



# 2021 Greenhouse Gas Emissions

Town of Erie, Colorado

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Gas Accounting, Modeling, and Visualization



# Presentation Overview

- **2021 Community GHG Emissions Overview**
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  - 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



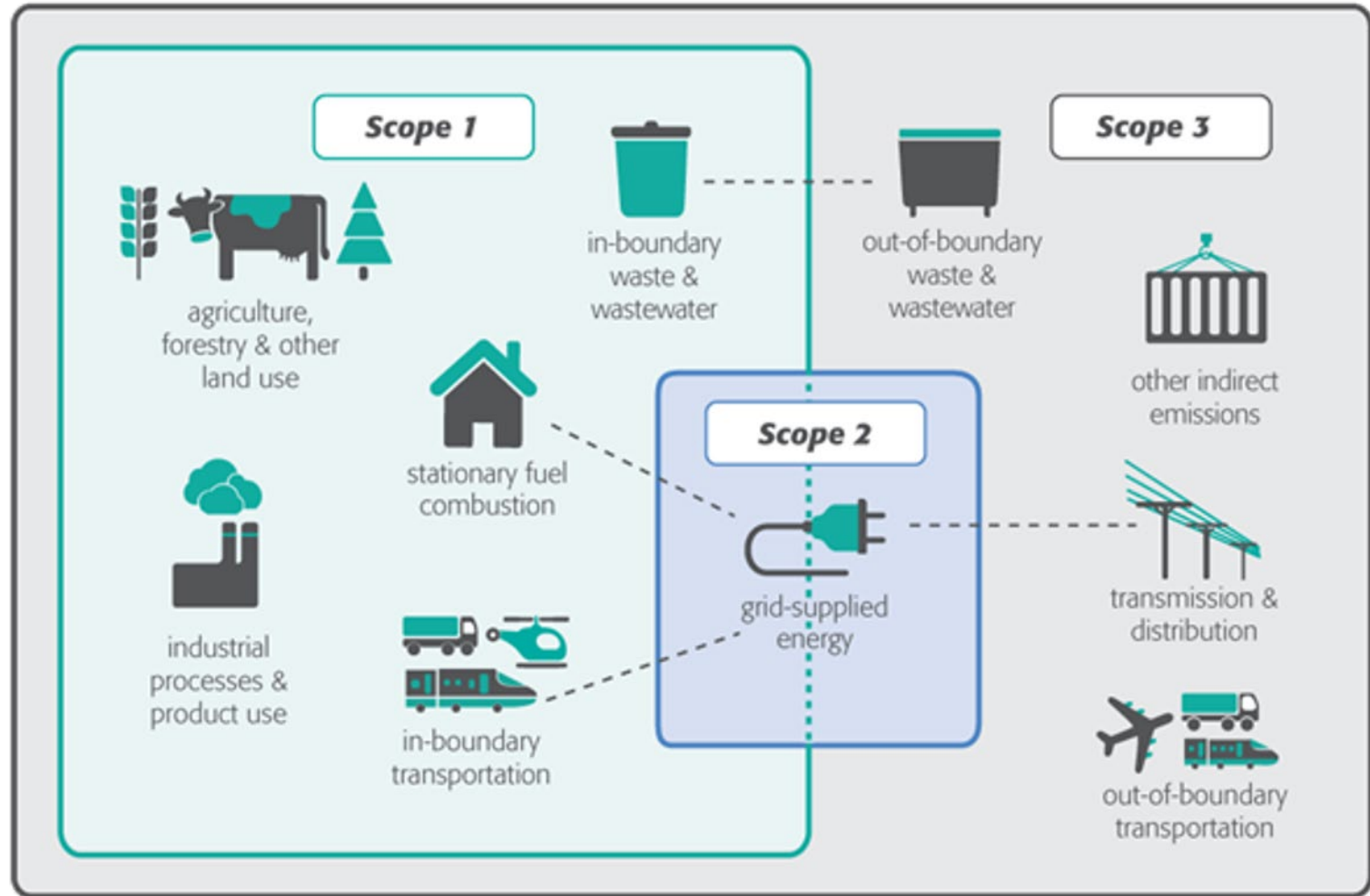




# 2021 Community GHG Emissions Overview



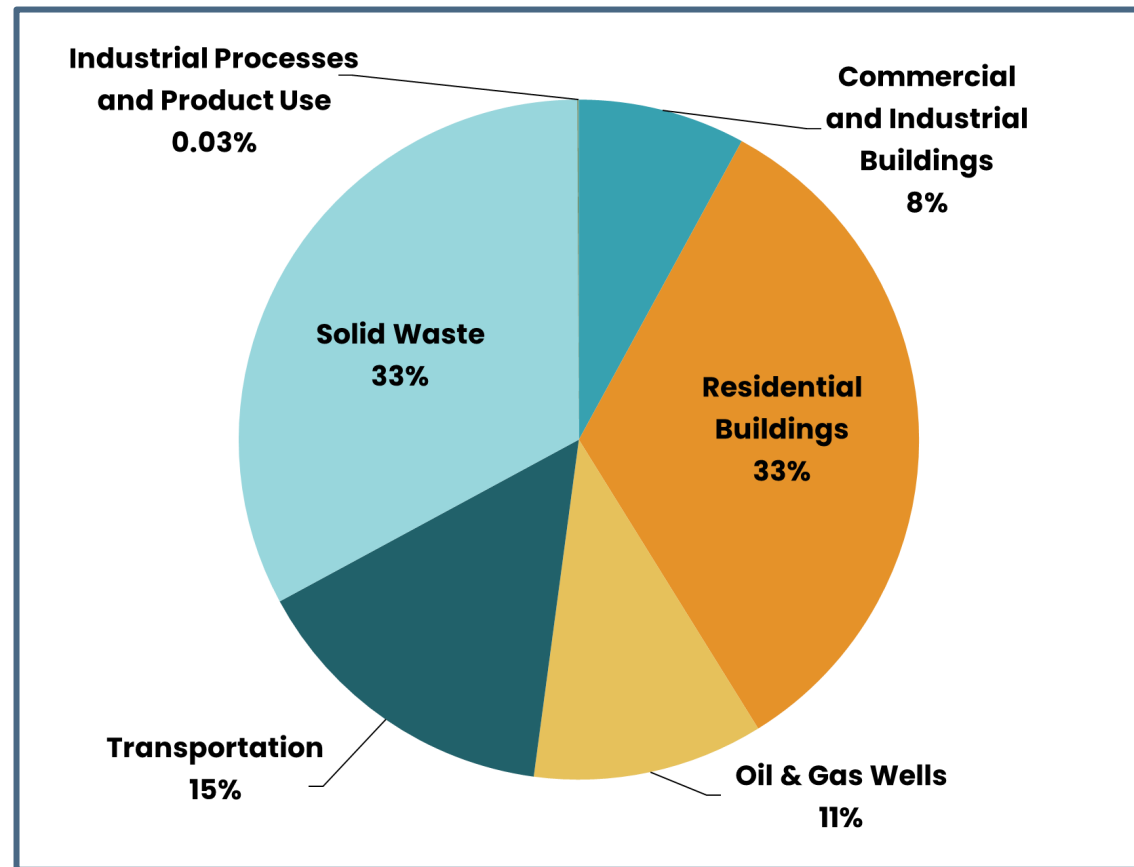
# Emissions Sources





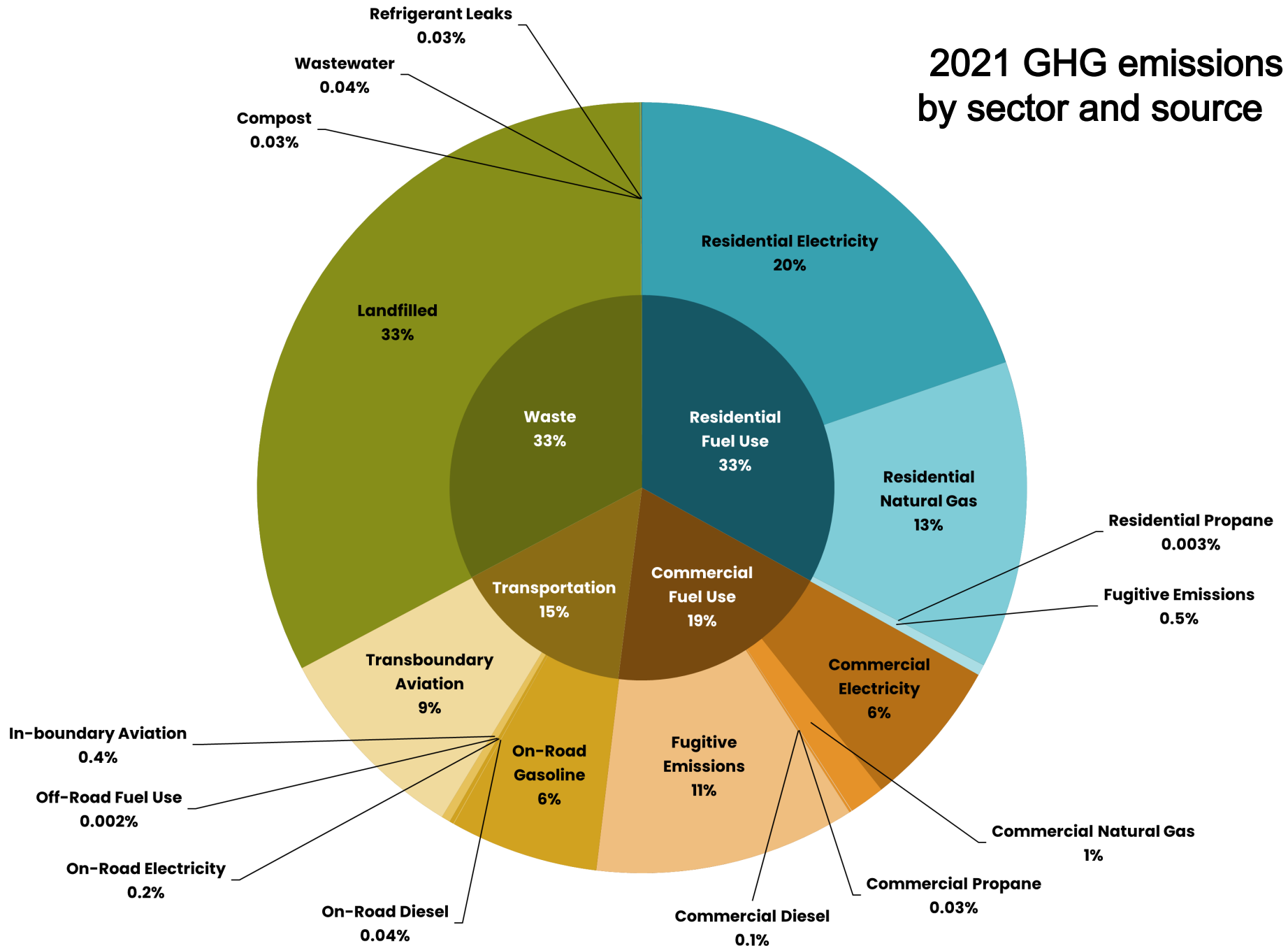
