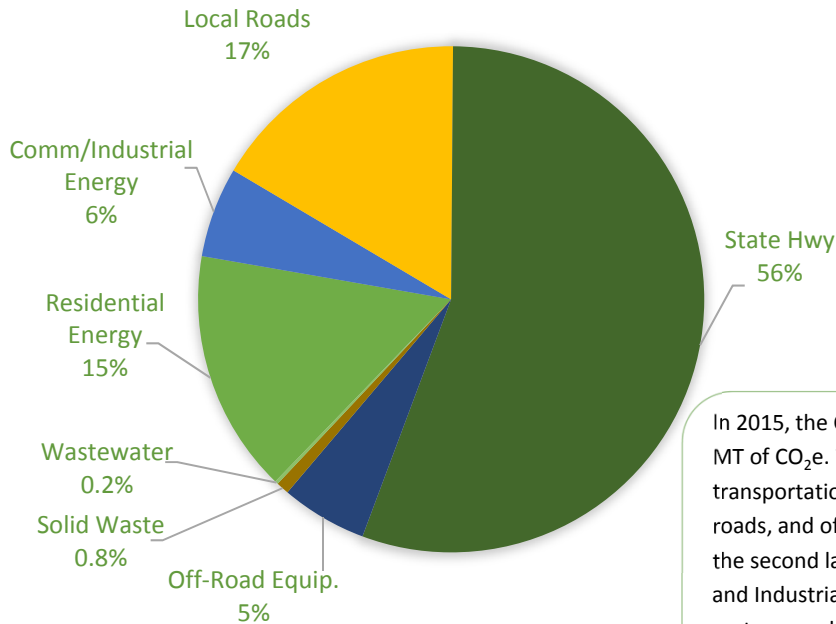


## 2015 Lafayette Community Greenhouse Gas Emissions

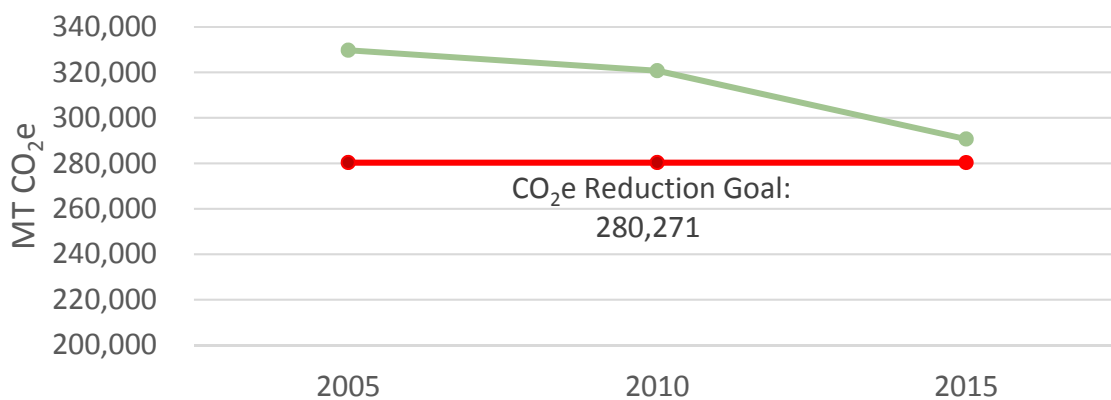
### Total GHG Emissions: 290,643 MT CO<sub>2</sub>e



In 2015, the City of Lafayette emitted approximately 290,643 MT of CO<sub>2</sub>e. 78% of these emissions came from the transportation sector, which includes State highways, local roads, and off-road equipment. The residential sector made up the second largest source (15%) followed by the Commercial and Industrial sectors (6%). The Solid Waste and Wastewater sectors combined made up only 1% of overall community emissions.

