



***Mayor's Goal 4: "Philadelphia becomes the greenest and most sustainable city in America"***

**Topic: Sustainability in the City of Philadelphia**

**Key Presenters: Office of Sustainability**

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## Executive Summary

### Major Accomplishments:

- City Council and voters passed legislation making the Office of Sustainability permanent
- Completed work on Guaranteed Energy Savings Project, saving nearly \$2 million in energy costs during just the construction phase of work
- Partnered with City agencies and others around Philadelphia on sustainability projects, including waste diversion at the Philadelphia Marathon, climate adaptation planning, and the Indego bike share system
- Progress on 15 Greenworks targets through June 2015



## Who We Are

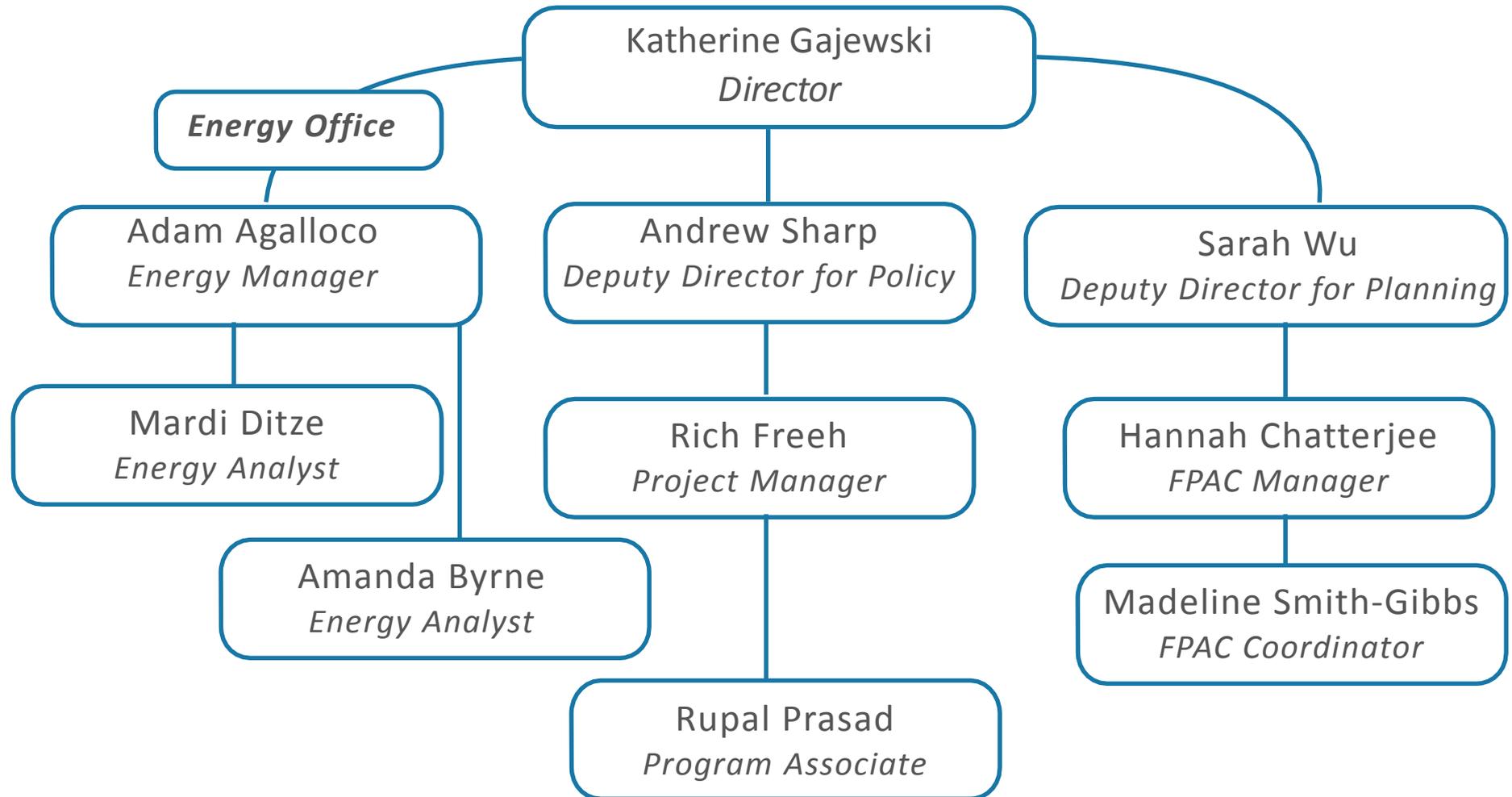
- Mission
- Organizational Chart

**MISSION:**  
**Make Philadelphia the greenest city in America**

**5 GOALS, 15 TARGETS, MORE THAN 150 INITIATIVES**

	<b>Energy</b>	PHILADELPHIA REDUCES ITS VULNERABILITY TO RISING ENERGY PRICES
	<b>Environment</b>	PHILADELPHIA REDUCES ITS ENVIRONMENTAL FOOTPRINT
	<b>Equity</b>	PHILADELPHIA DELIVERS MORE EQUITABLE ACCESS TO HEALTHY NEIGHBORHOODS
	<b>Economy</b>	PHILADELPHIA CREATES A COMPETITIVE ADVANTAGE FROM SUSTAINABILITY
	<b>Engagement</b>	PHILADELPHIANS UNITE TO BUILD A SUSTAINABLE FUTURE

