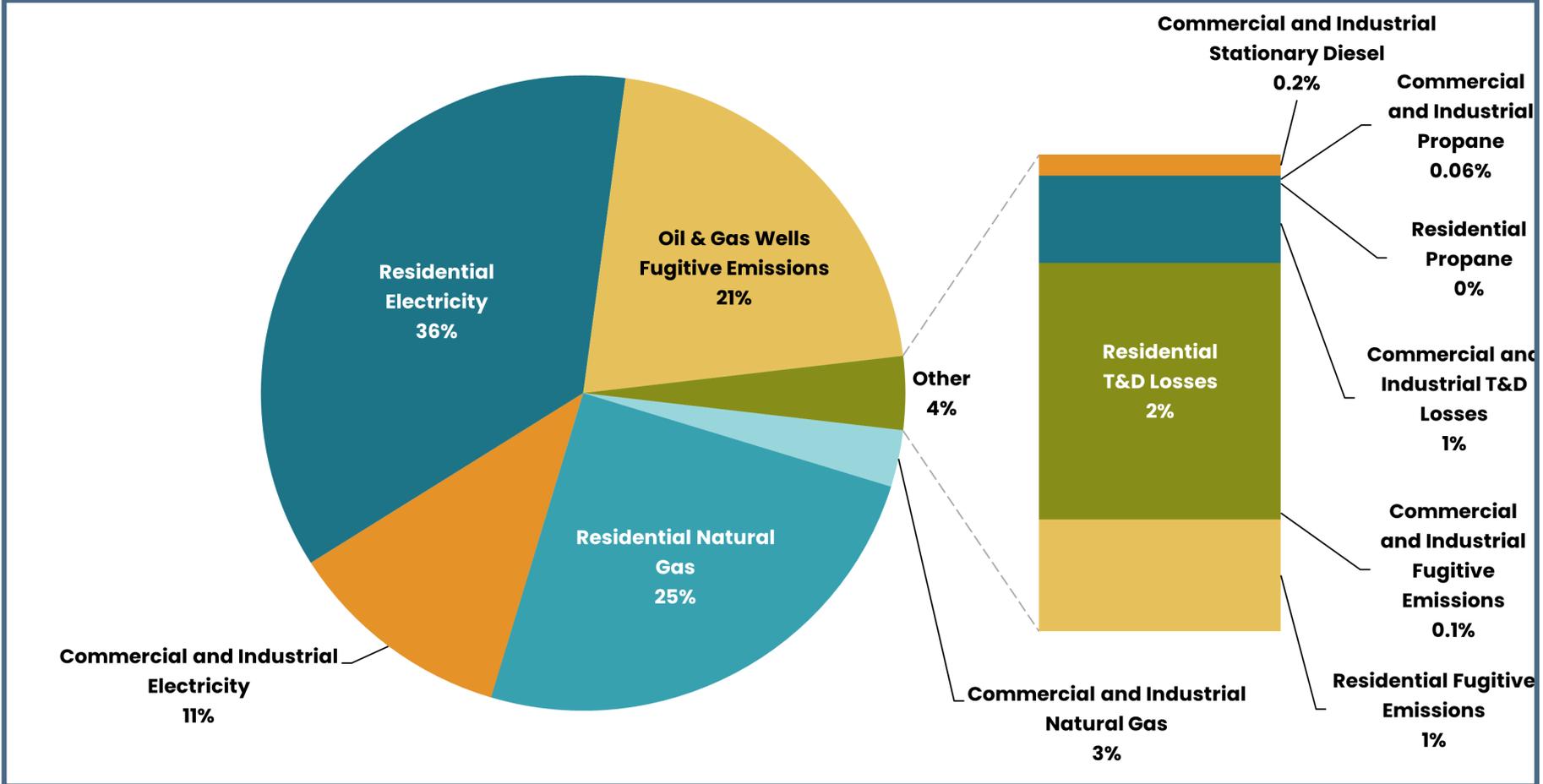
2021 GHG emissions by sector and source



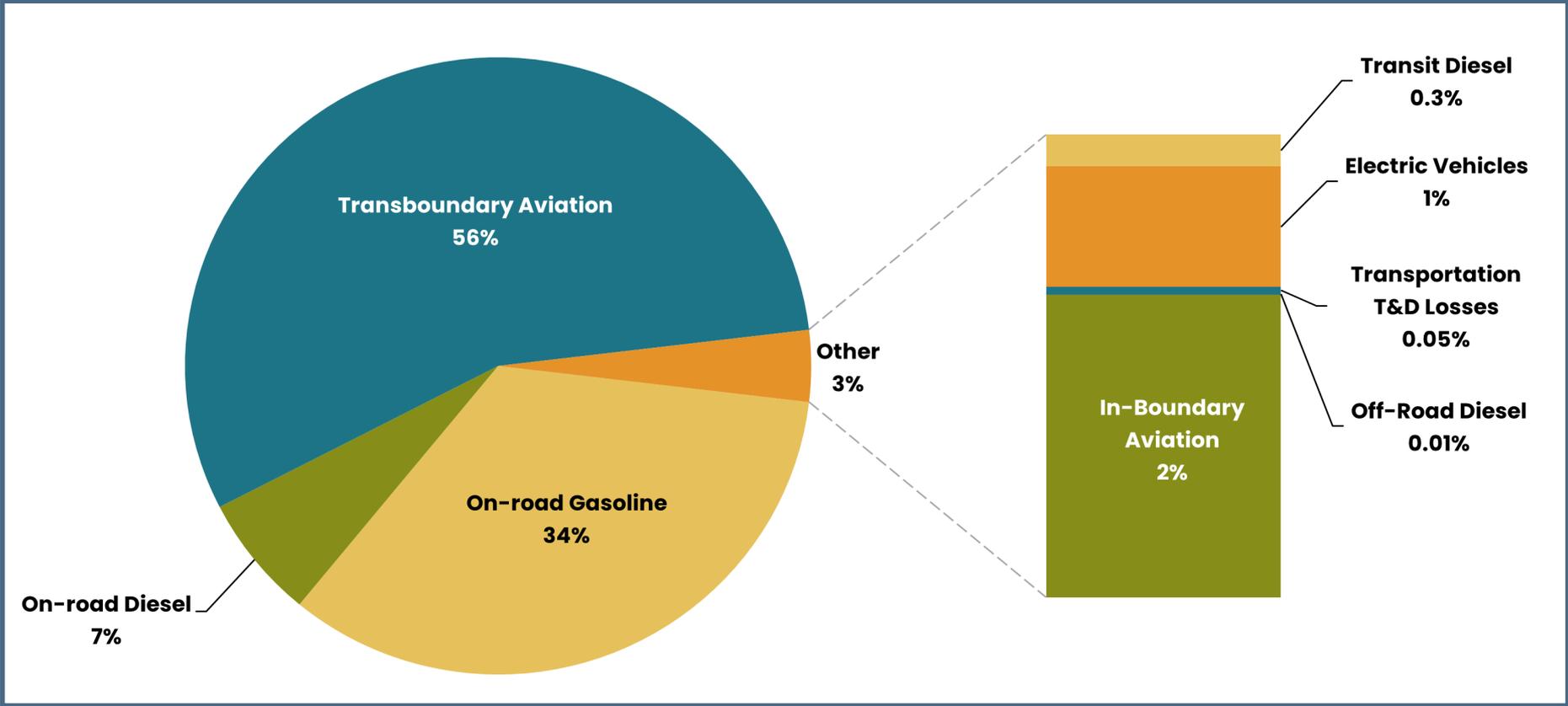


2021 GHG Emissions Sources