## 2015 Lafayette Community Greenhouse Gas Emission Profile

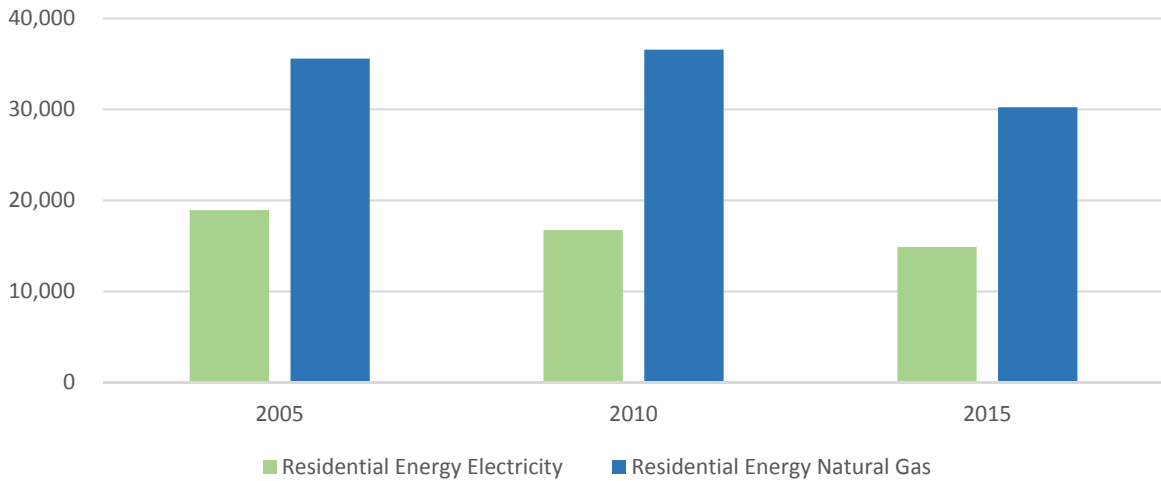
### Total Annual Emissions: 2005 - 2015



Over the last decade, the City of Lafayette has taken measures to reduce its greenhouse gas emissions. Since 2005, greenhouse gas emissions have decreased by 39,087 MT CO<sub>2</sub>e, a 11.9% reduction.

## Residential Energy Sector

### Residential GHG Emissions (MT CO<sub>2</sub>e)

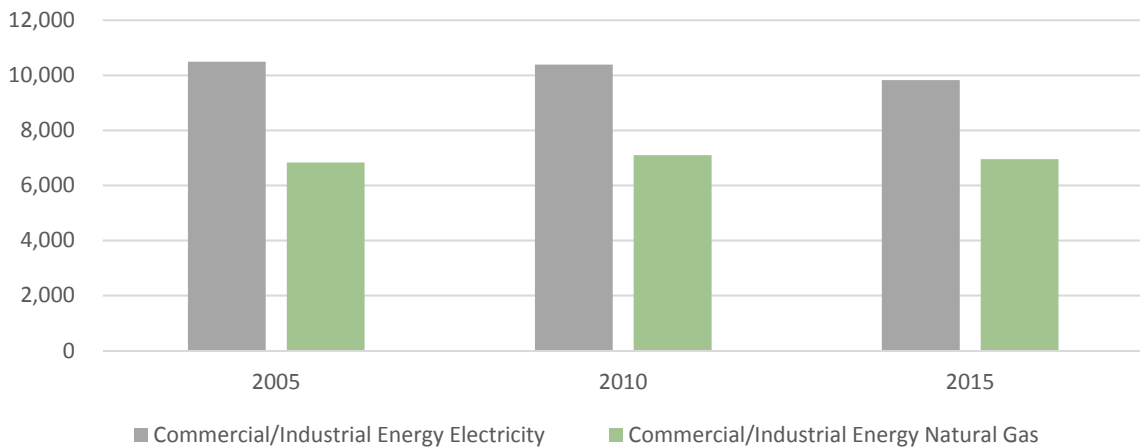


The residential sector made up 16% of overall greenhouse gas emissions in 2015. Since the baseline year (2005) greenhouse gas emissions resulting from electricity use have decreased by 21% and greenhouse gas emissions from natural gas consumption decreased by 15%.

\*2005 electricity and natural gas figures have been adjusted from the baseline inventory to reflect the latest PG&E usage data and emissions figures for 2005.

