

THE CITY OF PHILADELPHIA

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MAYOR'S OFFICE OF  
SUSTAINABILITY



GREENWORKS

PHILADELPHIA

MANAGING ENERGY TO SAVE MONEY

*ADAM AGALLOCO, ENERGY CONSERVATION COORDINATOR*

# 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*



DEPARTMENT OF PUBLIC PROPERTY

PHILADELPHIA CITY PLANNING COMMISSION

STREETS DEPARTMENT

PROCUREMENT DEPARTMENT

PHILADELPHIA INTERNATIONAL AIRPORT

PHILADELPHIA CITY COUNCIL

LICENSES & INSPECTIONS

DEPARTMENT OF PUBLIC HEALTH

PHILADELPHIA WATER DEPARTMENT

HUMAN RESOURCES

REDEVELOPMENT AUTHORITY

COMMERCE DEPARTMENT

RECORDS DEPARTMENT

OFFICE OF CITY BUDGET

FLEET MANAGEMENT

# MAYOR'S OFFICE OF SUSTAINABILITY

SEPTA

OFFICE OF HOUSING & COMMUNITY DEVELOPMENT

ZONING CODE COMMISSION

CITY LAW DEPARTMENT

DIVISION OF TECHNOLOGY

DEPARTMENT OF PARKS AND RECREATION

MAYOR'S OFFICE OF TRANSPORTATION AND UTILITIES

AIR MANAGEMENT SERVICES

PHILADELPHIA HOUSING DEVELOPMENT CORPORATION

PHILADELPHIA GAS WORKS

PHILADELPHIA SCHOOL DISTRICT

PHILADELPHIA HOUSING AUTHORITY



# GREENWORKS

GOALS, TARGETS, INITIATIVES



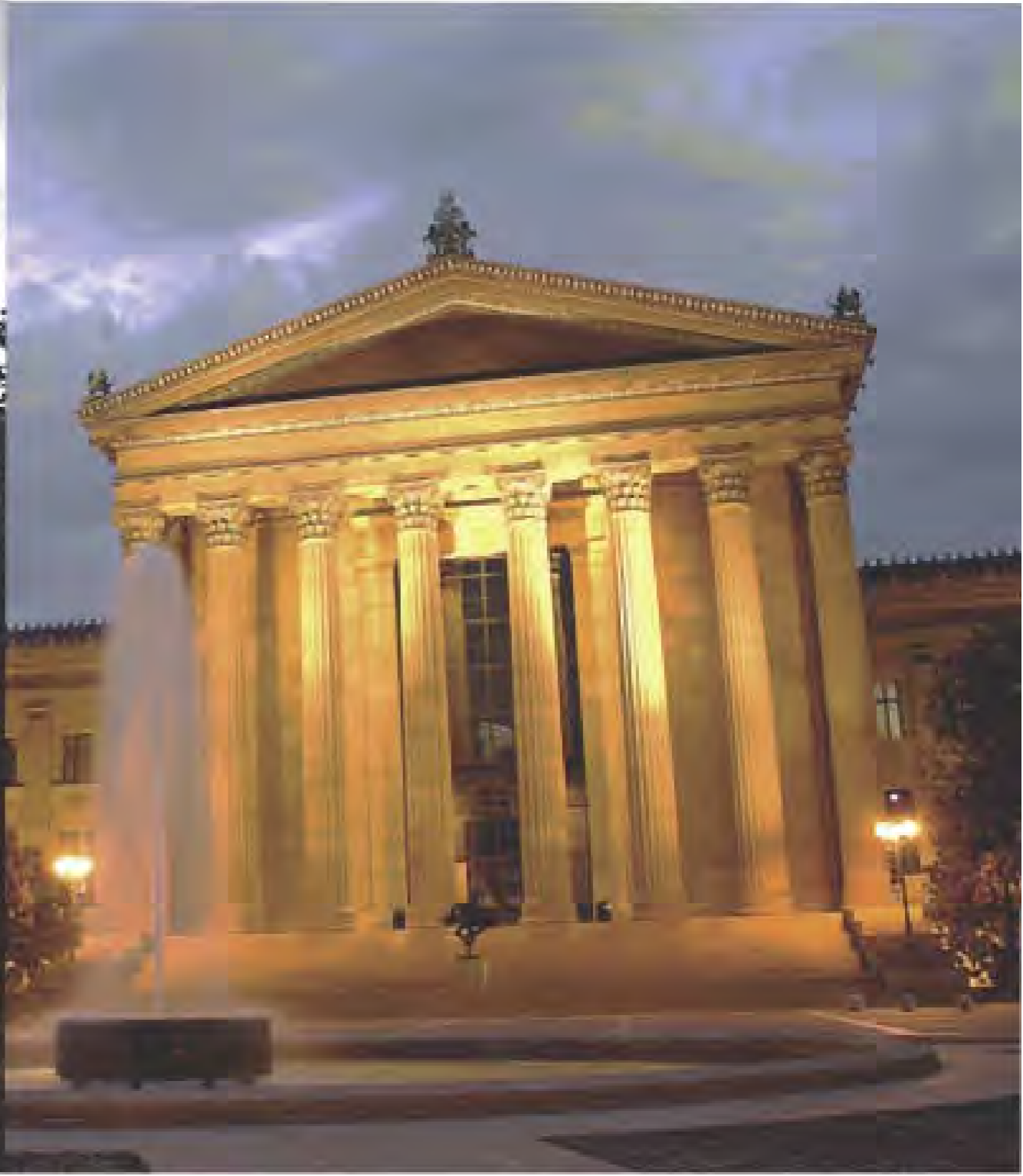
## PHILADELPHIA REDUCES ITS VULNERABILITY TO RISING ENERGY PRICES

- LOWER CITY GOVERNMENT ENERGY CONSUMPTION BY 30%
- Reduce Citywide Building Energy Consumption by 10%
- Retrofit 15% of Housing Stock with Insulation, Air Sealing and Cool Roofs
- Purchase and Generate 20% of Electricity Used in Philadelphia from Alternative Sources





energy  
solutions



# GREENWORKS

GOALS, TARGETS, INITIATIVES



## OVERVIEW OF MUNICIPAL ENERGY MANAGEMENT

- What counts as “energy use?”
- What does 30% mean?
- The City’s approach to deregulation
- How much does the City use and what does it cost?



# GREENWORKS

GOALS, TARGETS, INITIATIVES



## ENERGY REDUCTION PROGRESS TO DATE

- LEED legislation for city projects
- Retrofit 85,000 traffic lights using LED's
- Established municipal energy efficiency fund
- Investment Grade Audit of city quadplex underway



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GOALS, TARGETS, INITIATIVES



## CURRENT ENERGY REDUCTION STRATEGIES

- Communicate energy use information to departments
- Analyze usage data and benchmark buildings
- Develop departmental energy plans, establish goals
- Focus on behavior change





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GOALS, TARGETS, INITIATIVES



## CURRENT ENERGY MANAGEMENT PROJECTS

- Energy Management Database
- PWD Solar Installation
- Demand Response



# PWD SOUTHEAST WATER TREATMENT FACILITY SOLAR INSTALLATION - 250 KW



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GOALS, TARGETS, INITIATIVES



## FUTURE ENERGY INITIATIVES

- Energy Conservation Targets
- Greening of Maintenance Contracts
- Procurement and Green Information Technology
- Capital Projects and Operational Decisions



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