## Organizational Chart



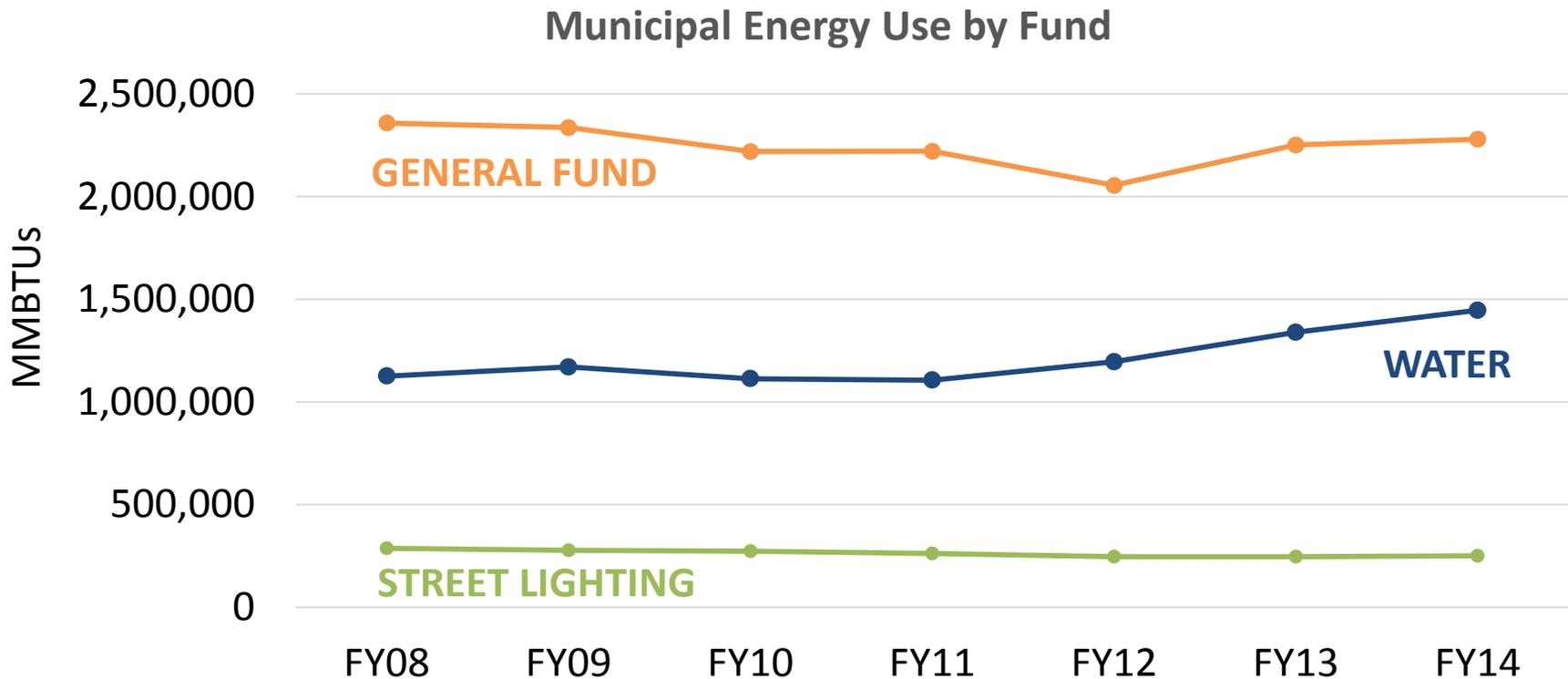


## What We Do

- Performance to Targets
- Key Challenges

## Performance Measure 1: Citywide and Municipal Building Energy Consumption

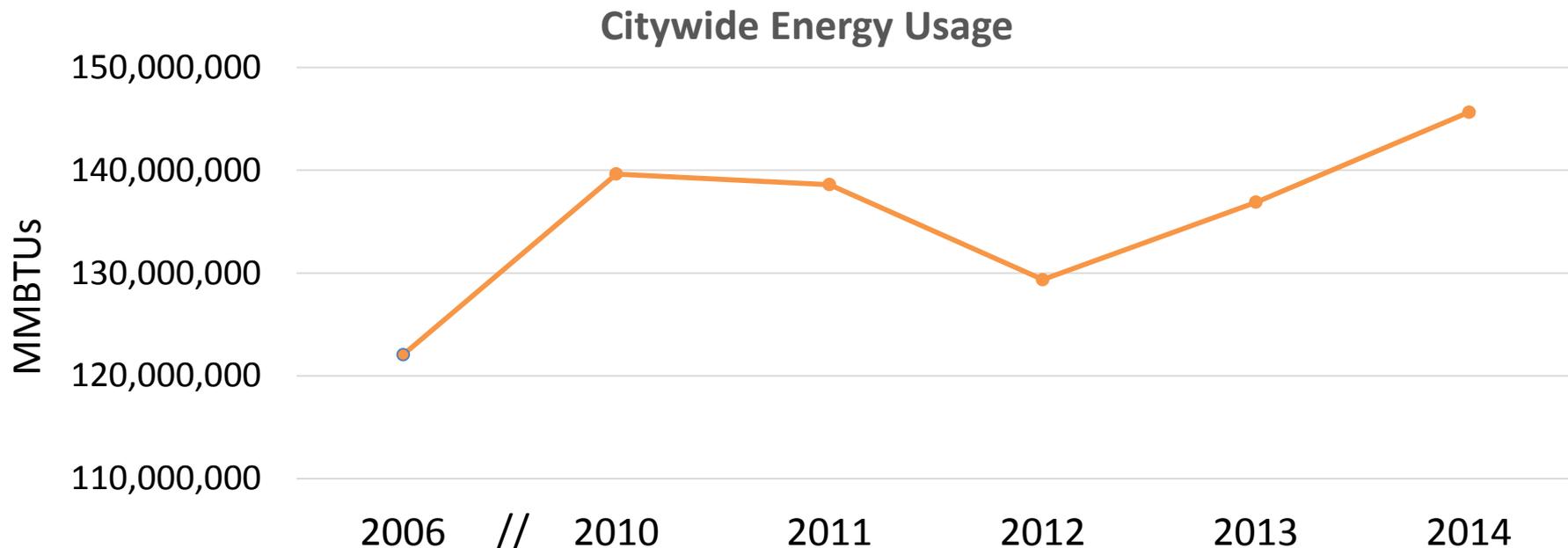
*Target: Lower City Government Energy Consumption by 30%*



Energy usage has decreased in the General Fund and in city street lighting, but Water Fund usage is up due to energy requirements at the Biosolids Recycling Center

## Performance Measure 1: Citywide and Municipal Building Energy Consumption

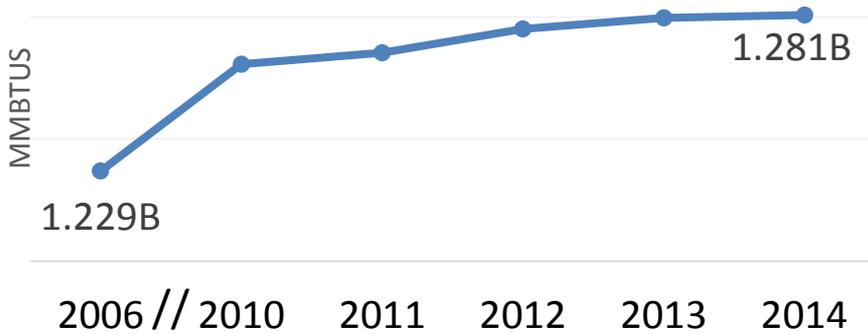
*Target: Reduce Citywide Building Energy Consumption by 10%*