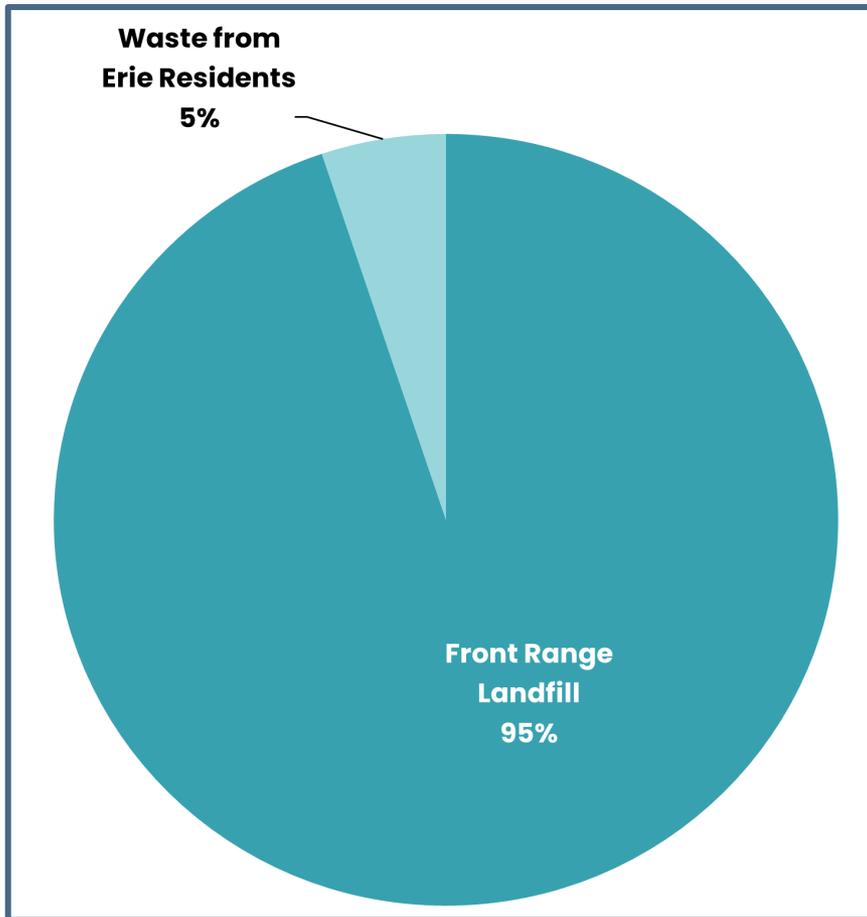
Stationary Energy Sources



Transportation Sources



Waste & Wastewater Sources



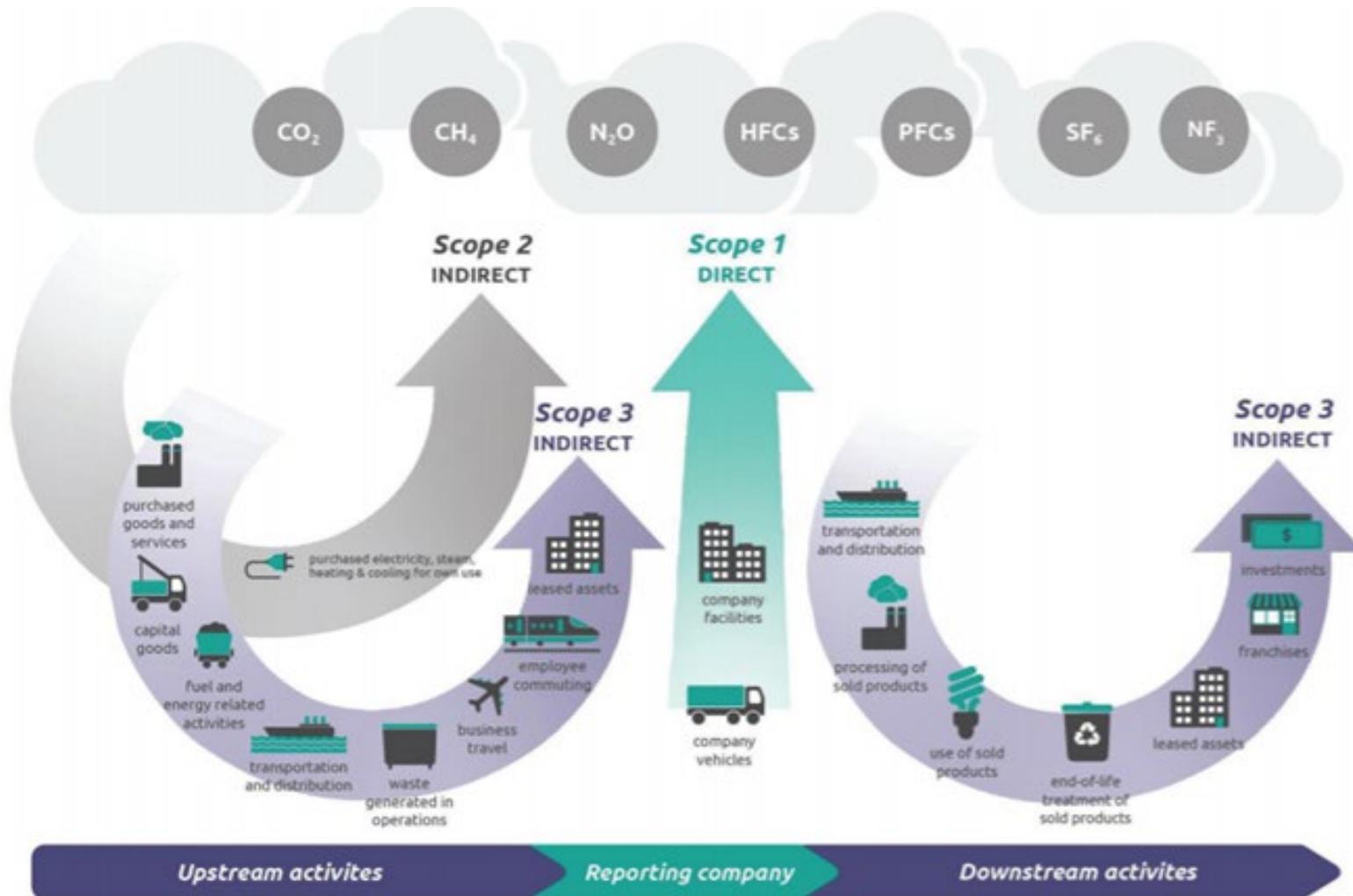
Emissions Sources (mt CO ₂ e)	
Front Range Landfill Waste	109,280
Erie Resident Landfill Waste	5,907
Compost	105
Wastewater	130