# Total 2021 GHG Emissions

**353,418**  
mt CO<sub>2</sub>e





# 2021 GHG emissions by sector and source



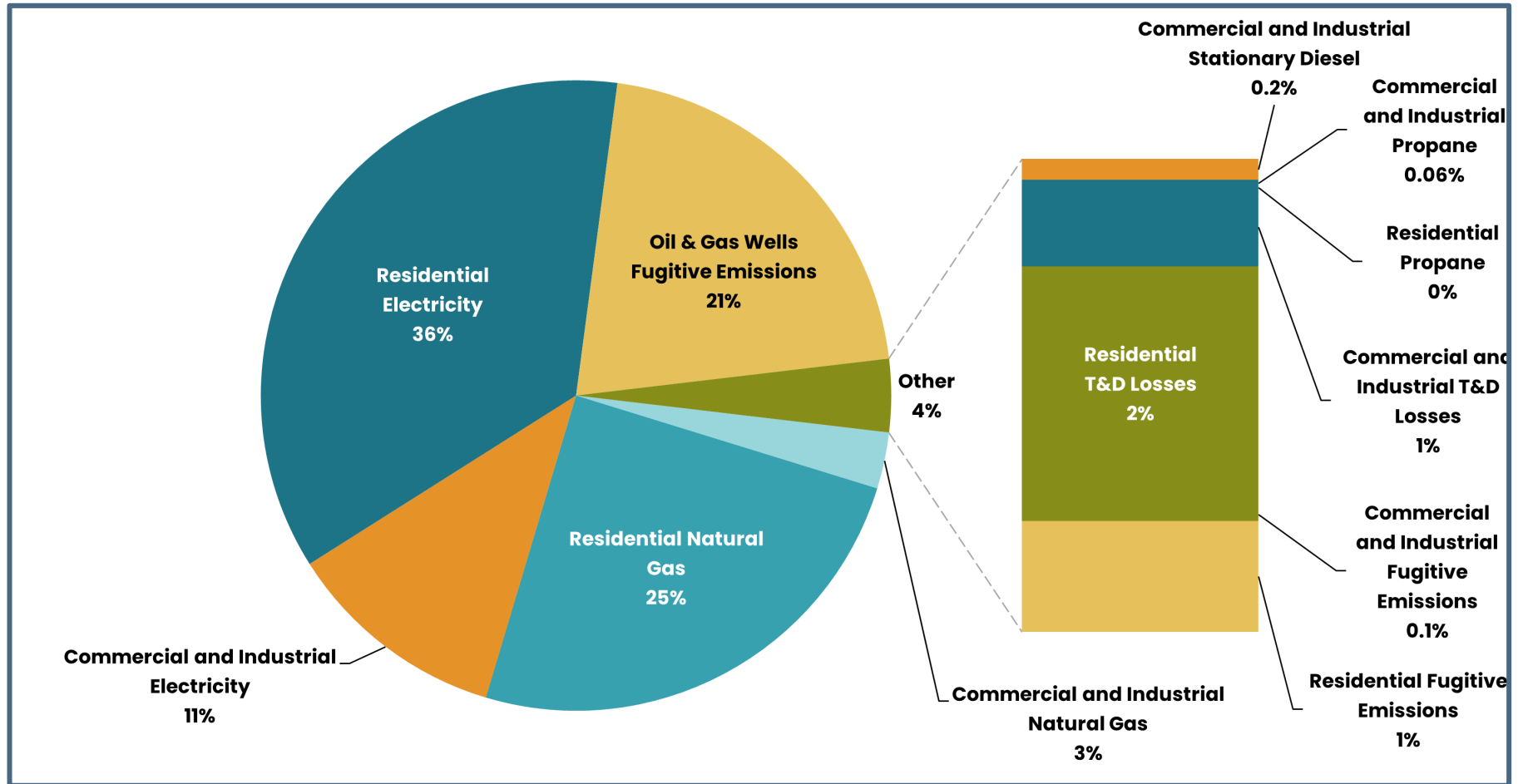




