



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

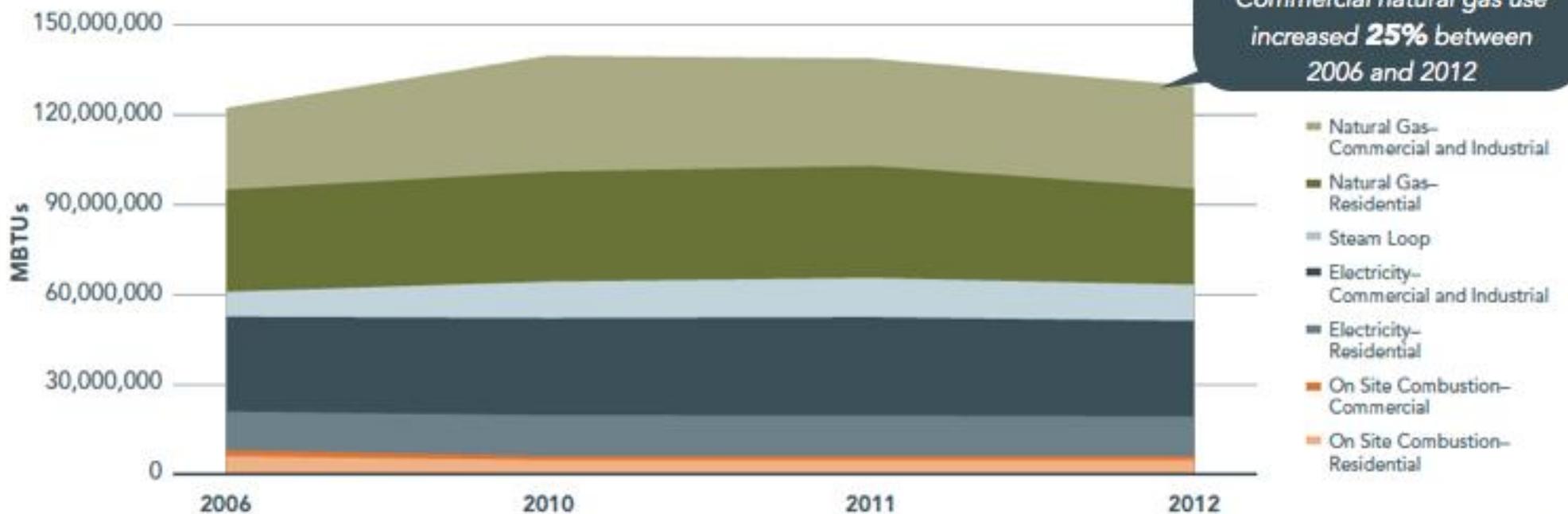


ENERGY

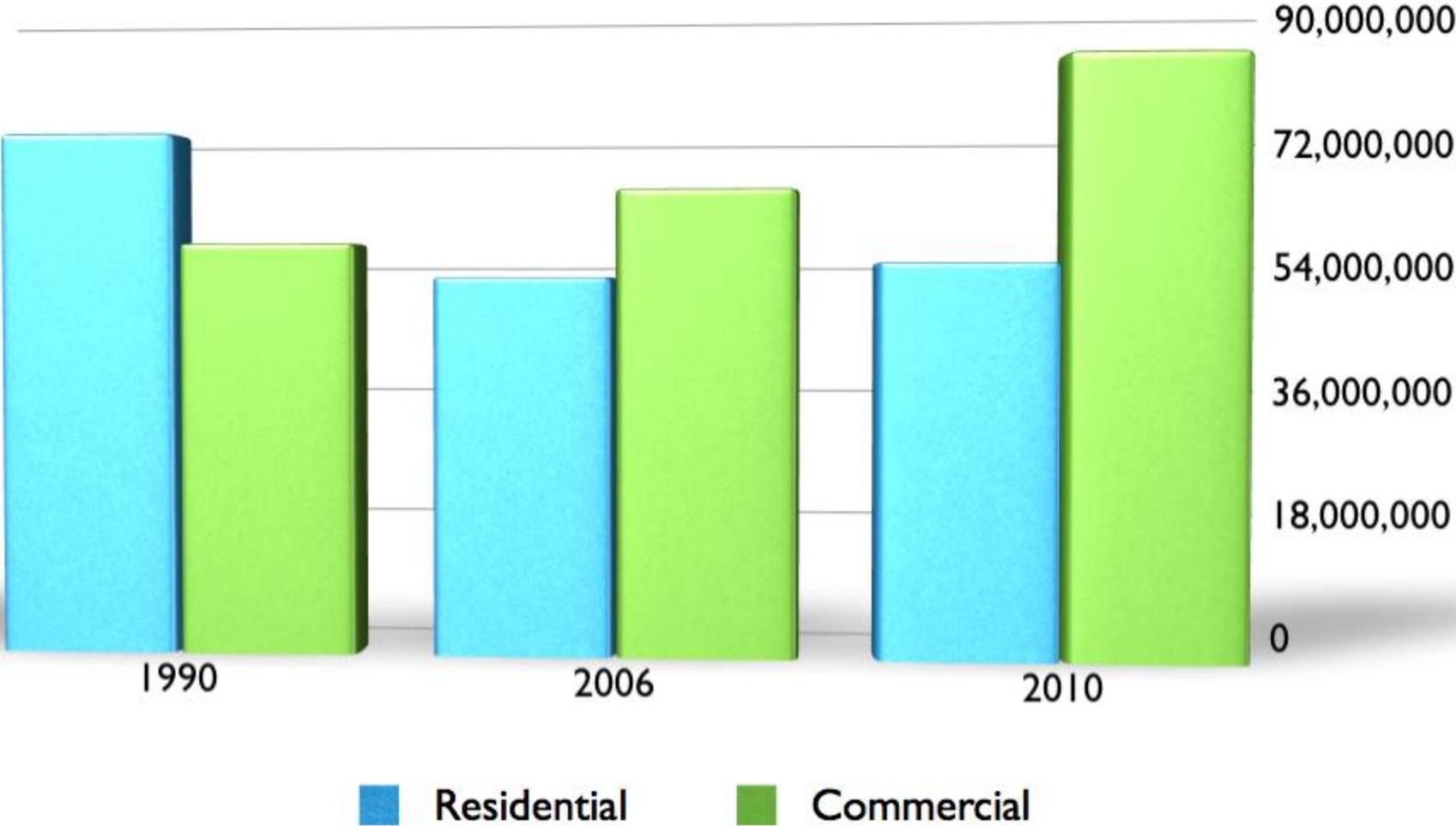
GOAL: PHILADELPHIA REDUCES ITS VULNERABILITY TO RISING ENERGY PRICES



Citywide Building Energy Use



Residential and Commercial Energy Trends in Philadelphia



	Calories	Platters
Hot Cakes	450	Hot Cakes
Hot Cakes with Egg	600	Hot Cakes
Big Breakfast	580	Big Breakfast
Deluxe Breakfast	660	Deluxe Breakfast
Breakfast	560	Breakfast
	570	

Nutrition Facts

Serving Size 1 cup (228g)
Servings per Container 2

Amount Per Serving		
Calories	280	Calories from Fat 120
		% Daily Value*
Total Fat	13g	20%
Saturated Fat	5g	25%
Trans Fat	2g	
Cholesterol	2mg	10%
Sodium	660mg	28%
Total Carbohydrate	31g	10%
Dietary Fiber	3g	0%
Sugars	5g	
Protein	5g	
Vitamin A	4%	Vitamin C 2%
Calcium	15%	Iron 4%

*Percent Daily Values are based on a 2,000-calorie diet. Your daily values may be higher or lower depending on your calorie needs.

	Calories:	2,000	2,500
Total Fat	Less than	65g	80g
Sat Fat	Less than	20g	25g
Cholesterol	Less than	300mg	300mg
Sodium	Less than	2,400mg	2,400mg
Total Carbohydrate		300g	375g
Fiber		25g	30g

Calories per gram:
Fat 9 • Carbohydrate 4 • Protein 4

U.S. Government Federal law prohibits removal of this label before consumer purchase.

