Rich Freeh, Mayor's Office of Sustainability
Implementing Benchmarking and Disclosure in Philadelphia
November 13th , 2013

GREENWORKS

PHILADELPHIA

Energy   PHILADELPHIA REDUCES ITS VULNERABILITY TO RISING ENERGY PRICES

Environment   PHILADELPHIA REDUCES ITS ENVIRONMENTAL FOOTPRINT

Equity   PHILADELPHIA DELIVERS MORE EQUITABLE ACCESS TO HEALTHY NEIGHBORHOODS

Economy   PHILADELPHIA CREATES A COMPETITIVE ADVANTAGE FROM SUSTAINABILITY

Engagement   PHILADELPHIANS UNITE TO BUILD A SUSTAINABLE FUTURE
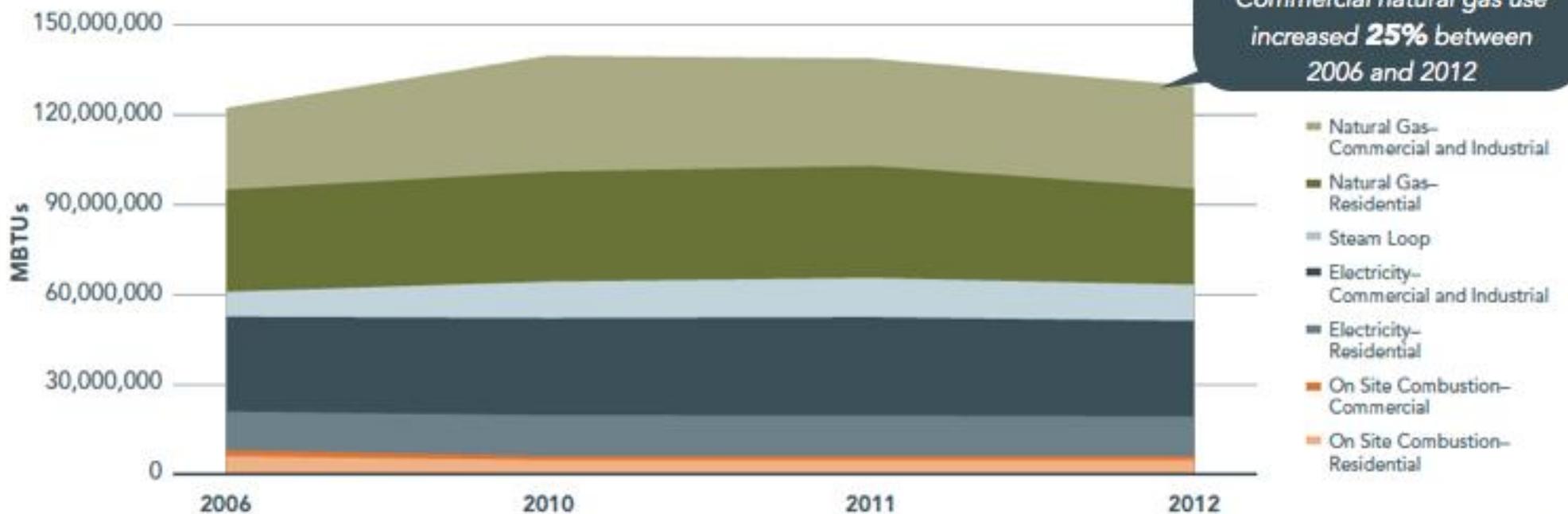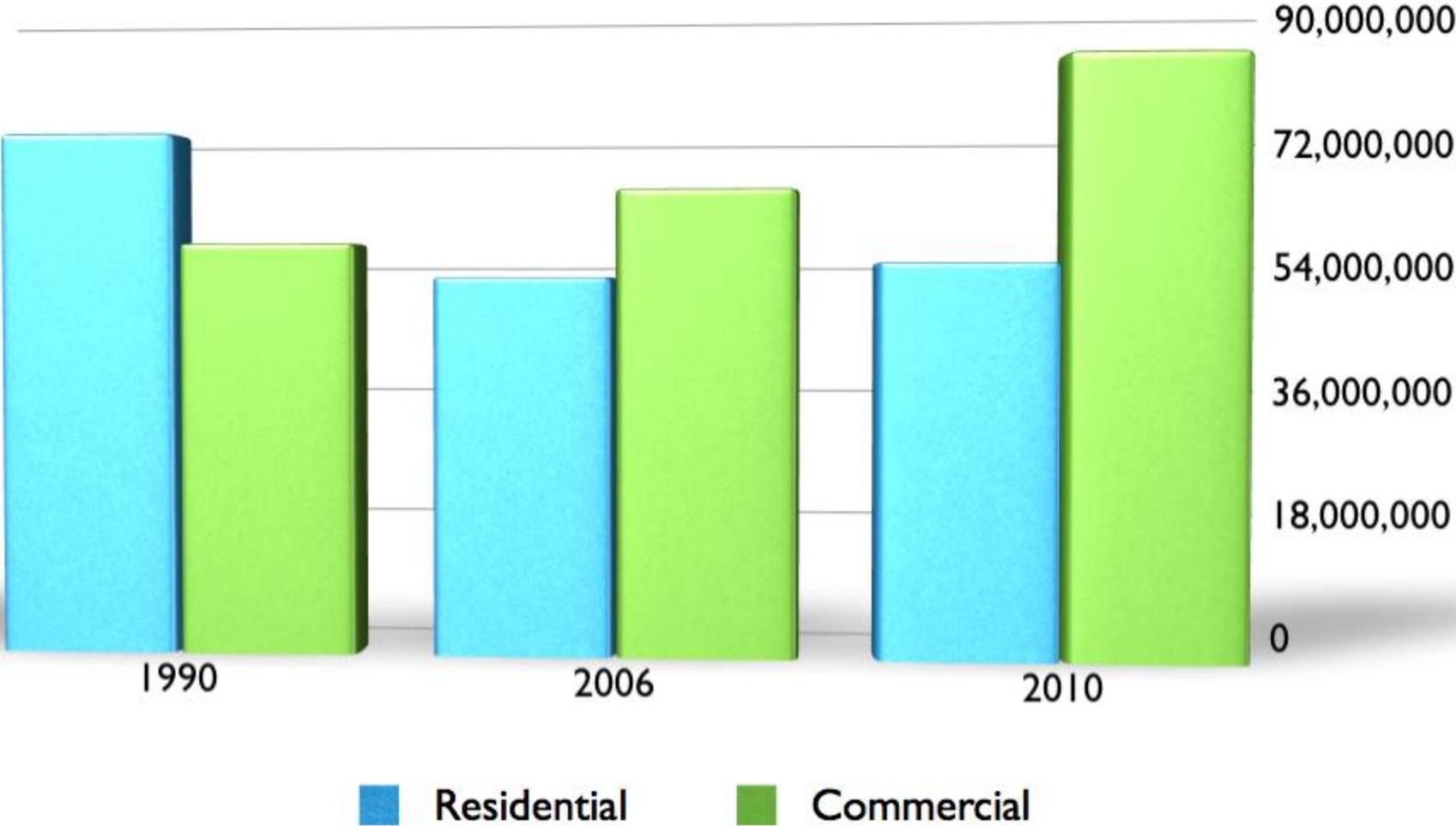
5 goals, 15 targets, over 150 initiatives

