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# **The City of Pittsburgh's Climate Protection Initiative**

*Presentation to the City Council*

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# Pittsburgh's Climate Protection Program

- Combined effort of Green Building Alliance, Clean Air-Cool Planet, and ICLEI- Local Governments for Sustainability
- Work through ICLEI's 5 Milestone Cities for Climate Protection<sup>®</sup> Campaign

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# Green Government Task Force

- Chaired by Mayor Ravenstahl, Councilmember Peduto, and Senator Ferlo
- Multi-stakeholder group actively engaged in climate protection or sustainability activities in Pittsburgh
- Sub-committees created to quantify existing actions and develop ideas and suggestions for new action

# ICLEI – Local Governments for Sustainability



*A worldwide movement of local governments dedicated to achieving tangible improvements in global environmental conditions through*  
**CUMULATIVE LOCAL ACTION**

- ❑ Association of cities, towns, counties in over 50 countries
- ❑ 11 offices worldwide

# Cities Contribute to the Problem And can Create the Solutions

Local governments influence all major sources of  
global warming pollution



Energy



Transportation



Solid Waste

# The CCP Milestone Process



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# PITTSBURGH'S INVENTORY RESULTS

## MUNICIPAL

2003 Emissions: 247,605 Tons eCO<sub>2</sub>

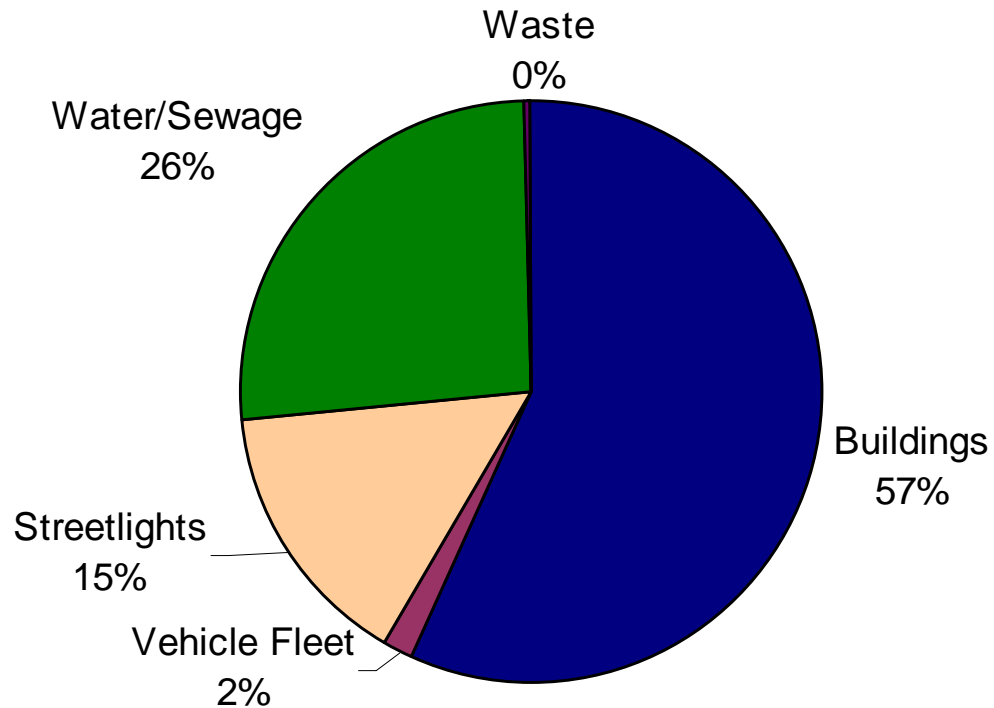
### Equivalencies

- 48,620 cars not driven yearly
- 25,583,538 gallons of gasoline
- 532,677,929 kWh of Energy