2021 Municipal GHG Emissions Overview

Emissions Sources

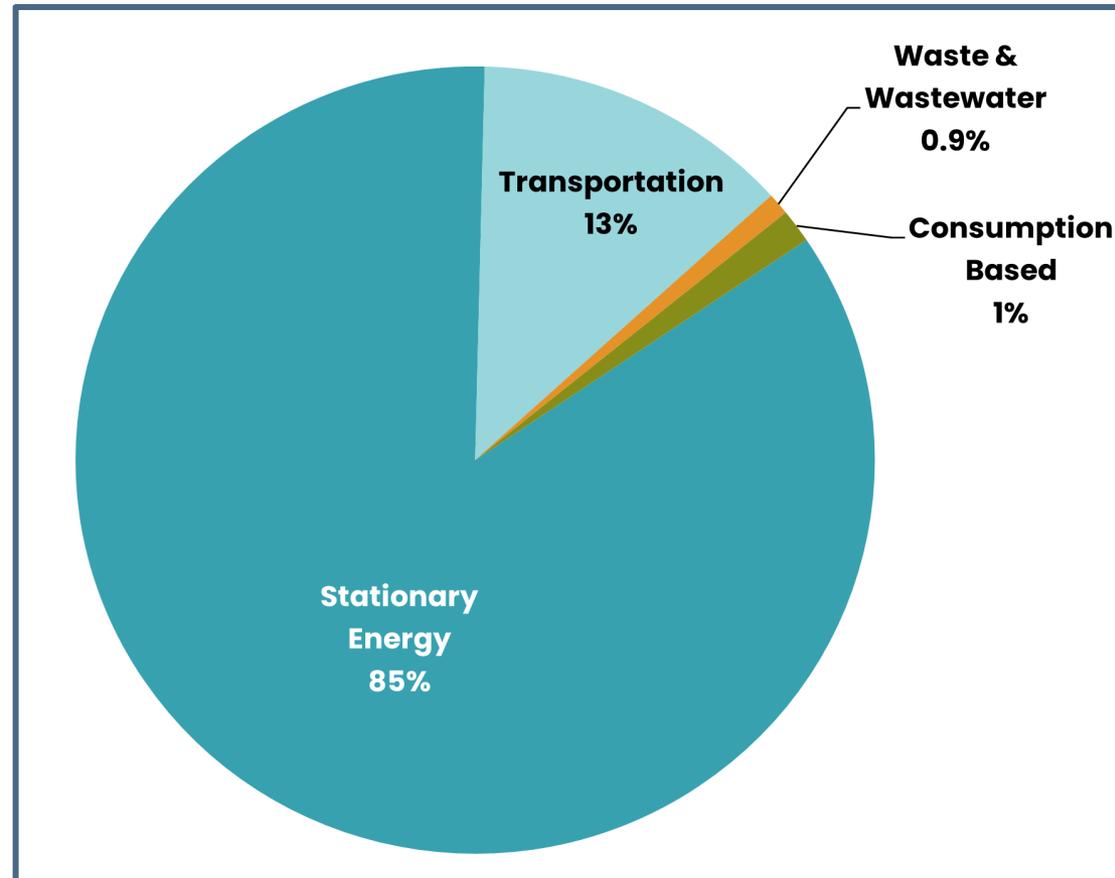


Source: Adapted from WRI/WBCSD GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard.