ENERGY

Citywide Building Energy Use

Commercial natural gas use increased **25%** between 2006 and 2012

Legend:
- Natural Gas–Commercial and Industrial
- Natural Gas–Residential
- Steam Loop
- Electricity–Commercial and Industrial
- Electricity–Residential
- On Site Combustion–Commercial
- On Site Combustion–Residential

MBTUs

150,000,000 — 120,000,000 — 90,000,000 — 60,000,000 — 30,000,000 — 0

2006   2010   2011   2012

Residential and Commercial Energy Trends in Philadelphia

No information = No action

Cities are looking at what drives demand and competition in other industries

- How can markets work more effectively?
- How can demand increase without public subsidies?
- How can policy help reduce energy costs for businesses and consumers and create jobs?

U.S. Benchmarking Policy Landscape

Legend:
- Commercial Policy Adopted
- Commercial Policy Interest
- Public Buildings Benchmarked
- Residential Disclosure Adopted

States and cities labeled: Seattle, Portland, WASHINGTON, San Francisco, Berkeley, San Jose, Santa Monica, CALIFORNIA, UTAH, Boulder, Denver, Santa Fe, Austin, ALASKA, HAWAII, SOUTH DAKOTA, MINNESOTA, Minneapolis, KANSAS, Chicago, MICHIGAN, OHIO, TENNESSEE, ALABAMA, Orlando, MAINE, VERMONT, Burlington, MASSACHUSETTS, Cambridge, Boston, NEW YORK, New York City, Philadelphia, Washington, DC, Montgomery Co, MD, Arlington, VA
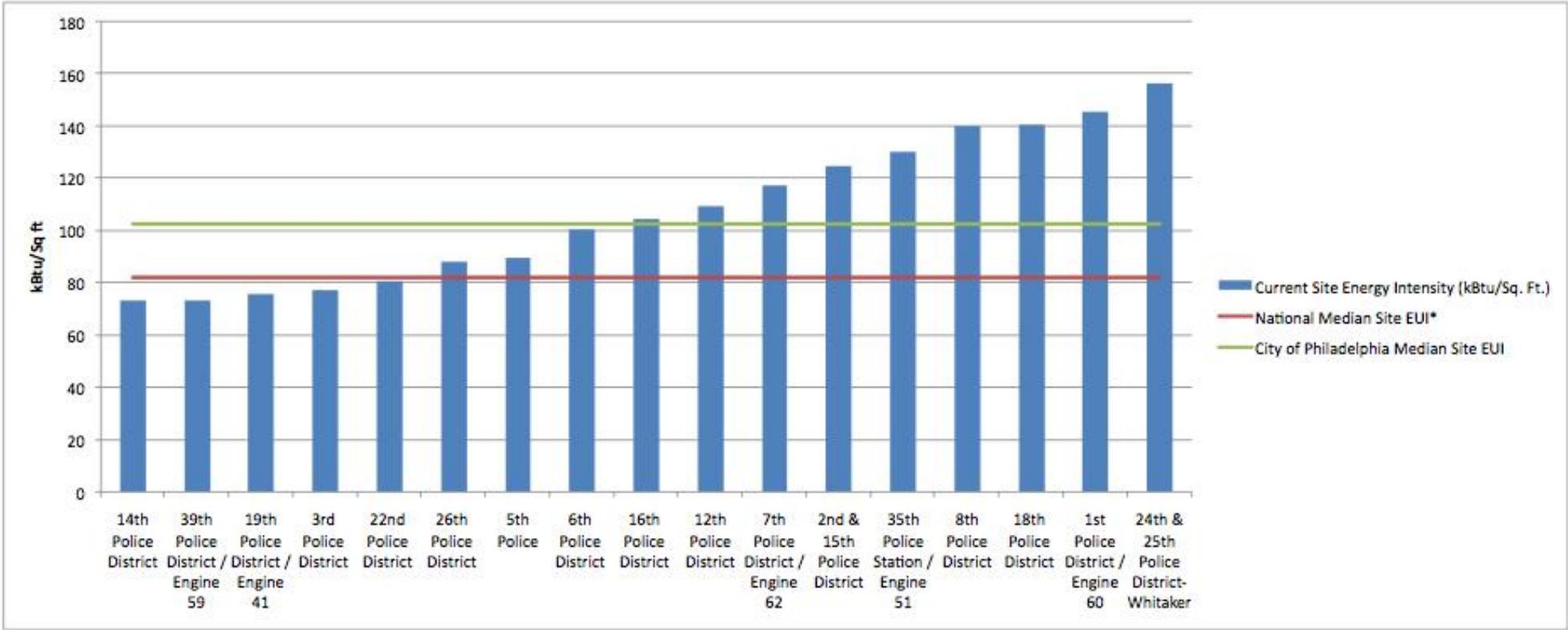
Over 600 facilities with a diverse set of needs:

Top 10 energy users make up 44% of General Fund's energy cost.