# PITTSBURGH'S INVENTORY RESULTS

## MUNICIPAL

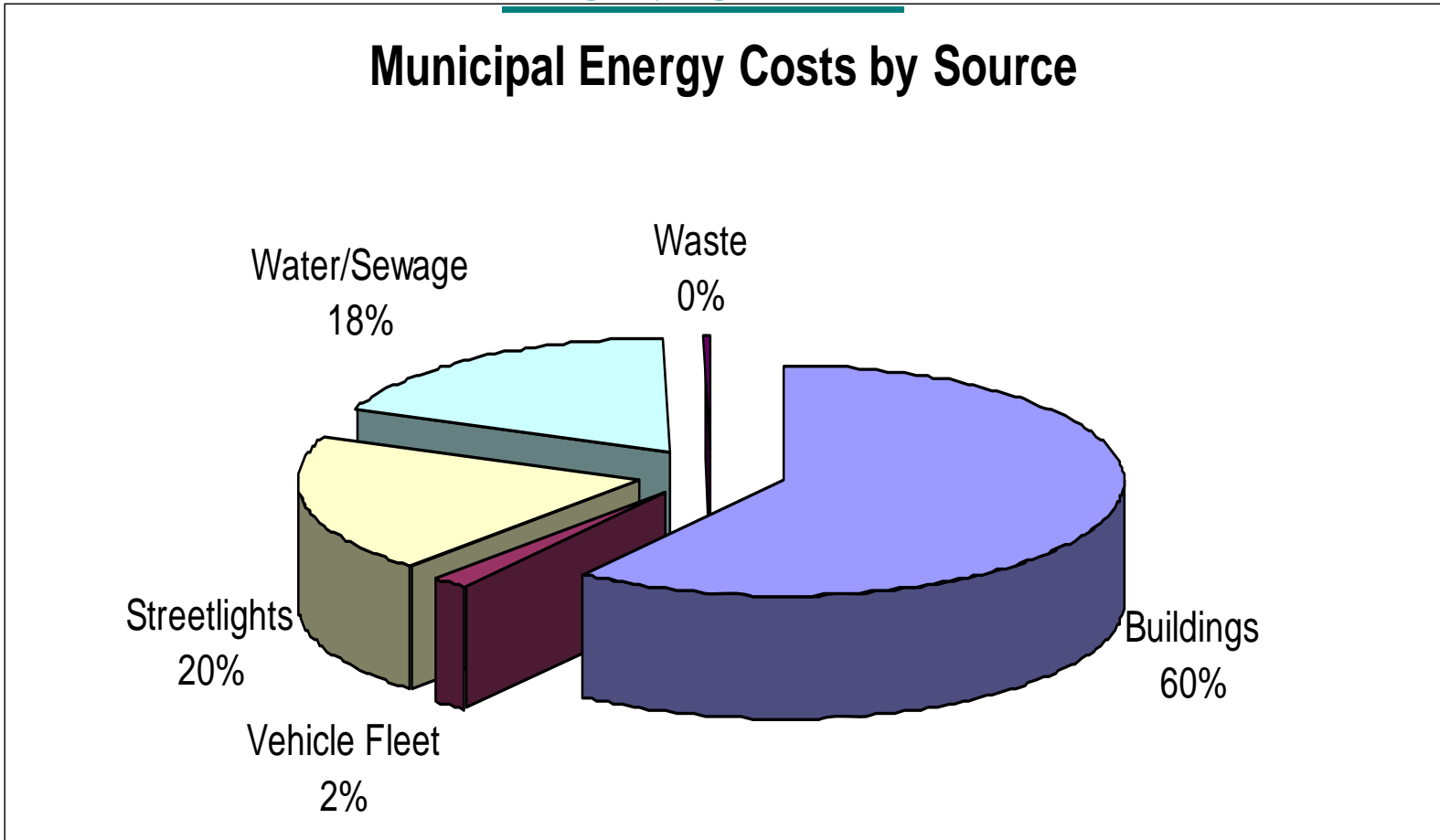
### Municipal Emissions by Sector



# PITTSBURGH'S INVENTORY RESULTS

## MUNICIPAL

### Municipal Energy Costs by Source



**2003 Municipal energy costs: \$17,748,000**

# PITTSBURGH'S INVENTORY RESULTS

## COMMUNITY

2003 Emissions: 6,731,335 tons eCO<sub>2</sub>

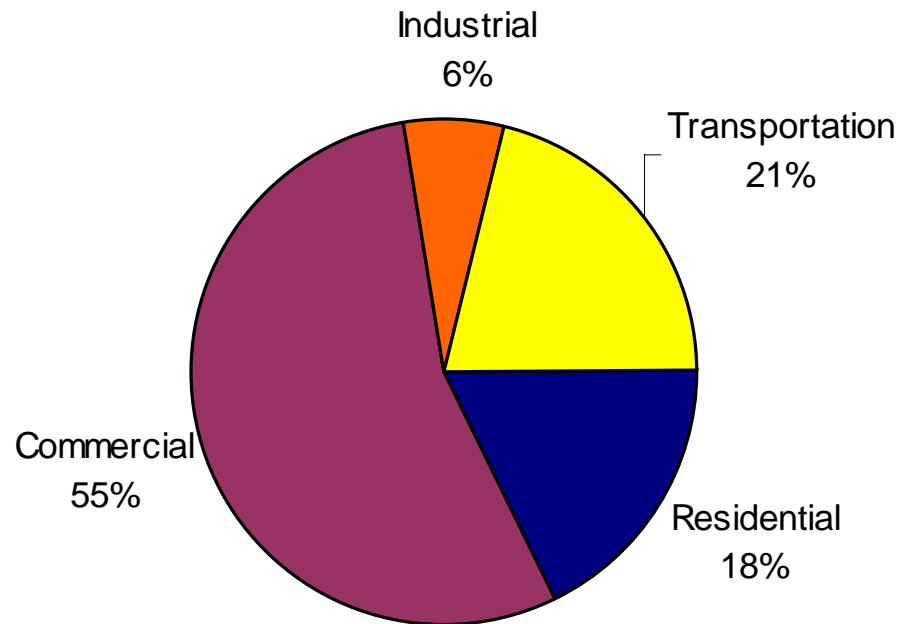
### Equivalencies

- 81,857 tanker trucks filled with gasoline
- 14,201,312 barrels of gasoline
- 11,882,440,416 kWh

