

# Utilizing Intelligent Efficiency to Achieve Environmental Goals

ACEEE Intelligent Efficiency Conference  
Austin, Texas

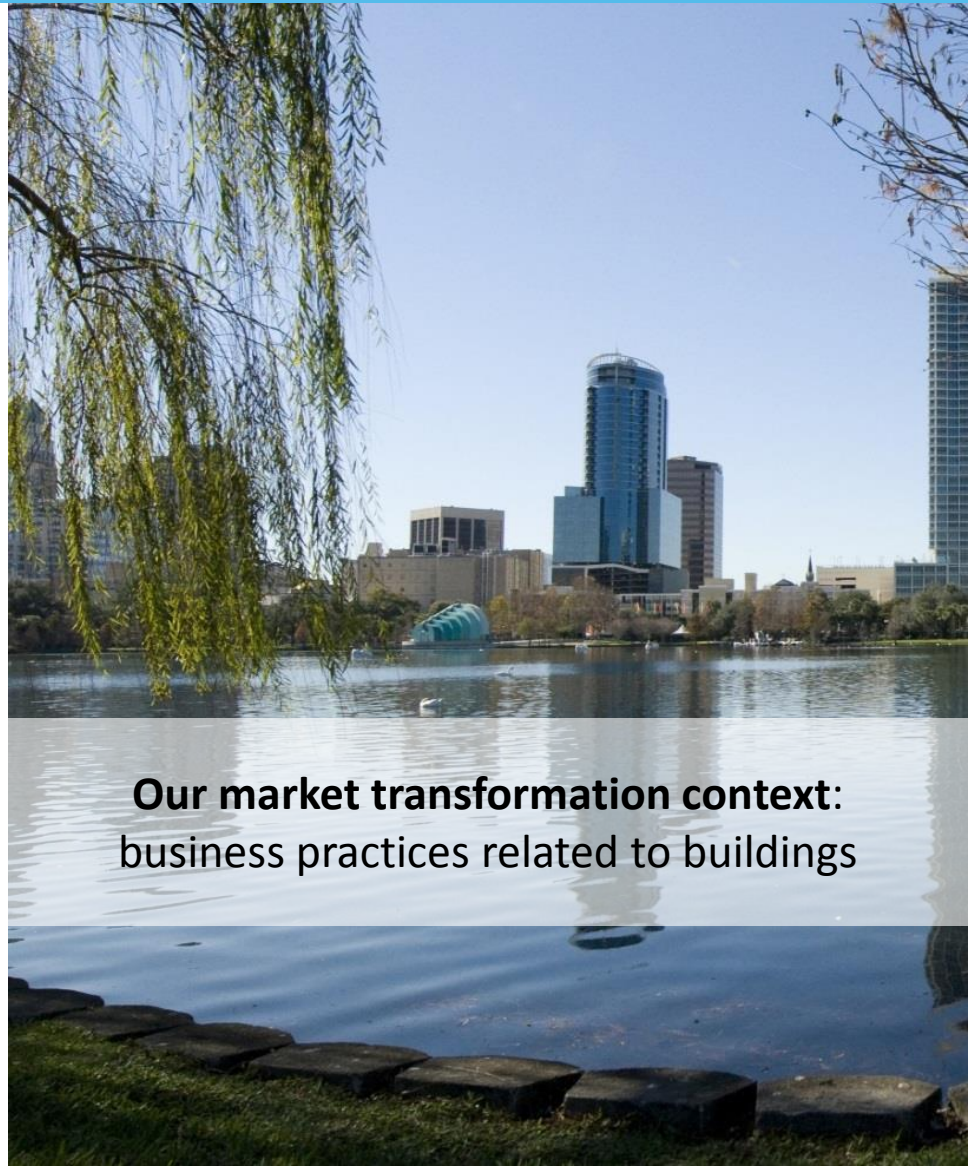
06 December 2016



# The Institute for Market Transformation

## Our Vision

A future in which the social, environmental, and economic value of energy efficiency is realized and all buildings are highly efficient.



**Our market transformation context:**  
business practices related to buildings

# Core service areas

## Building Energy Performance Policy

- Energy efficiency policy
- Utility data access
- Policy advocacy and consulting

## Finance

- Single-family
- Multi-family
- Commercial
- Green appraisals and lending practices

## Energy Codes

- Code development
- Code adoption
- Code compliance

## Commercial Real Estate Engagement

- Private-sector engagement
- Green leasing; Green Lease Leaders

# City Energy Project

An ambitious national initiative to improve the energy efficiency of existing buildings in 20 major American cities.