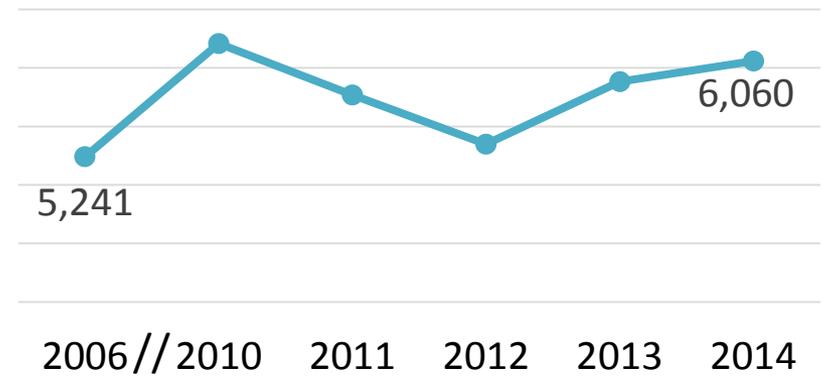
Building energy usage citywide spiked in the past two years, reversing a post-recession downward trend during the first few years of *Greenworks* implementation. This increase demonstrates the need to make further progress in the efficiency of Philadelphia's building stock.

# Performance Measure 1: Citywide and Municipal Building Energy Consumption

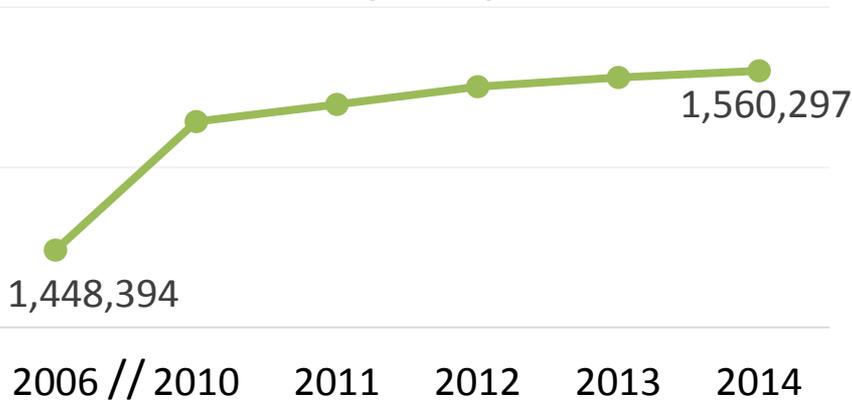
**Citywide Development**  
Total Square Footage (in Billions)