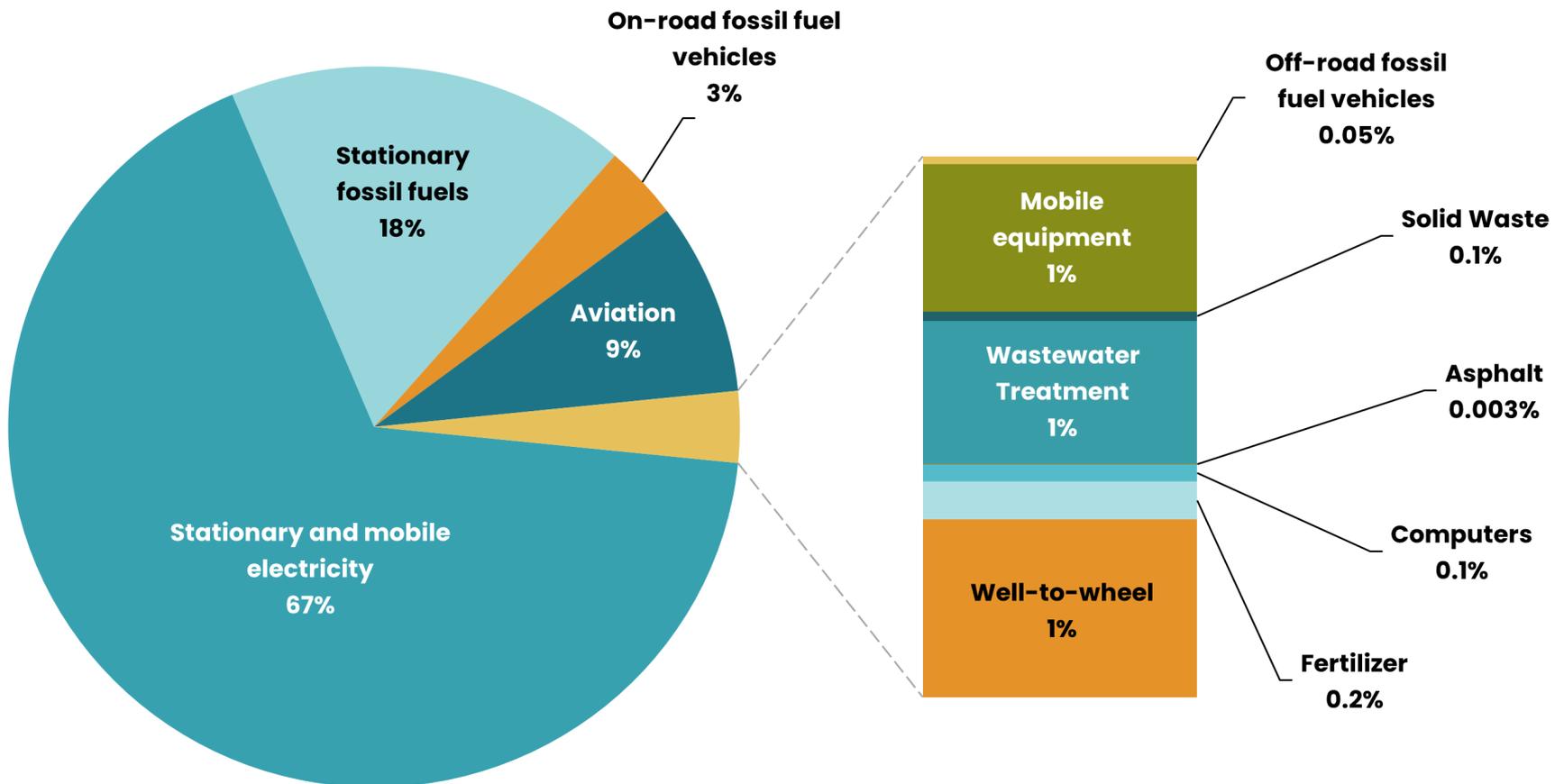


Total 2021 GHG Emissions

15,338
mt CO₂e



2021 GHG emissions by source





Additional Analysis

Carbon Sequestration Analysis

Town Boundary	Total Removals (mt CO ₂ e/ yr)	Total Emissions (mt CO ₂ e/ yr)	Net GHG Balance (mt CO ₂ e/ yr)
Average (2011 - 2019)	- 105	0	- 105
High end range of +45% error	- 152	0	- 152
Low end range of - 45% error	- 58	0	- 58





Questions?

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