# 2021 GHG Emissions Sources

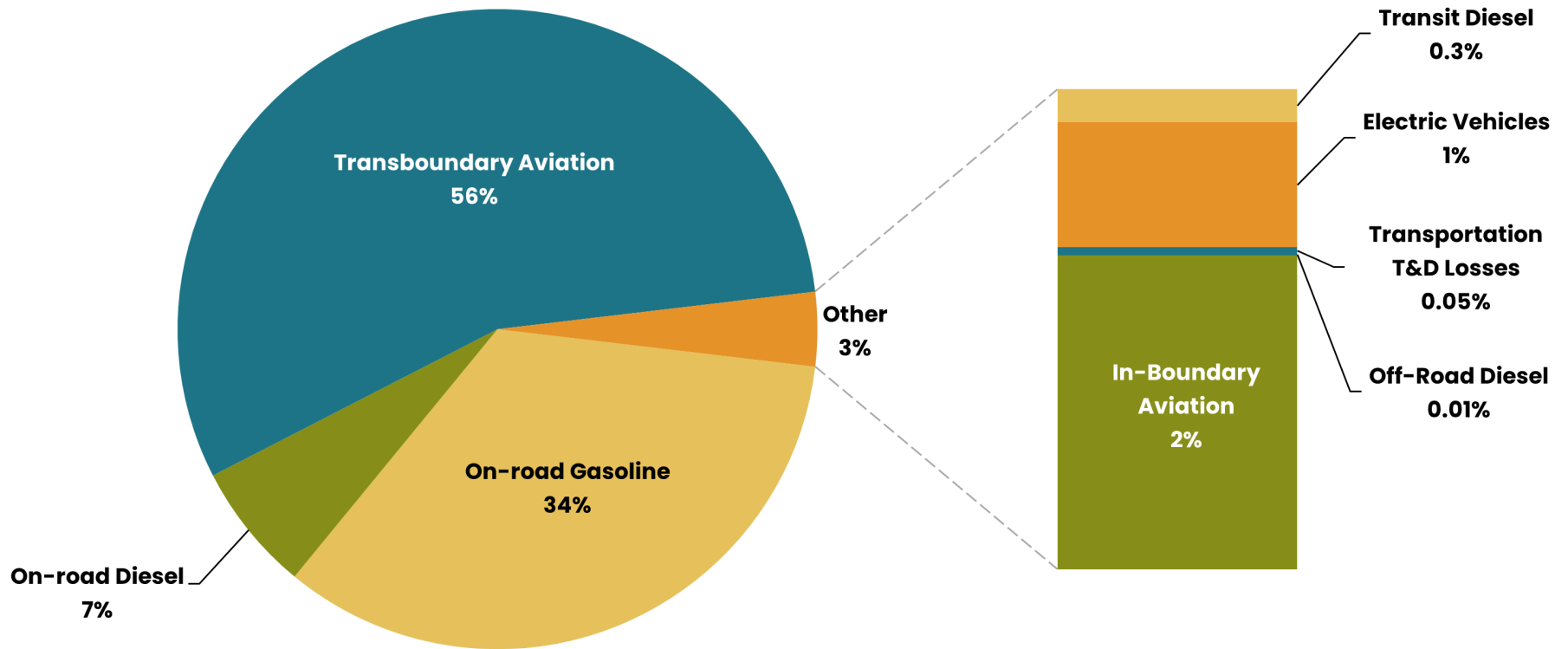


# Stationary Energy Sources



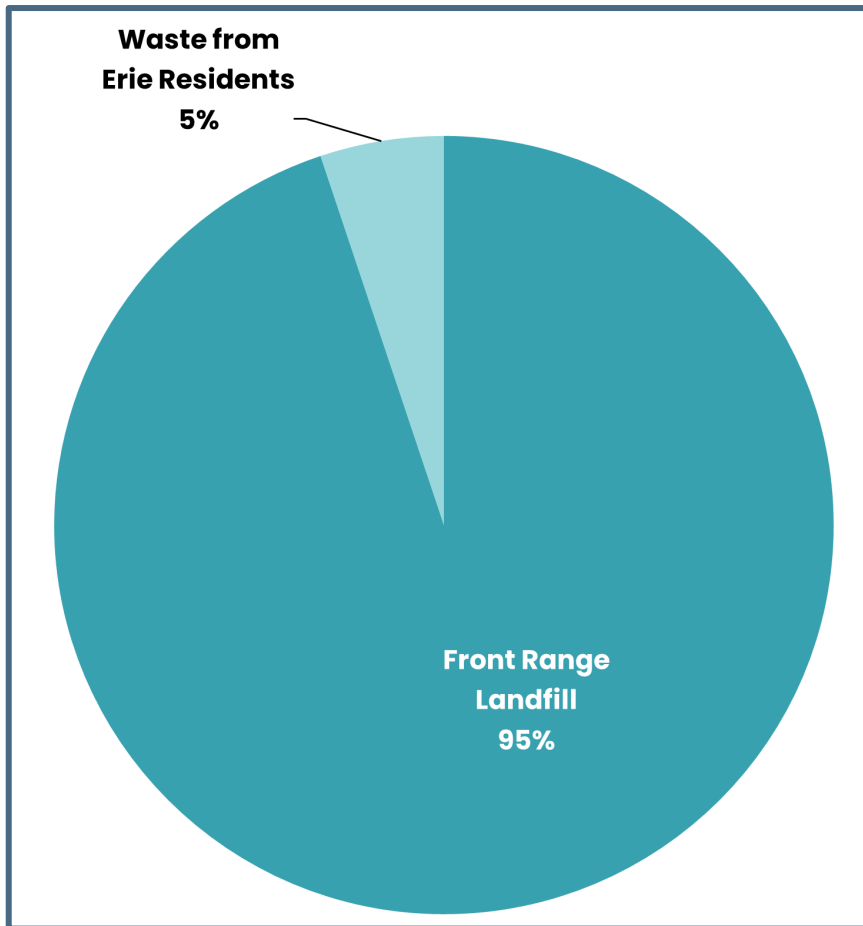