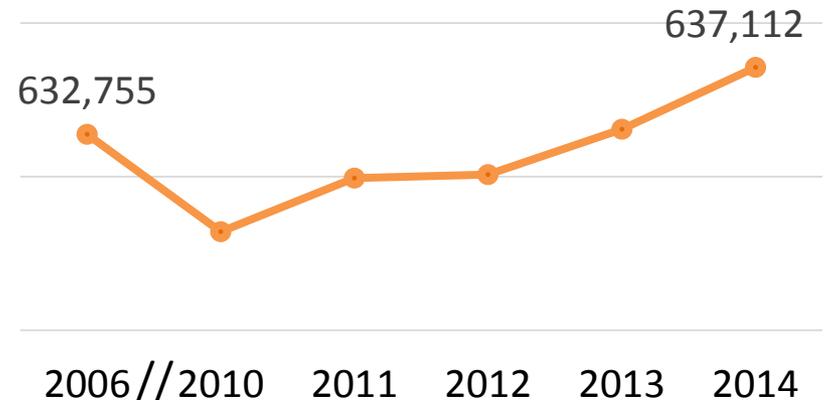
**Hours Requiring Heating or Cooling**



**Philadelphia Population**



**Jobs in Philadelphia**

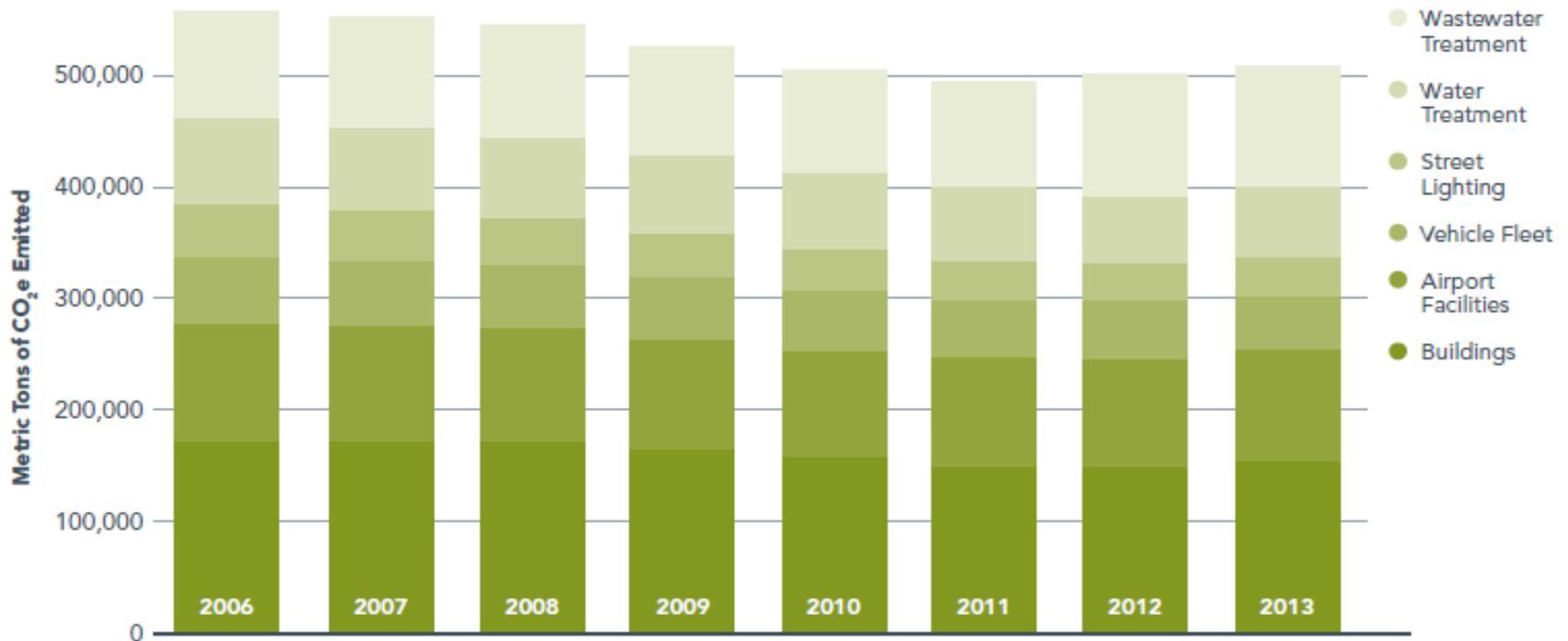


The larger economic trends impact energy usage in the City and should be incorporated in any City wide energy plan.