ENERGYGUIDE

Refrigerator-Freezer
 • Automatic Defrost
 • Side-Mounted Freezer
 • Through-the-Door Ice

XYZ Corporation
Model ABC-L
Capacity: 23 Cubic Feet

Estimated Yearly Operating Cost

\$67

Cost Range of Similar Models: \$57 - \$74

630 kWh
Estimated Yearly Electricity Use

Your cost will depend on your utility rates and use.

- Cost range based only on models of similar capacity with automatic defrost, side-mounted freezer, and through-the-door ice.
- Estimated operating cost based on a 2007 national average electricity cost of 10.65 cents per kWh.
- For more information, visit www.fcc.gov/appliances.

EPA Fuel Economy Estimates

CITY MPG	Estimated Annual Fuel Cost	HIGHWAY MPG
19	\$1,957 based on 15,000 miles at \$3.00 per gallon	31
Expected range for most drivers: 15 to 23 MPG	Combined Fuel Economy This Vehicle: 23	Expected range for most drivers: 25 to 37 MPG
	10 ————— 33 All Subcompacts	Your actual mileage will vary depending on how you drive and maintain your vehicle.

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?



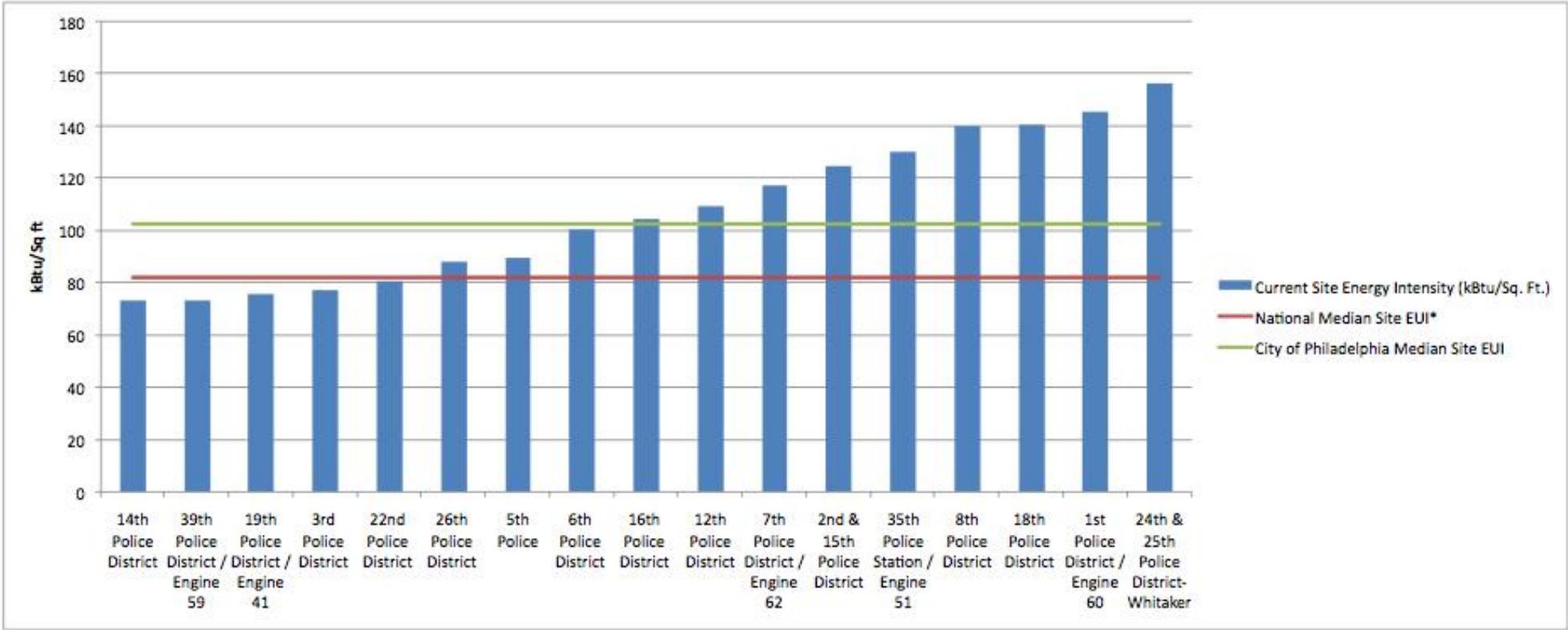
Over 600 facilities with a diverse set of needs:

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.