# Transportation Sources





# Waste & Wastewater Sources



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



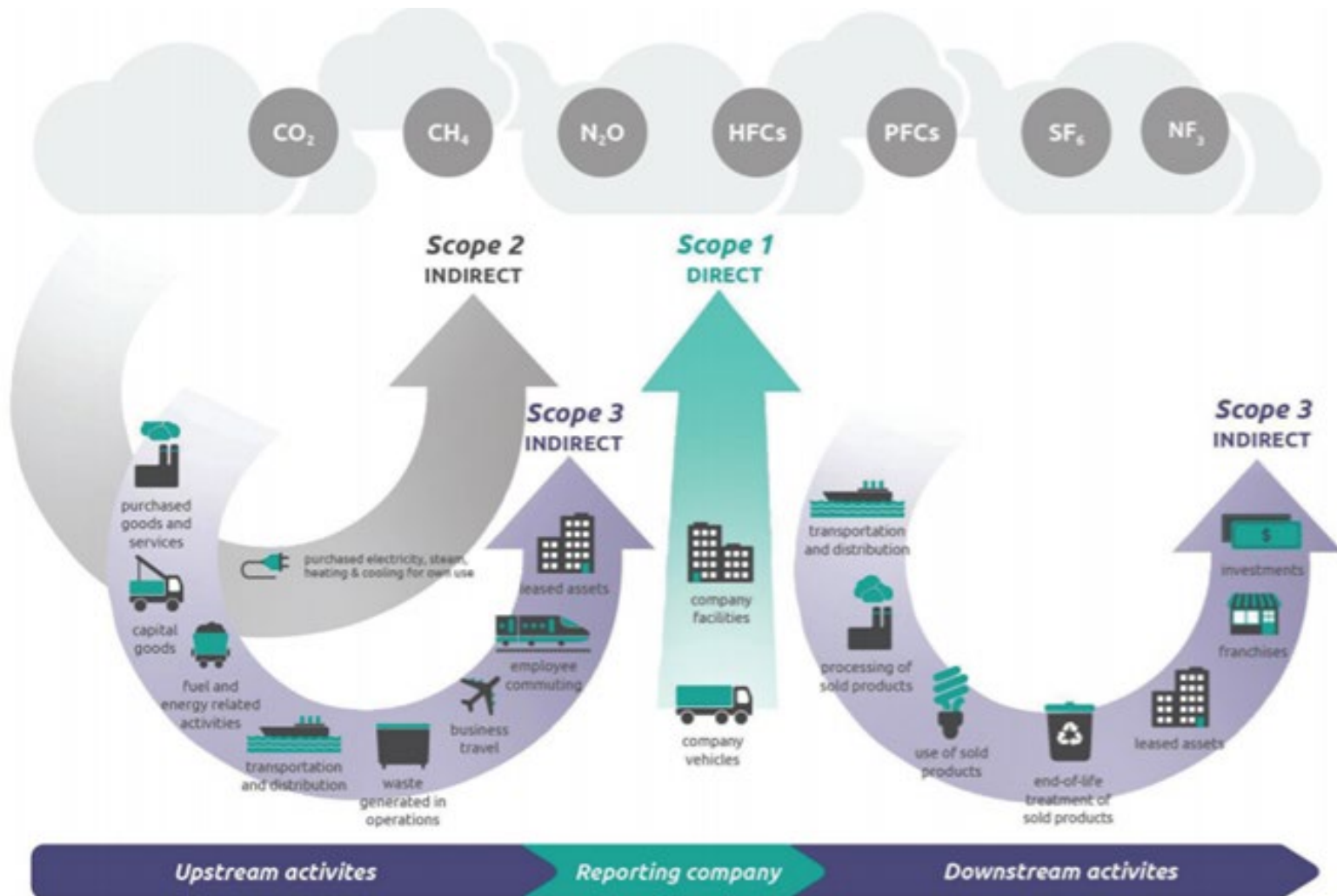




# 2021 Municipal GHG Emissions