## Performance Measure 2: Philadelphia Carbon Footprint

*Target: Reduce Municipal and Citywide Greenhouse Gas Emissions by 20%*

### Municipal Emissions by Sector

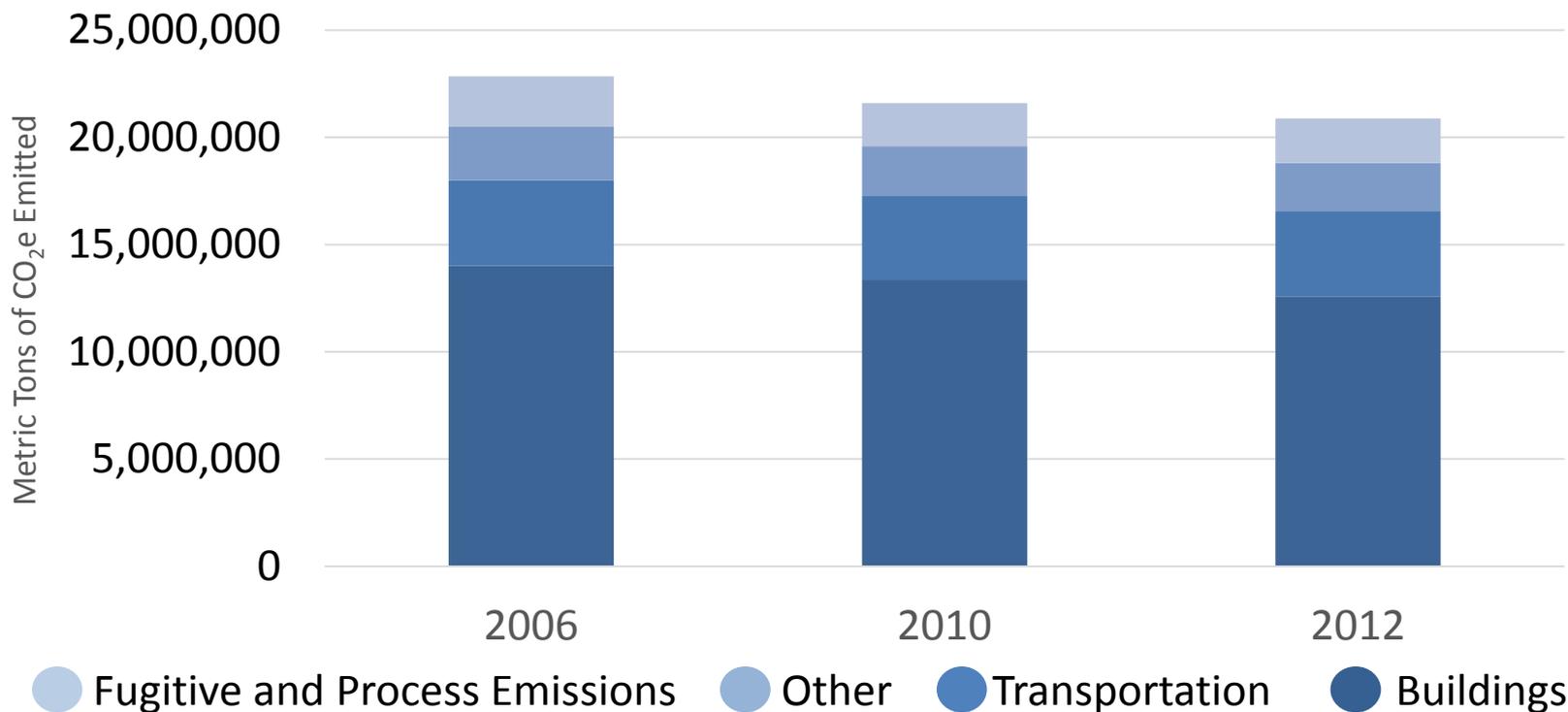


Greenhouse gas emissions for municipal facilities and operations and citywide have both declined from a 2006 baseline, driven by a cleaner electricity grid and more efficient buildings.