## Funders

**Bloomberg  
Philanthropies**

THE  
**KRESGE**  
FOUNDATION

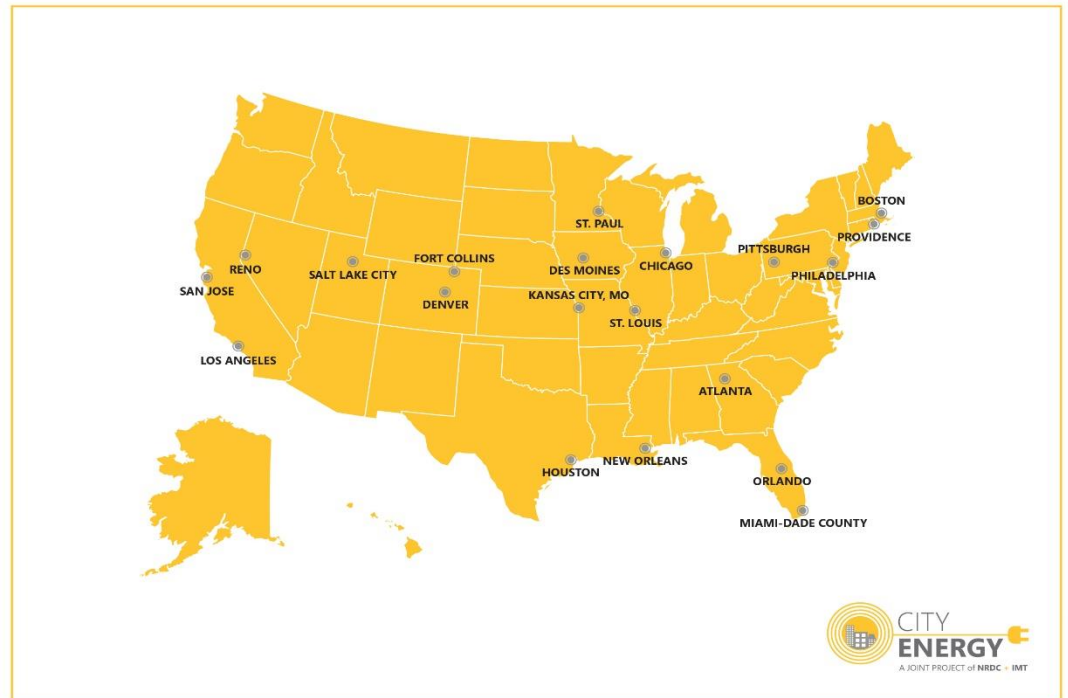
**IDD**

DORIS DUKE  
CHARITABLE FOUNDATION

## Core Staff

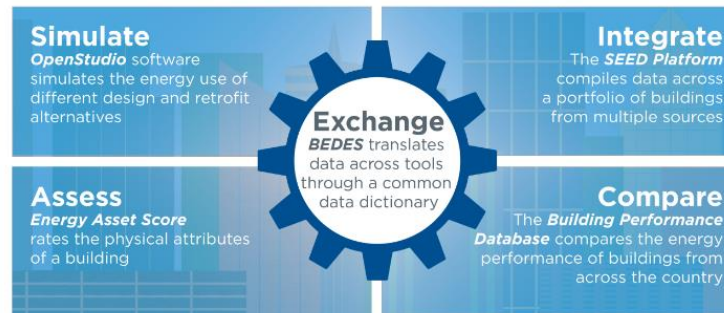


## 20 Cities



# DOE Analysis Tools

## Analysis Tools Ecosystem



Home » Commercial Buildings » Analysis Tools » Standard Energy Efficiency Data Platform » SEED Platform Collaborative

### SEED PLATFORM COLLABORATIVE

- Buildings Home
- About
- Emerging Technologies
- Residential Buildings
- Commercial Buildings
- Analysis Tools
  - Standard Energy Efficiency Data Platform
  - Building Performance Database
  - Energy Asset Score
  - OpenStudio
  - Technology Performance Exchange
  - BuildingSync
  - Building Energy Data Exchange Specification

This map depicts the Inaugural Partners in the SEED Platform Collaborative.

