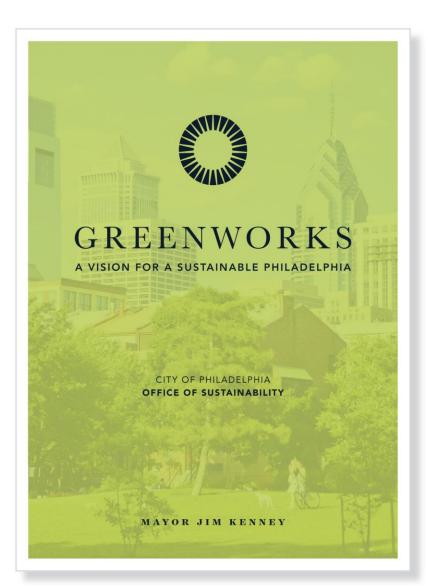
#GreenworksPHL

GREENWORKS a vision for a sustainable philadelphia

Energy Benchmarking and Citywide Energy Planning ACEEE Symposium on Market Transformation

April 3, 2017









Greenworks Visions At a Glance





@GreenworksPhila

VISION 03

CLEAN AND EFFICIENT ENERGY

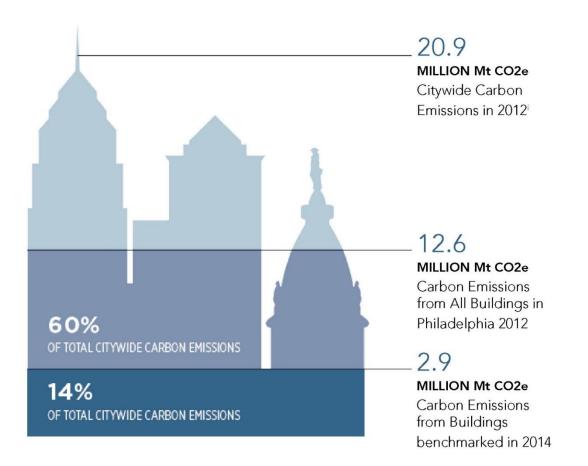


All Philadelphians efficiently use clean energy that they can afford

CLEAN AND EFFICIENT ENERGY



Carbon Emissions of Philadelphia's Benchmarked Buildings



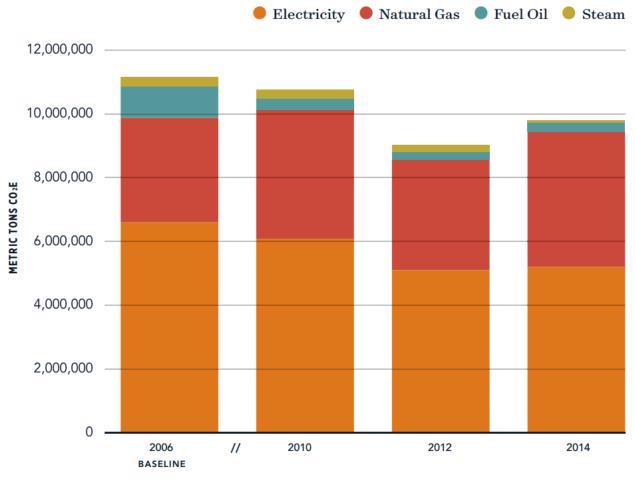


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07. CARBON POLLUTION FROM PHILADELPHIA BUILDINGS



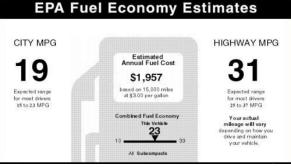




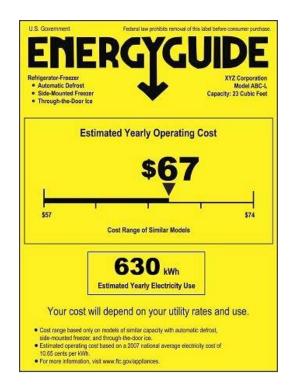








Amount Per Servin	g	Colorise (Fet #20
Calories 280	Calories from Fat 120		
		% Da	aily Value*
Total Fat 13g			209
Saturated Fat 5g			259
Trans Fat 2g			4.000
Cholesterol 2mg		10%	
Sodium 660mg		28%	
Total Carbohydrate	- 31g		10%
Dietary Fiber 3g			0%
Sugars 5g Protein 5g			
Vitamin A 4%	•	Vitamin C 2%	
Calcium 15%	•	Iron 4%	
Percent Daily Values are be be higher or lower dependi			ily values may
	Calories:	2,000	2,500
Total Fat	Less than	65g	80g
Sat Fat	Less than	20g	25g
CALC FOR		200	200
Cholesterol	Less than	300mg	300mg
and a second	Less than Less than	2,400mg	2,400mg
Cholesterol			