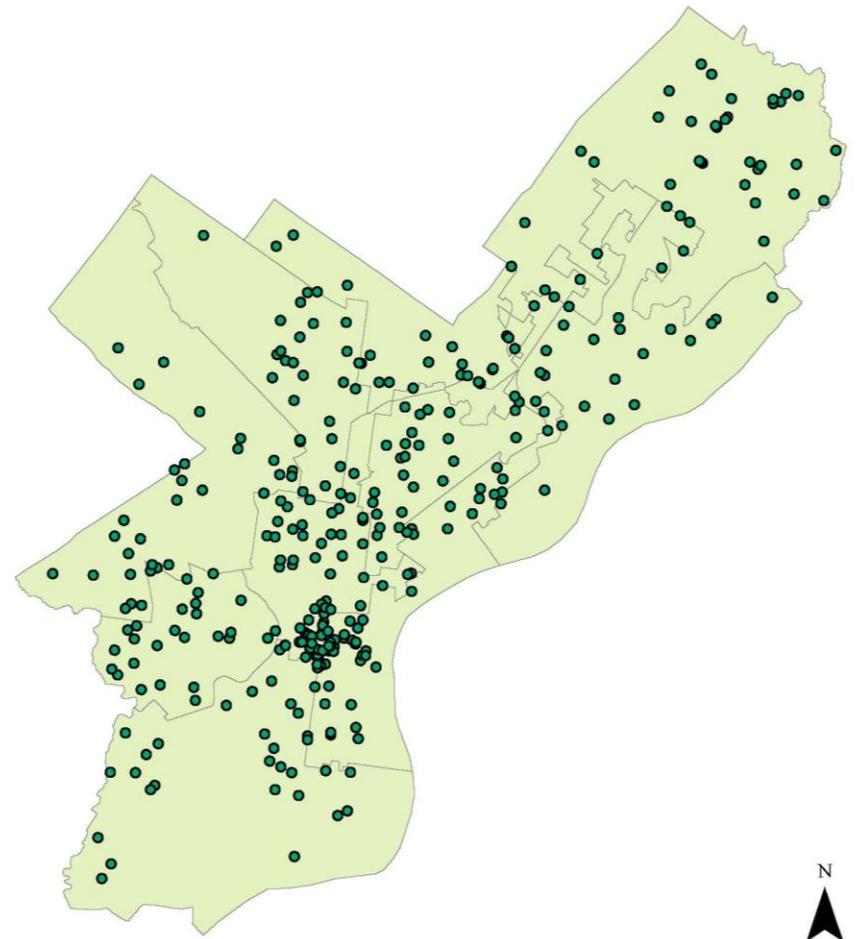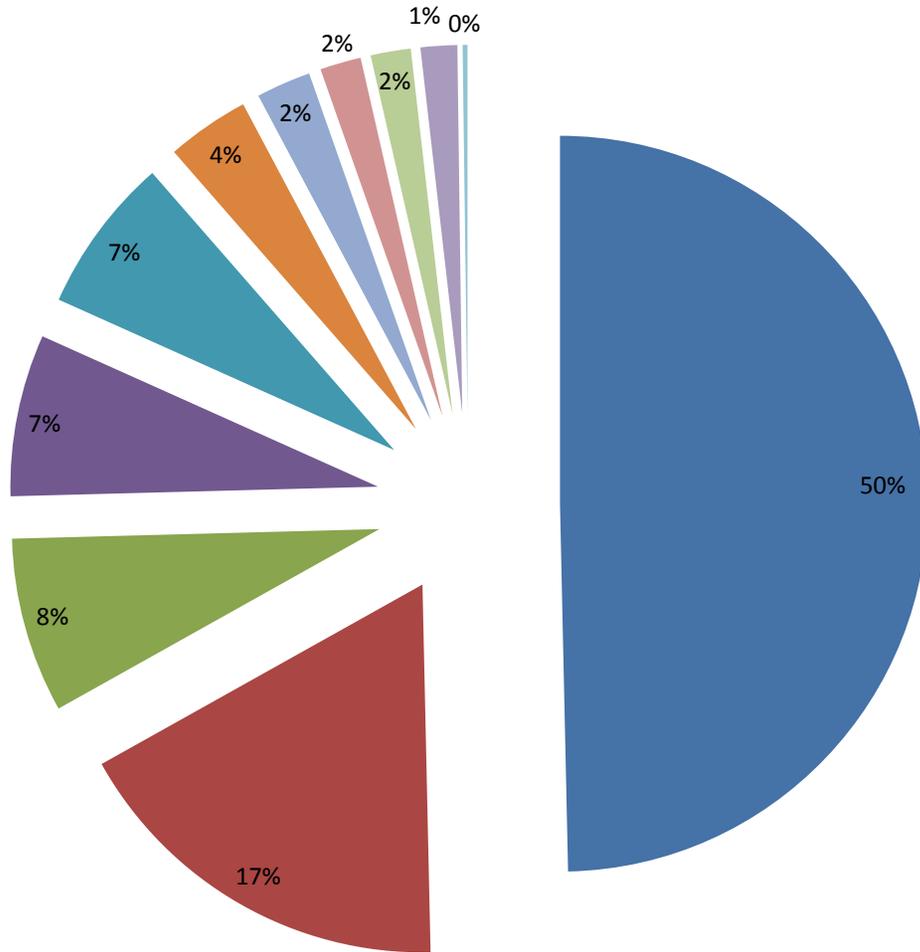Top 50 energy users make up 77% of General Fund's energy cost.

Philadelphia Police Buildings Benchmarking Results

Benchmarked Buildings by Type and Location

- Office
- Distribution/Warehouse
- Mixed/Other
- Retail/Shopping
- Hotel
- Education
- Parking
- Senior Care
- Manufacturing
- Medical
- Worship Facility

50%

17%

8%

7%

7%

4%

2%

2%

2%

1%

0%

N

LOCAL PARTNERS

BOMA Philadelphia

eebHUB Energy Efficient Buildings Hub

U.S. GREEN BUILDING COUNCIL CHAPTER
DELAWARE VALLEY GREEN BUILDING COUNCIL

UTILITY PARTNERS

PECO. An Exelon Company

PGW Safe. Reliable. Service.

Philadelphia PWD Water Department

VEOLIA

NATIONAL PARTNERS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

DEPARTMENT OF ENERGY UNITED STATES OF AMERICA

IMT Institute for Market Transformation

City of Philadelphia Benchmarking Website

www.phila.gov/benchmarking

Key Dates for Energy Benchmarking and Disclosure

November 25th, 2013: First Year Reporting Deadline

December 2013: First Citywide Buildings Report Release

June 30th, 2014: Second Year Reporting Deadline

Fall 2014: Second Citywide Building Report, Public Disclosure

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