U.S. DEPARTMENT OF ENERGY

RESOURCES

- SEED Platform Collaborative Launch Announcement
- SEED Source Code
- FAQs
- Open Source Strategy



Home » Institute for Market Transformation: Putting Data to Work

### INSTITUTE FOR MARKET TRANSFORMATION: PUTTING DATA TO WORK

- Buildings Home
- About
- Emerging Technologies
- Residential Buildings
- Commercial Buildings
- Appliance & Equipment Standards
- Building Energy Codes
- Success Stories
- Resource Center
- Funding Opportunities

Lead Performer: Institute for Market Transformation (IMT) – Washington, DC

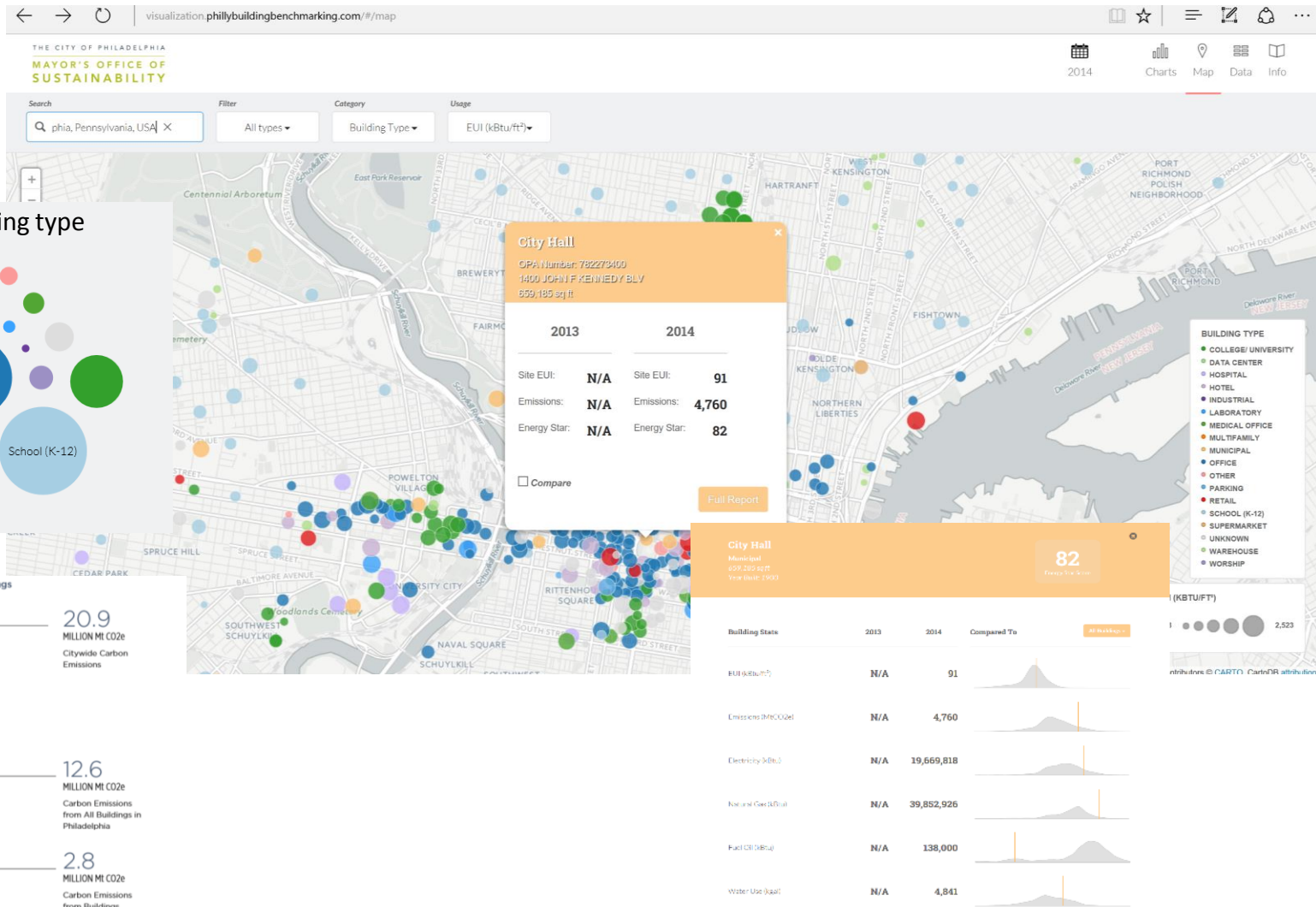
MORE DOCUMENTS & PUBLICATIONS

- Building Energy Data Exchange Specification Scoping Report
- BEDES Strategic Working Group Recommendations
- Financing Multifamily Energy Upgrades