Benchmarking creates standardized metrics to measure and compare

energy performance between similar buildings

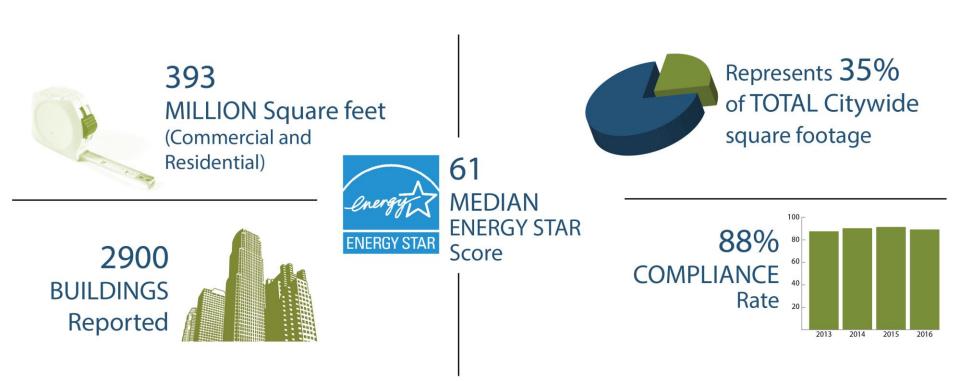


 (\mathbf{O}) @GreenworksPhila



CLEAN AND EFFICIENT ENERGY





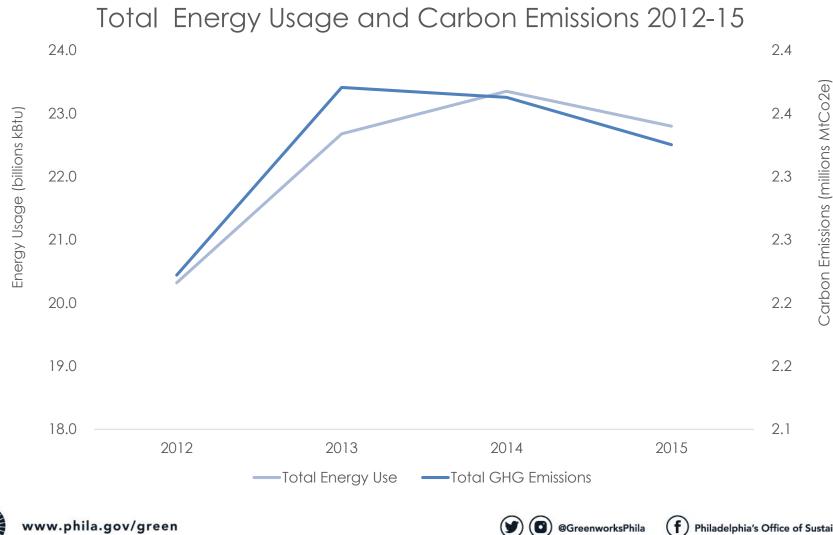






CLEAN AND EFFICIENT ENERGY



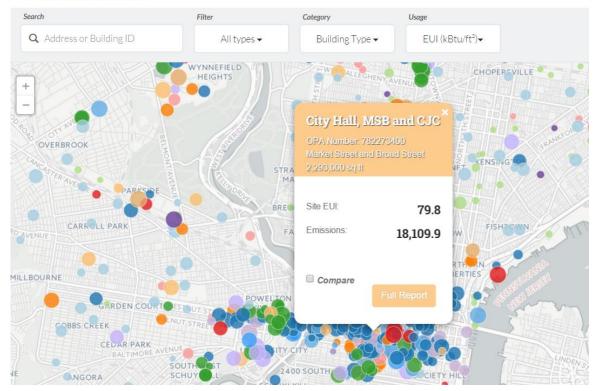


Philadelphia's Office of Sustainability



THE CITY OF PHILADELPHIA

MAYOR'S OFFICE OF SUSTAINABILITY



http://visualization.phillybuildingbenchmarking.com

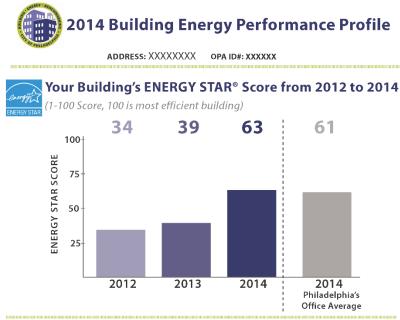






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Your 2014 Ranking for Similar Buildings in Philadelphia Ranking is based on self-reported data provided by building owners and operators.

Your Building Ranks #102 out of 168 similar Office buildings

WWW.PHILA.GOV/BENCHMARKING • ONE PARKWAY BUILDING • 1515 ARCH ST, 13TH FLOOR • PHILADELPHIA • PA •

YOUR BUILDING COULD SAVE

\$63,191* BY REDUCING ITS ANNUAL ENERGY USAGE BY 5%

See next page for more details on energy efficiency opportunities to save money & energy!