# PITTSBURGH'S INVENTORY RESULTS

## COMMUNITY

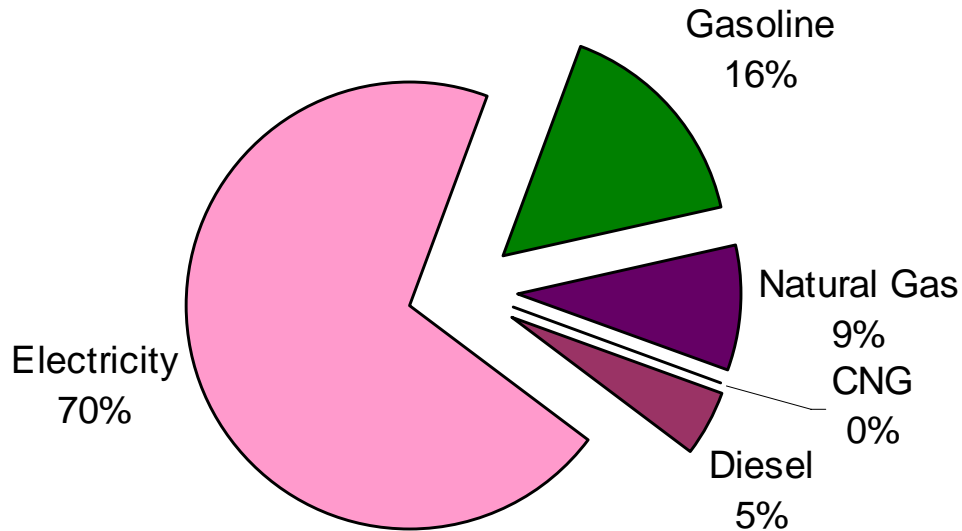
### Community eCO<sub>2</sub> Emissions Percentages by Sector



# PITTSBURGH'S INVENTORY RESULTS

## COMMUNITY

**Community eCO2 Emissions Percentages by Source**



# Summary

- Municipal emissions about 4% of total community
- Community measures implemented reduced eCO<sub>2</sub> by 95,601 tons (about 1.4%)
- Pittsburgh on right track with a multi-stakeholder model
- Additional groups to engage: School Dept., Southwestern PA RPC

**CLEAN**  
AIR



**COOL**  
PLANET

**A 501(c) 3 promoting and creating solutions for organizations to address climate change and energy;**

- communities
- campuses
- corporations and small businesses

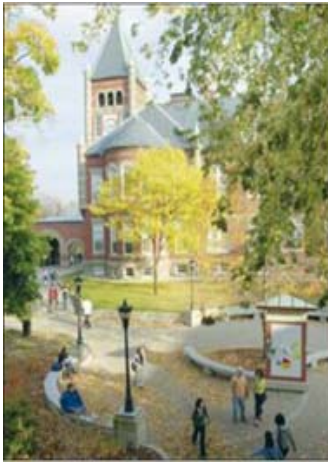
# We Build Networks



**Business Leaders**



**Science Center Educators**



**Campus Leaders**



**Community Leaders**



**Global Warming Solutions Conferences**



**Cross-border Knowledge Exchange:  
Stamford, Boston and NY officials visit  
Toronto – May 2005**



**Thompson Island Speaker Training**

# Methane Recovery Pumps



Annual Savings: \$55,000

Annual CO2 Savings: 140 tons



Annual Savings: \$4,000

Annual CO2 Savings: 15 tons

# Stamford CT

**In 2005 the city of Stamford earned a Climate Champion Award at our NYC Conference, following the release of their emissions inventory - saving the city more than \$1.1 million in annual energy costs.**

**Guaranteed Energy Performance Contract for Schools— Design 2001, Construction 2002-2005, cost \$6.5 million, Contractor Noresco, included lighting replacements, boiler replacements, digital energy management system, etc. annual savings \$700,000 and 5,170,000 kwh.**

**Since 1998, over 44 energy efficiency projects implemented with grants and rebates of \$1,760,178 and over 7 million kWh and 4,566 tons of carbon dioxide saved annually.**



- Corporate wide goal of reducing greenhouse gas emissions
- Three-dozen efficiency programs
- Stakeholder messaging

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Energy Efficiency at retail level – average investment \$60,000 per store

- T8 fixtures replaced metal halide
- More efficient cooling compressors
- freezer doors
- Remote energy monitoring software

Net saving \$3.7 million annually

Equivalent to \$150 million in grocery sales

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# Next Steps

- University Breakfast
- Neighborhood Visioning Sessions
- Implementation Plan
- Pilot Projects

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[www.cleanair-coolplanet.org](http://www.cleanair-coolplanet.org)

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