Overview



# Emissions Sources

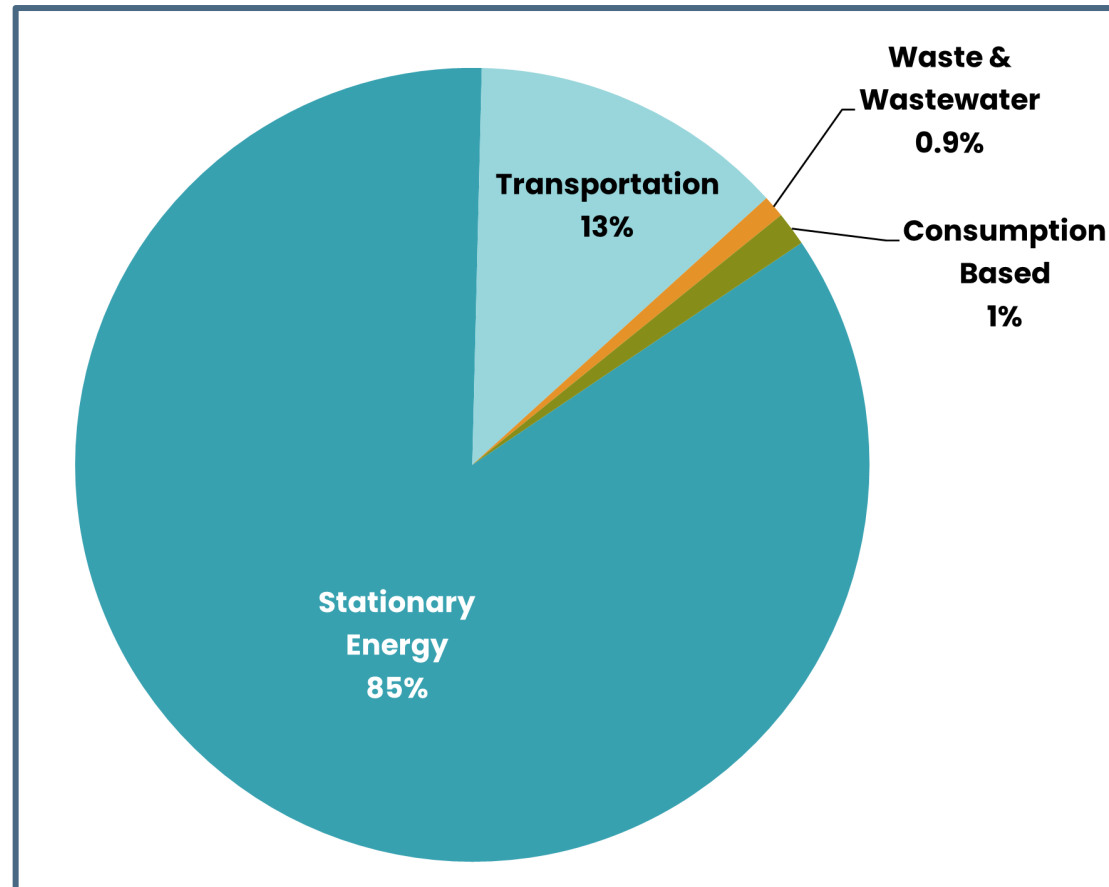


Source: Adapted from WRI/WBCSD GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard.