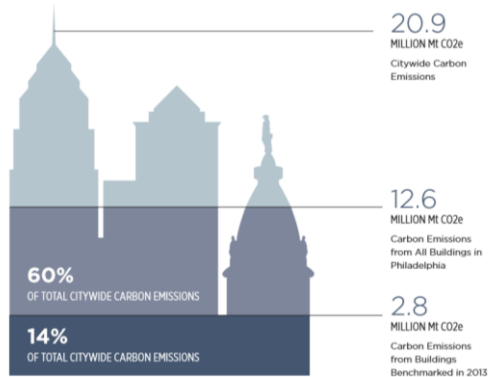


# Orlando

# Philadelphia



Carbon Emissions of Philadelphia's Benchmarked Buildings



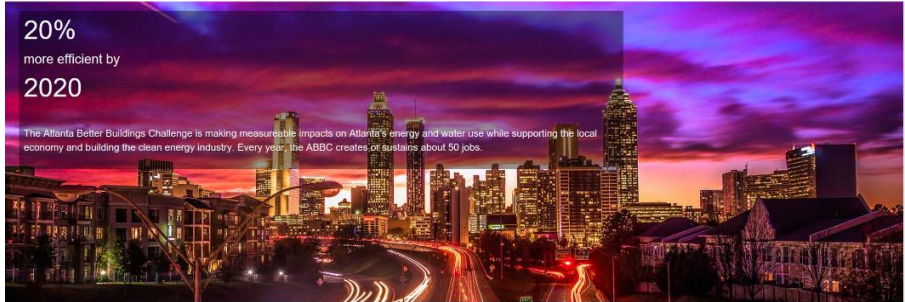
# Atlanta



Participation Benchmarking Energy Water About

20%  
more efficient by  
2020

The Atlanta Better Buildings Challenge is making measurable impacts on Atlanta's energy and water use while supporting the local economy and building the clean energy industry. Every year, the ABBC creates or sustains about 50 jobs.



## Overview

Statistics about the Atlanta Better Buildings Challenge

555 BUILDINGS	105 Million SQUARE FEET	78 AVERAGE ENERGY STAR®
17.8% ENERGY SAVINGS	20.1% WATER SAVINGS	107,243 METRIC TONS CO2E

The Atlanta Better Buildings Challenge (ABBC) is a nation leading sustainability initiative that challenges building stakeholders to make their buildings better by improving building energy and water performance. Its success can be attributed to the committed facility managers, prudent property owners, conscientious building occupants and service providers. These community wide efforts are led by City of Atlanta Mayor's Office of Sustainability, Central Atlanta Progress, Midtown Alliance, Lindbergh Southside, and Southside.

Stay up to date  
Sign up to receive the Atlanta Better Buildings Challenge Newsletter

Atlanta Better Buildings Challenge Data

Showing metrics from the Atlanta Better Buildings Challenge  
© 2015 Atlanta Better Buildings Challenge Data

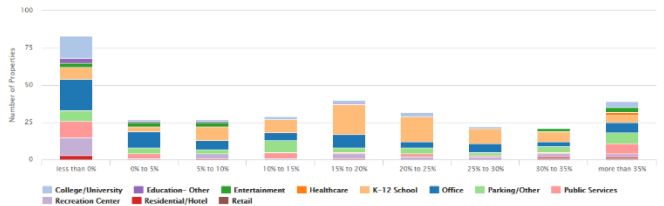


Participation Benchmarking Energy Water About

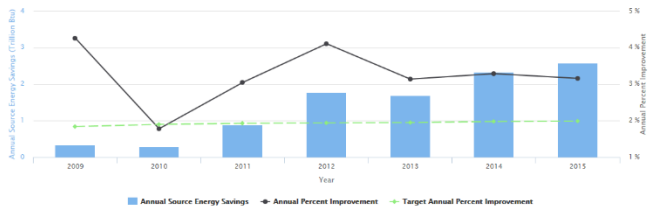
## Energy

Atlanta Better Buildings Challenge properties are improving energy performance by implementing energy conservation measures. The results of these efforts can be seen over time and by property type.