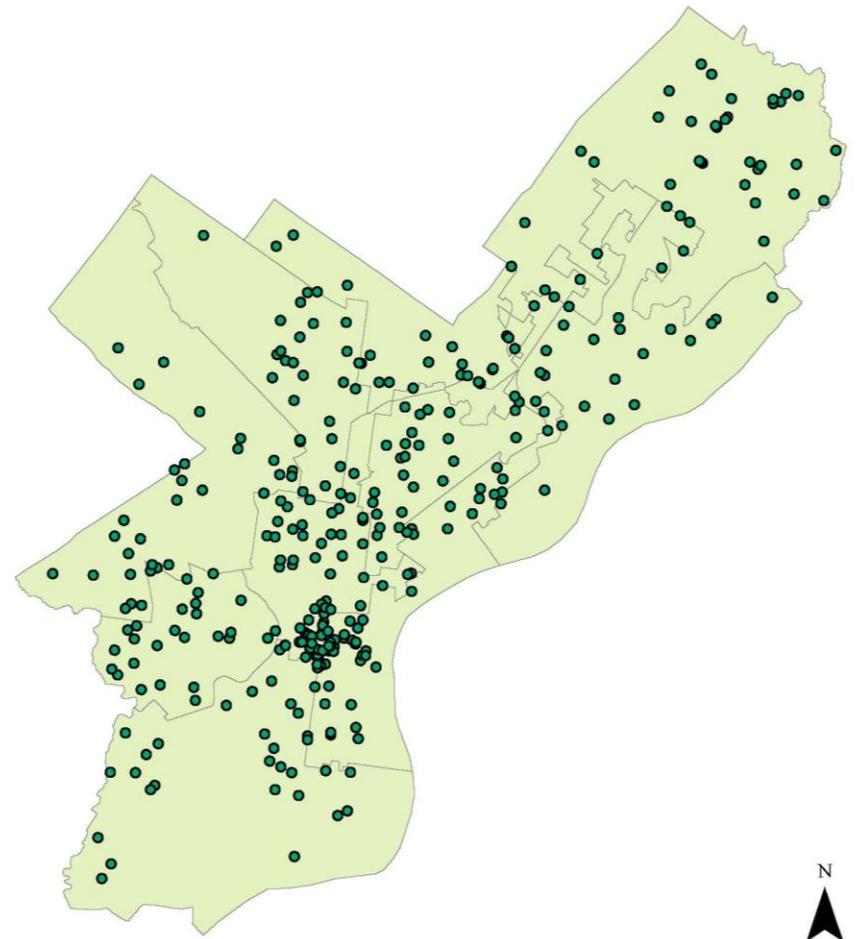
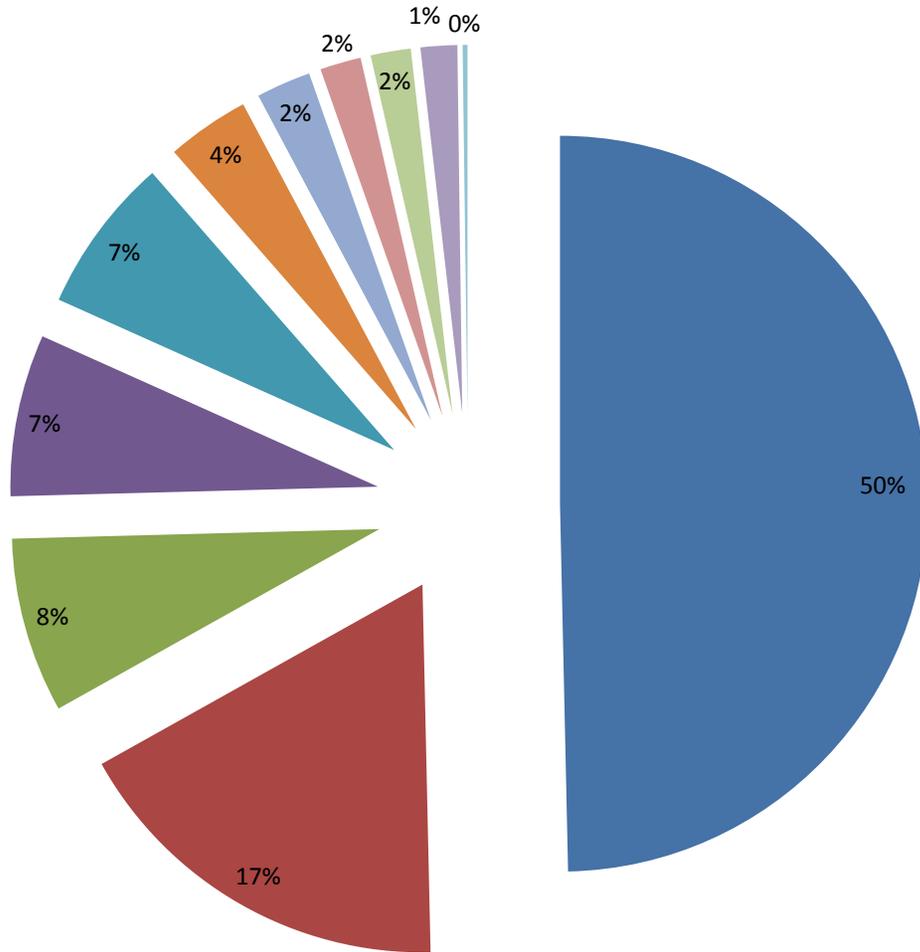