## Commercial & Industrial Energy Sector

### Commercial/Industrial Energy GHG Emissions (MT CO<sub>2</sub>e)

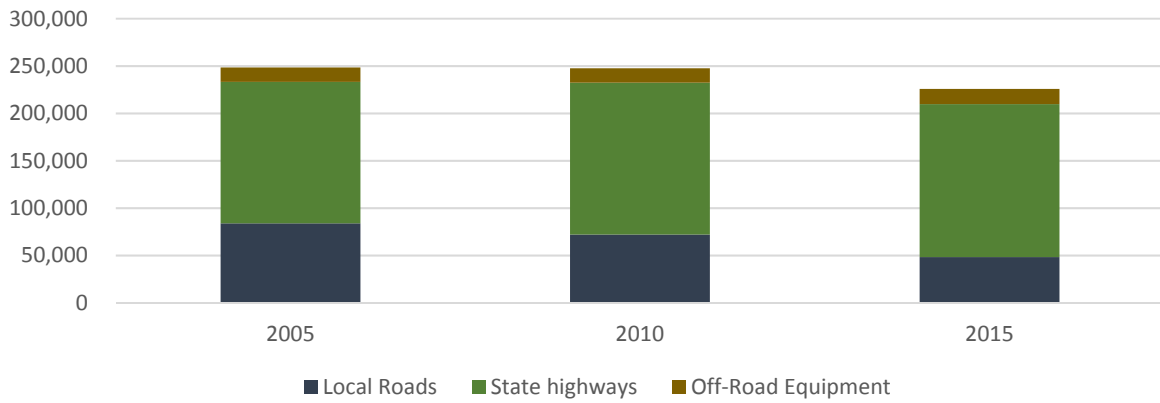


The Commercial/Industrial sector made up 6% of total emissions in 2015. Since 2005, GHG emissions from electricity use have decreased by slightly more than 6% while GHG emissions from natural gas have increased by almost 2%.

\*2005 electricity and natural gas figures have been adjusted from the baseline inventory to reflect the latest PG&E usage data and emissions figures for 2005.

## Transportation Sector

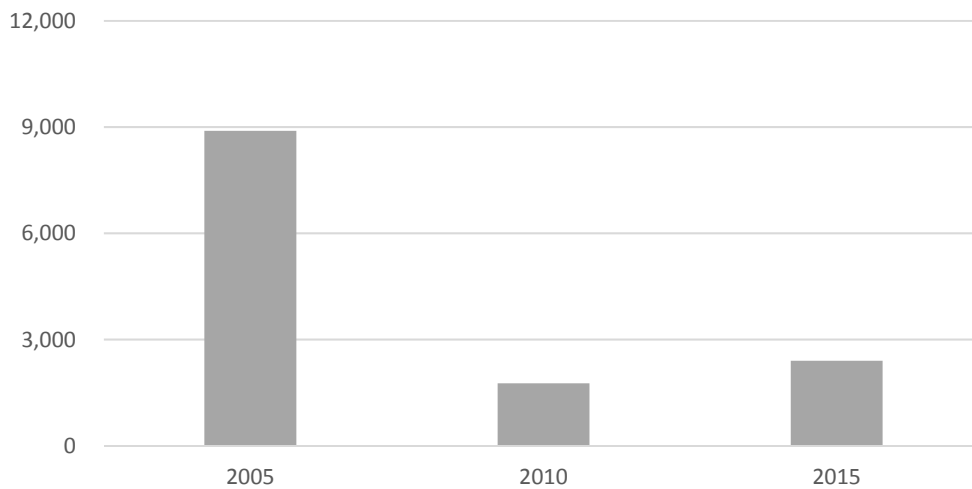
Transportation Greenhouse Gas Emissions  
(MT CO<sub>2</sub>e)



The Transportation Sector made up the largest source of greenhouse gas emissions in Lafayette (78%). GHG emissions came from local roads, state highways and off-road equipment. Since 2005, GHG emissions for this sector have been reduced by 29%. Although GHG emissions from state highways have increased, but the increase has been offset by a reduction in GHG emissions from travel on local roads.