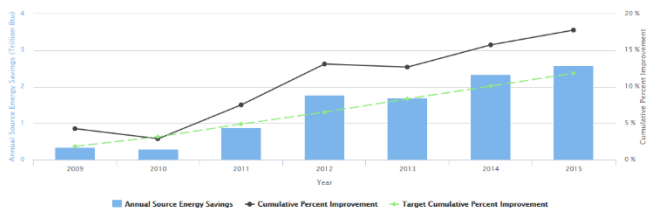
2015 Energy Savings by Property Type



Energy Performance - Average Improvement



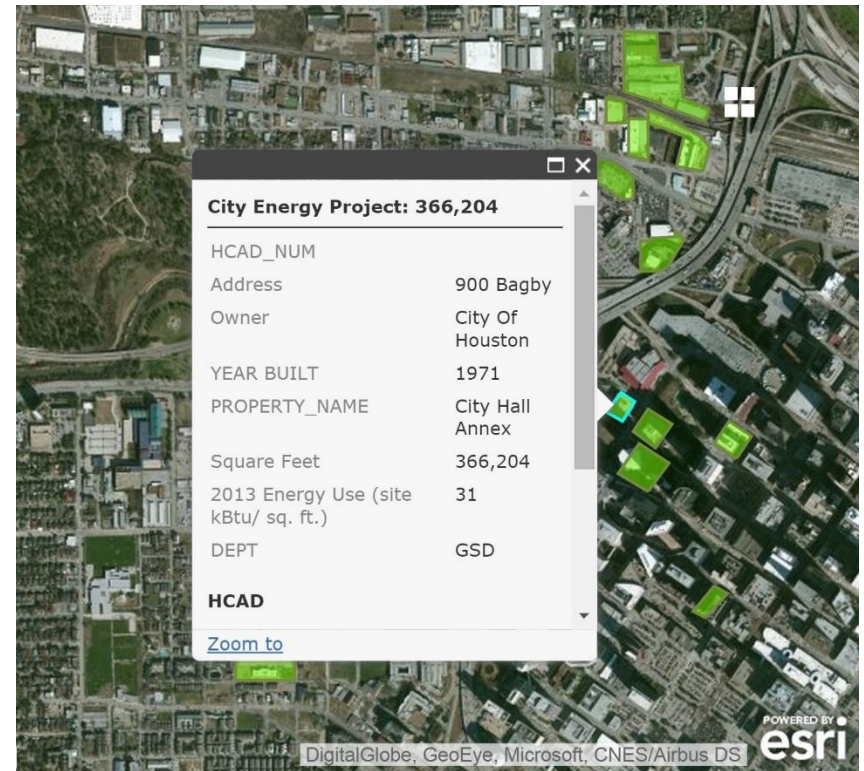
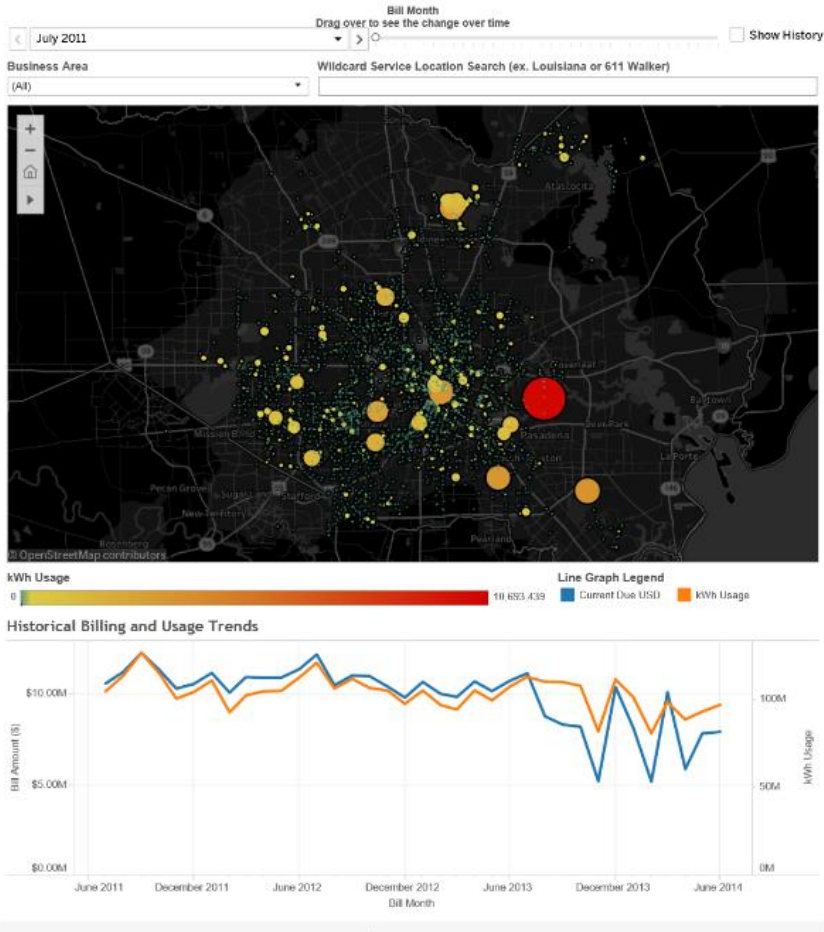
Energy Performance - Cumulative Improvement





# Houston

Energy Usage at City of Houston Facilities by Month - FY12 - FY14  
(Map Excludes Unmetered Street Lights)



# Meet the Market . . .



# Thank you.



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