Philadelphia Police Buildings Benchmarking Results



Benchmarked Buildings by Type and Location

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



LOCAL PARTNERS



DELAWARE VALLEY
GREEN BUILDING
COUNCIL

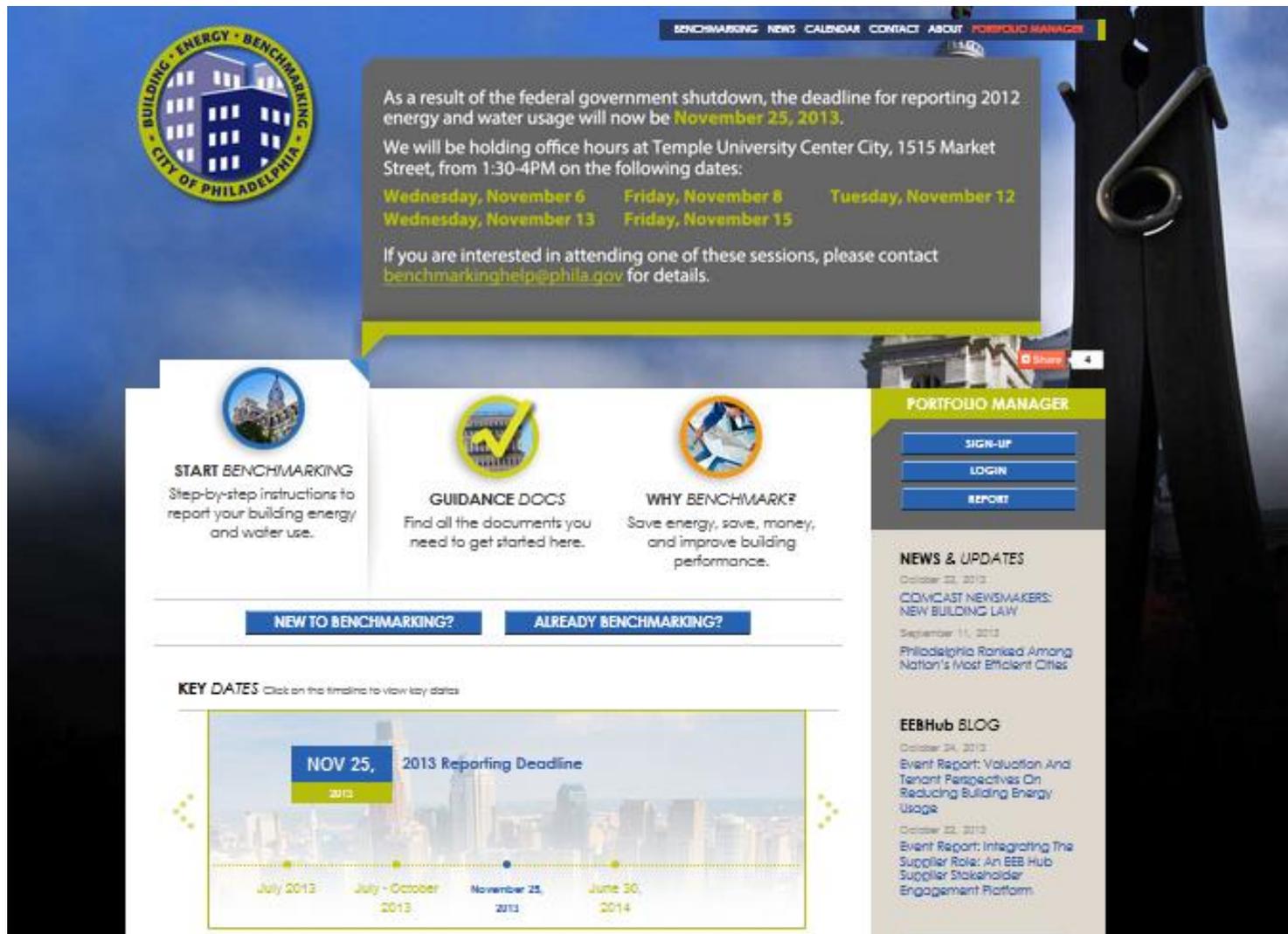
UTILITY PARTNERS



NATIONAL PARTNERS



City of Philadelphia Benchmarking Website



The screenshot shows the City of Philadelphia Benchmarking Website. At the top left is the logo for Building Energy Benchmarking City of Philadelphia. A navigation bar at the top right includes links for BENCHMARKING, NEWS, CALENDAR, CONTACT, ABOUT, and PORTFOLIO MANAGER. A large grey announcement box states that due to the federal government shutdown, the 2012 energy and water usage reporting deadline is now November 25, 2013. It lists office hours at Temple University Center City from 1:30-4PM on several dates in November. A 'Share' button is visible next to the announcement. Below the announcement are three main sections: 'START BENCHMARKING' with step-by-step instructions, 'GUIDANCE DOCS' for finding necessary documents, and 'WHY BENCHMARK?' highlighting energy and cost savings. A 'PORTFOLIO MANAGER' sidebar on the right offers 'SIGN-UP', 'LOGIN', and 'REPORT' buttons. Below these are 'NEWS & UPDATES' and 'EEBHub BLOG' sections with recent news items and event reports. At the bottom, a 'KEY DATES' section features a timeline with a prominent 'NOV 25, 2013' reporting deadline.