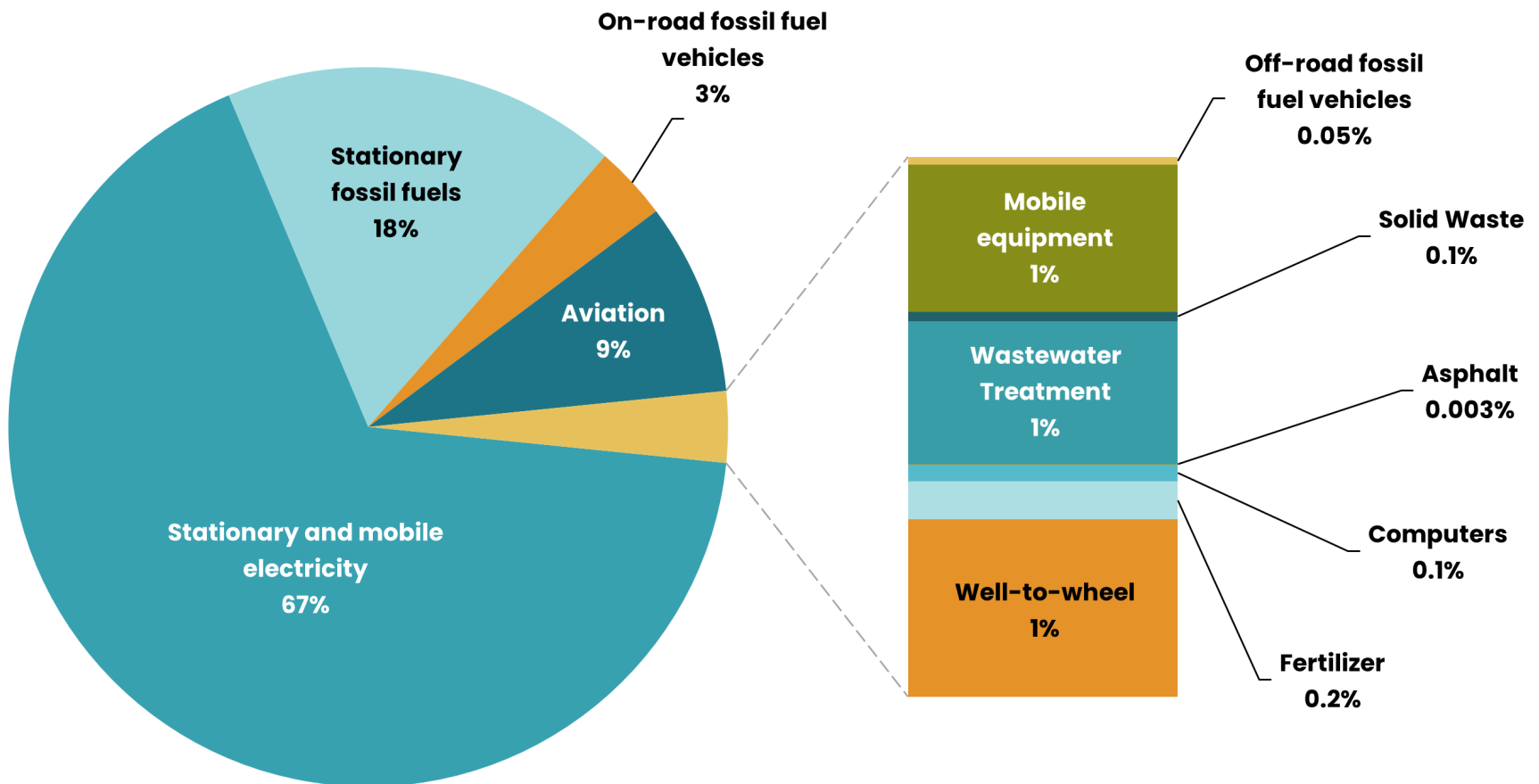
# Total 2021 GHG Emissions

**15,338**  
mt CO<sub>2</sub>e





# 2021 GHG emissions by source







# Additional Analysis



# Carbon Sequestration Analysis

Town Boundary	Total Removals (mt CO <sub>2</sub> e/ yr )	Total Emissions (mt CO <sub>2</sub> e/ yr )	Net GHG Balance (mt CO <sub>2</sub> 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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