


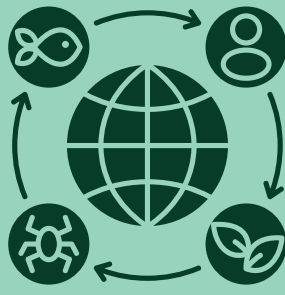
Climate Mitigation in Gig Harbor

The City completed a geographic communitywide inventory for 2019, detailed within the Climate Action Plan. The geographic communitywide inventory results helped inform the mitigation targets identified through the CAP and are tracked to assess the city’s progress over time. As shown in Figure 1 below, the largest sources of communitywide emissions in 2019 were **transportation** (51%), **buildings and energy** (29%), and **land use** (13%). These are areas in which the city’s residents and businesses can focus emission reduction efforts.


Key Emissions Takeaways



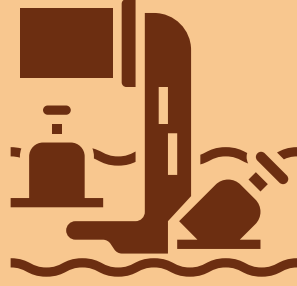
Transportation was the largest source of emissions within the community, responsible for 51% (41,743 MTCO₂e) of Gig Harbor’s emissions. Within transportation, on-road sources (from passenger and freight vehicles) were the highest contributors. It is common for transportation emissions to be the top contributor, specifically when a jurisdiction’s electricity provider relies on renewable sources.



Land use was the third largest source of communitywide emissions, contributing 13% (11,042 MTCO₂e) to Gig Harbor’s emissions. This is in line with Pierce County land use emissions, where land use emissions trend higher than neighboring counties, like King County, due to higher rates of forest land conversion for settlement.

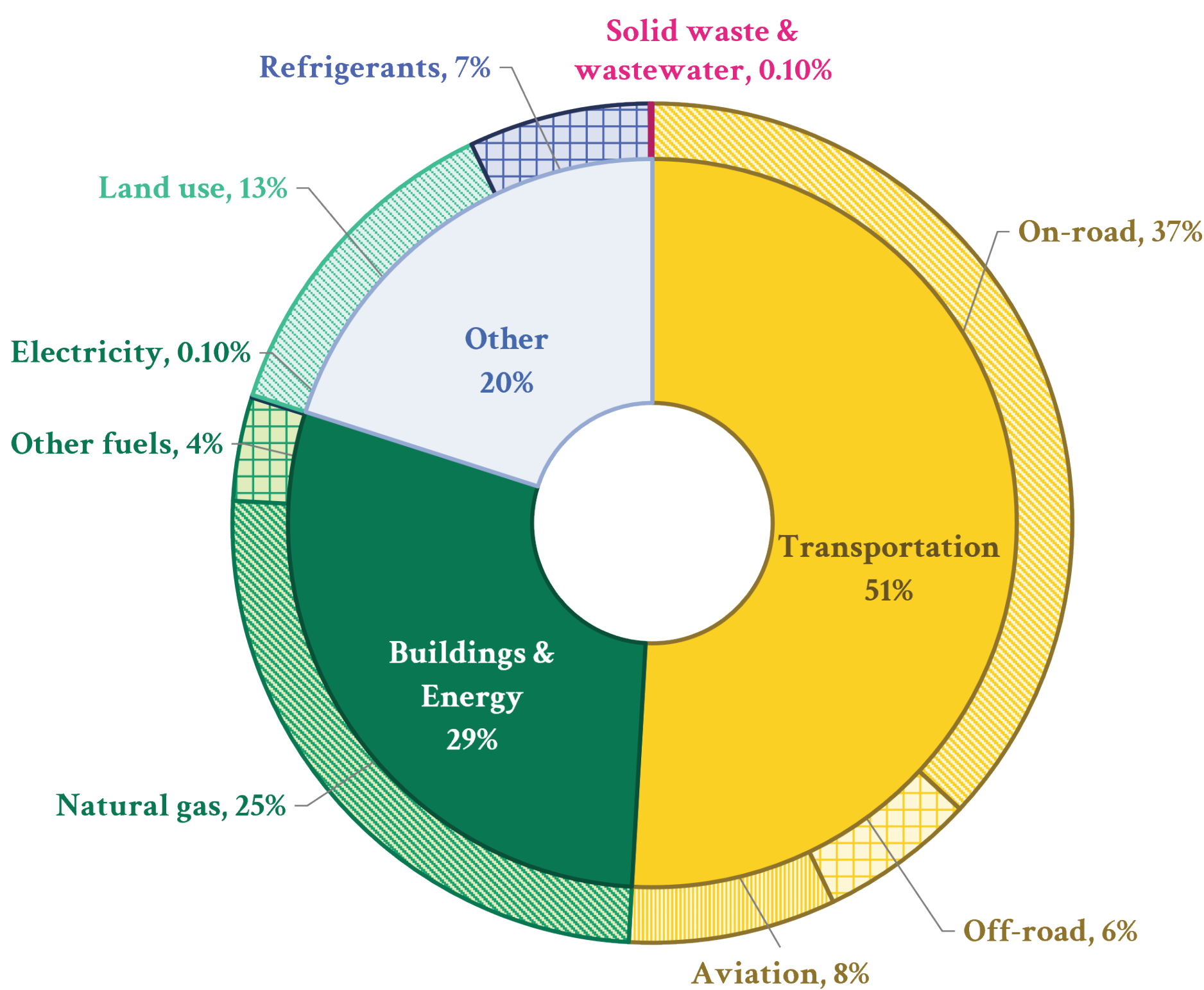


Building energy was the second largest source of communitywide emissions, making up 29% (23,907 MTCO₂e) of Gig Harbor’s emissions profile. Within buildings and energy, natural gas consumption was the largest contributor of GHG emissions.



The remaining emissions came from refrigerant leakage (7%, 5,729 MTCO₂e) and solid waste and wastewater management (0.1%, 103 MTCO₂e).

Figure 1. City of Gig Harbor GHG Emissions Profile (2019)



Data limitations

Locally specific data were used where available to calculate Gig Harbor’s 2019 communitywide emissions. In some instances, locally specific data were unavailable in which case Pierce County, Washington State, or national data were used and scaled to Gig Harbor’s community (Table 13).

Figure 1. City of Gig Harbor GHG Emissions Profile (2019)

Emissions Source	Level of Data	Scaling Factor
Transportation; Aviation	Airport	Weighted Income and Population
Transportation; Off-road	Pierce County	Population
Transportation; On-road	Pierce County	Population
Buildings & Energy; Other fuels	Washington State	Population and Employment
Refrigerants	National	Population