## Solid Waste Sector

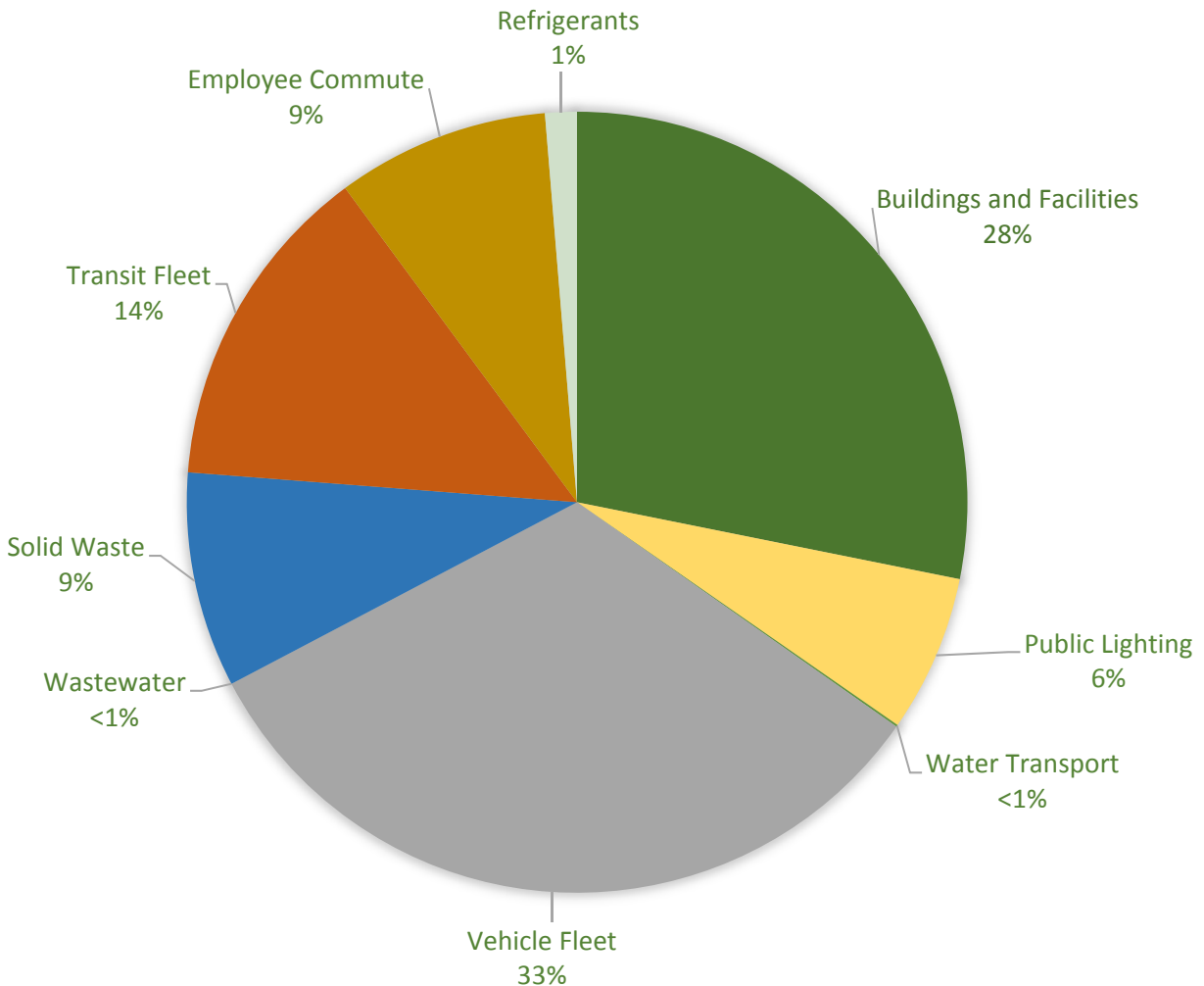
Solid Waste Greenhouse Gas Emissions (MT CO<sub>2</sub>e)



GHG emissions from the solid waste sector made up less than 1% of overall emissions. The solid waste sector has seen significant GHG reductions since 2005 (84%).

## Municipal Greenhouse Gas Emissions

### 2015 Lafayette Municipal GHG Emissions (MT CO<sub>2</sub>e)



In 2015, Lafayette's local government operations were responsible for 896 MT CO<sub>2</sub>e, or approximately 0.3% of community GHG emissions. Municipal emissions are a subset of the community inventory and include seven different sectors. The three largest sources of emissions in 2015 were Vehicle Fleet (33%), followed by Building and Facilities (28%), and Transit Fleet (14%). Employee Commute and Solid Waste made up 9% of overall emissions each while Public lighting made up 6%. Wastewater, Water Transport and Refrigerants made up less than 2% of overall municipal GHG emissions.