## Performance Measure 2: Philadelphia Carbon Footprint

*Target: Reduce Municipal and Citywide Greenhouse Gas Emissions by 20%*

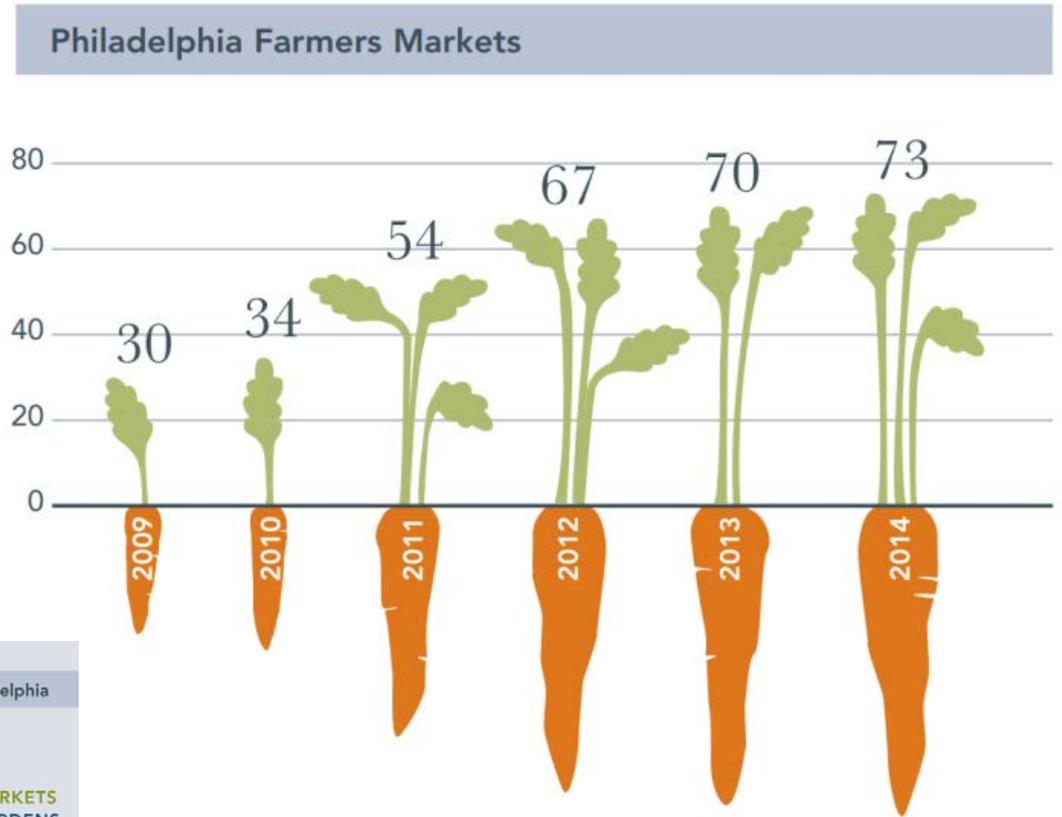
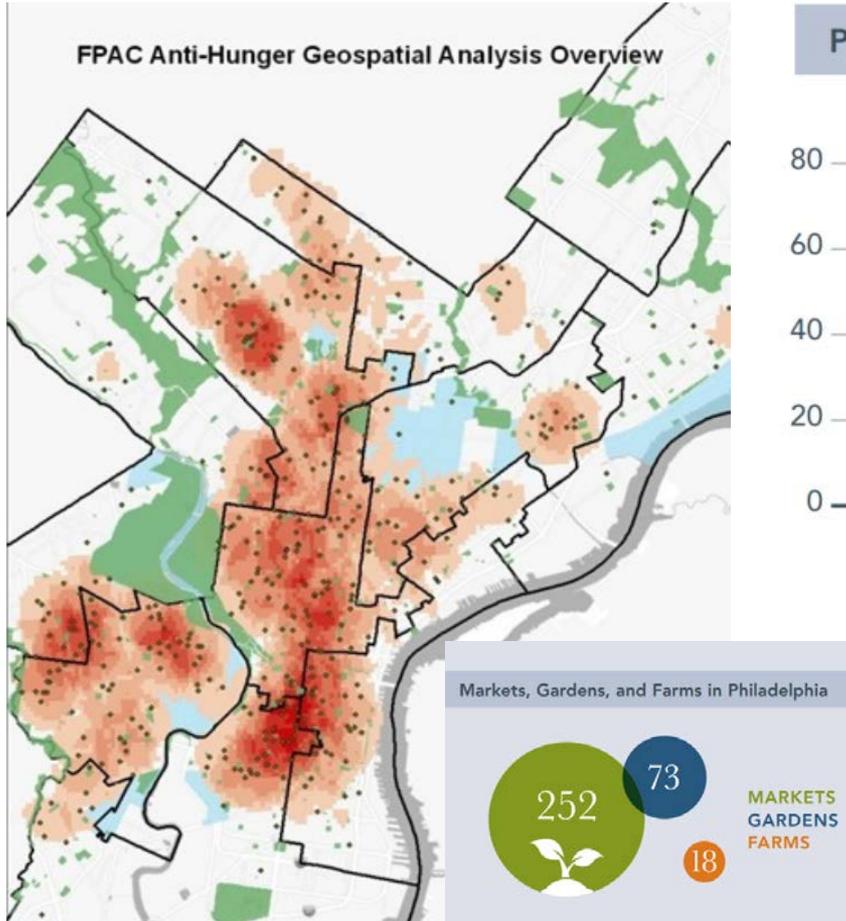
Citywide Emissions by Sector



Greenhouse gas emissions for municipal facilities and operations and citywide have both declined from a 2006 baseline, driven by a cleaner electricity grid and more efficient buildings.

# Performance Measure 3: Food Access

Target: Provide Walkable Access to Affordable, Healthy Food for All Philadelphians