BENCHMARKING NEWS CALENDAR CONTACT ABOUT PORTFOLIO MANAGER

As a result of the federal government shutdown, the deadline for reporting 2012 energy and water usage will now be **November 25, 2013**. We will be holding office hours at Temple University Center City, 1515 Market Street, from 1:30-4PM on the following dates:

Wednesday, November 6 **Friday, November 8** **Tuesday, November 12**
Wednesday, November 13 **Friday, November 15**

If you are interested in attending one of these sessions, please contact benchmarkinghelp@phila.gov for details.

START BENCHMARKING
Step-by-step instructions to report your building energy and water use.

GUIDANCE DOCS
Find all the documents you need to get started here.

WHY BENCHMARK?
Save energy, save money, and improve building performance.

PORTFOLIO MANAGER

SIGN-UP
LOGIN
REPORT

NEWS & UPDATES

October 23, 2013
COVCAST NEWSMAKERS: NEW BUILDING LAW

September 11, 2013
Philadelphia Ranked Among Nation's Most Efficient Cities

EEBHub BLOG

October 24, 2013
Event Report: Valuation And Tenant Perspectives On Reducing Building Energy Usage

October 22, 2013
Event Report: Integrating The Supplier Role: An EEB Hub Supplier Stakeholder Engagement Platform

KEY DATES Click on the timeline to view key dates

NOV 25, 2013 2013 Reporting Deadline

July 2013 July - October 2013 November 25, 2013 June 30, 2014

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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