*Savings are based on your 2014 building's electricity and natural gas usage and utility cost data is based EIA's estimated regional cost of energy for 2014.

19102











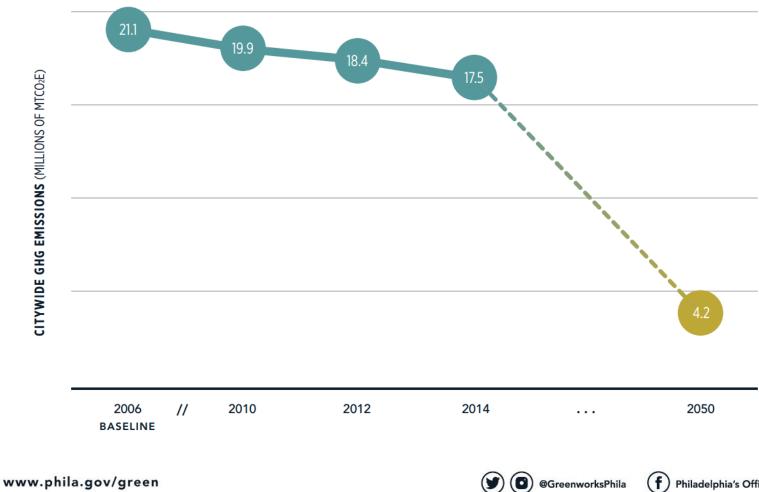








11. REDUCING GREENHOUSE GAS EMISSIONS 80 PERCENT BY 2050



Philadelphia's Office of Sustainability



Citywide Energy Vision

1) Greenhouse Gas Emissions Scenario Tool

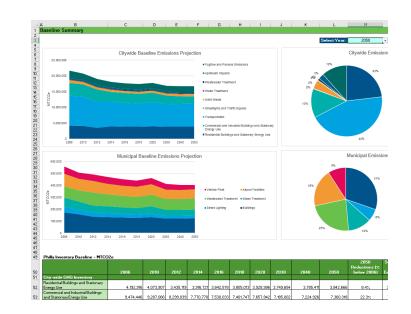
Excel-based model allowing for future expansion and tracking of Philadelphia greenhouse gas emissions.

2) Municipal Energy Master Plan

Building-level evaluation of potential energy and carbon savings options for city-owned facilities.

3) Citywide Energy Vision

Exploration and prioritization of citywide strategies to improve energy efficiency in the built environment, create jobs, and meet city's 80 by 50 carbon commitment.









THE CITY OF PHILADELPHIA OFFICE OF ______ SUSTAINABILITY

G R E E N W O R K S PHILADELPHIA

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