2012 Report
City Green Plan

2012 GHG Emissions

- ▉ **Building & Facilities**
- ▉ **Streetlights & Traffic Signals**
- ▉ **Water Delivery**
- ▉ **Wastewater Delivery**
- ▉ **Vehicle Fleet**
- ▉ **Transit Fleet**
- ▉ **Employee Commute**
- ▉ **Fugitive Emissions**

6,246 tonnes of CO_2e

GHG are expressed in carbon dioxide equivalents (CO_2e):
1 tonne of CO_2e is equal to the emissions from the combustion of 112 gallons of gasoline

6,246 tonnes of CO_2e = 699,552 gallons of gasoline
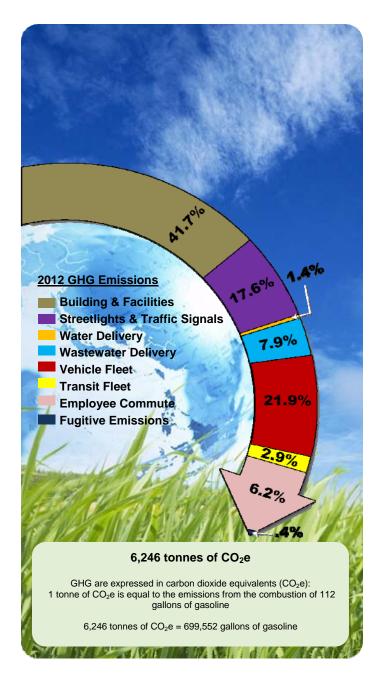
GHG Emission Inventory

In 2009, the City conducted a greenhouse gas (GHG) emission inventory for municipal operations as part of the adoption of the City Green Plan. GHG emissions were analyzed using the LCLEI - Local Governments for Sustainability methodology and ICLEI's Clean Air Climate Protection software (CACP). CACP is a comprehensive emissions software program that calculates GHG emissions and air pollutants, and is a quantification tool for tracking emissions by using a baseline year, interim year(s), and a target year. The City's baseline year was 2009 and consistent with Action 8.8, reduction targets are identified for 2012 and 2020.

The City's GHG emissions inventory was conducted based on municipal energy use and fuel use. All direct emissions, emissions from purchased electricity, and other indirect emissions were reflected in the baseline year totals. Consistent with Action 8.8, the City gathered data from municipal operations for 2012 to determine if the reductions have been achieved. The overall reduction target for 2012 was 7% from the baseline year and an overall 11% reduction target was achieved. Detailed information is depicted in the graphics below including results for each municipal sector.

Comparison Chart

	2009	2012			2009	2012	
Buildings & Facilities	38.4%	41.7%	↑	Vehicle Fleet	23.3%	21.9%	↓
Streetlights & Traffic Signals	16.6%	17.6%	↑	Transit Fleet	3.0%	2.9%	↓
Water Delivery	2.4%	1.4%	↓	Employee Commute	5.8%	6.2%	↑
Wastewater Delivery	9.0%	7.9%	↓	Fugitive Emissions	1.5%	0.4%	↓

GHG Emissions and Reduction Targets