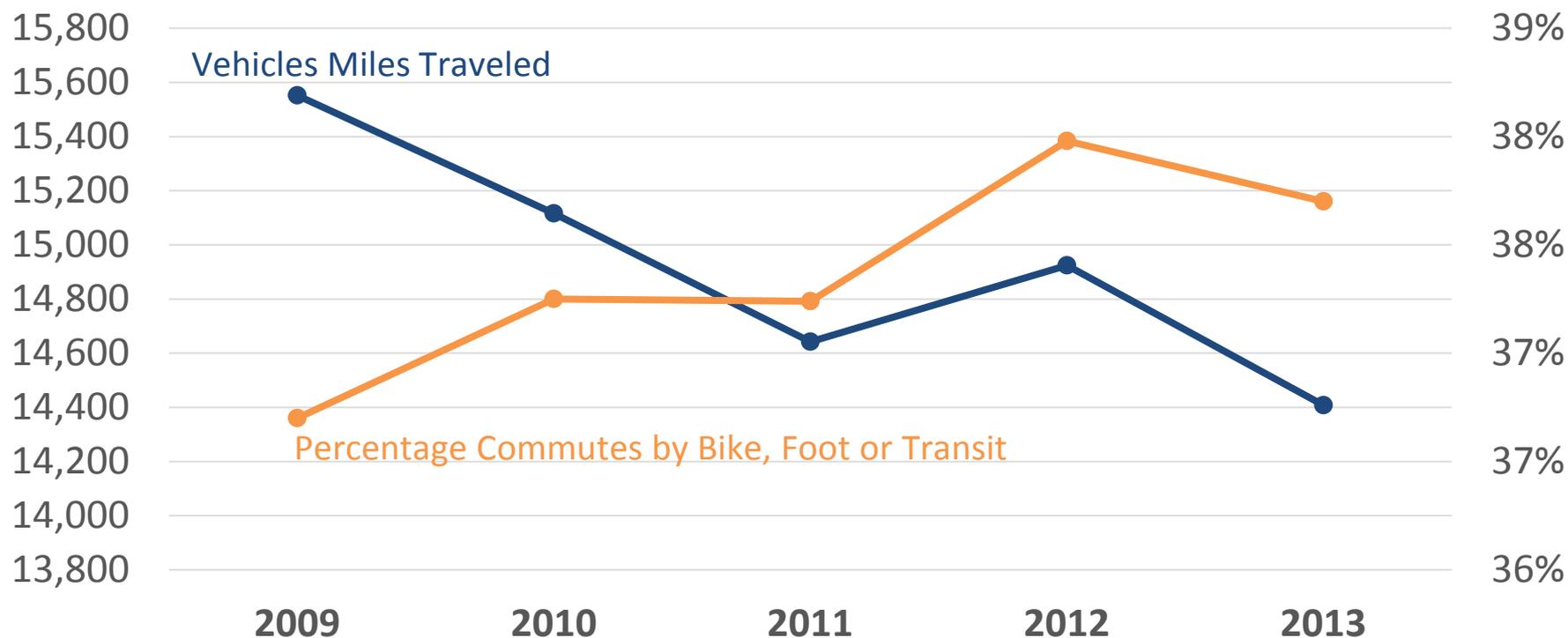


Food Policy Advisory Council is using data to target distribution of food access resources citywide.

## Performance Measure 4: Multimodal Transportation

*Target: Reduce Vehicle Miles Traveled by 10%*

Vehicle Miles Traveled & Alternative Mode Share



Philadelphia exceeded the 10 percent VMT target in 2013, the most recent data available, while more commuters are turning to alternative transportation like the Indego bike share system.

# Key Strength: Partnerships



**MOS partners with departments across local government to accomplish shared goals.**

## Key Challenges



***Integrating work across city government:***  
Establishing a culture of cross-departmental collaboration is essential to the success of *Greenworks* initiatives.



***Aligning policies with state and federal partners:***  
Decisions made at the state and federal levels impact sustainability policy in Philadelphia.



***Matching scope of vision to available resources:***  
*Greenworks* touches every aspect of sustainability, but prioritizing where resources are available and local government most effective has been challenging.



# What's on the Horizon

- Initiatives

## Current Initiatives

- Publication of climate adaptation report and local analysis on achieving deep greenhouse gas emission reductions (with Drexel University)
- Planning for new municipal efficiency projects through the Energy Efficiency Fund
- Release of two reports with policy recommendations by Food Policy Advisory Council on soil safety and food waste
- Meeting with municipal stakeholders and state officials to discuss implementation of EPA Clean Power Plan

## Longer Term Initiatives

- Developing new sustainability plan with next administration
- Evaluating opportunities for large-scale energy efficiency and renewable energy projects municipally and citywide
- Deepen community engagement and plan for sustainability at a neighborhood scale
- Implement initiatives from climate adaptation planning process

## Additional Public Resources

- <http://www.phila.gov/green>
- <http://phila.gov/benchmarking>
- [www.phillyfpac.org](http://www.phillyfpac.org)
- [www.greenworksphila.wordpress.com](http://www.greenworksphila.wordpress.com)
- [mos@phila.gov](mailto:mos@phila.gov)
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