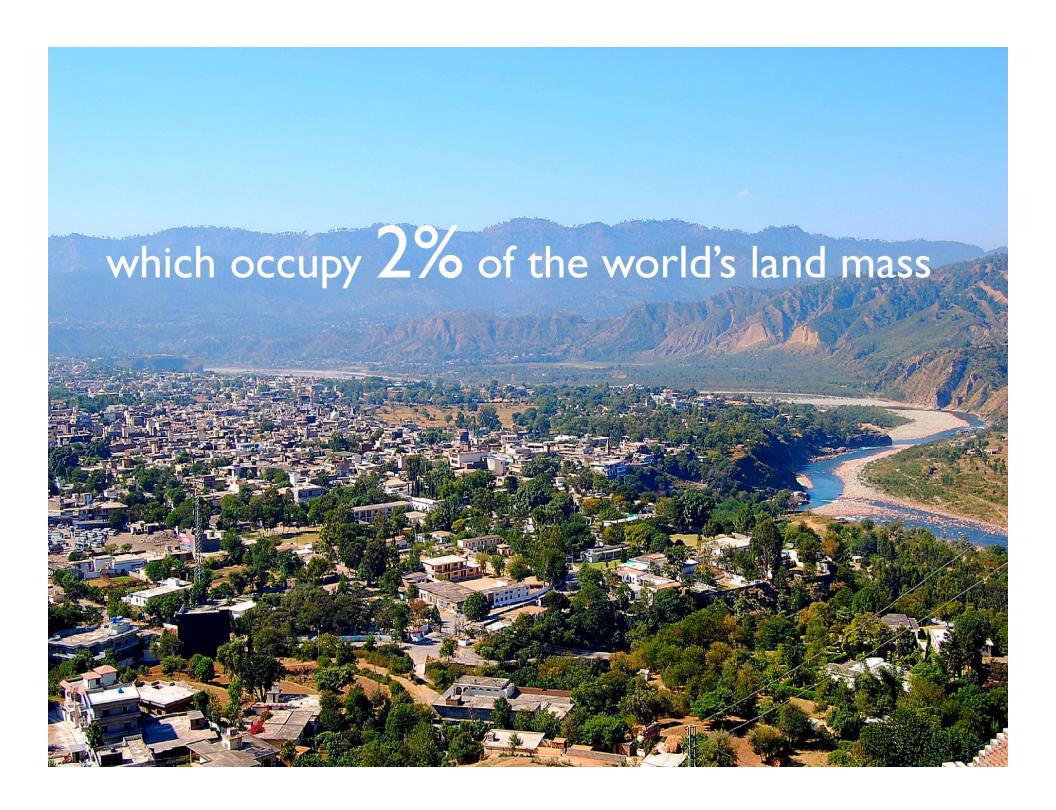


Onondaga County Planning Federation Annual Planning Symposium

S. Rick Fedrizzi
President, CEO and Founding Chair
U.S. Green Building Council











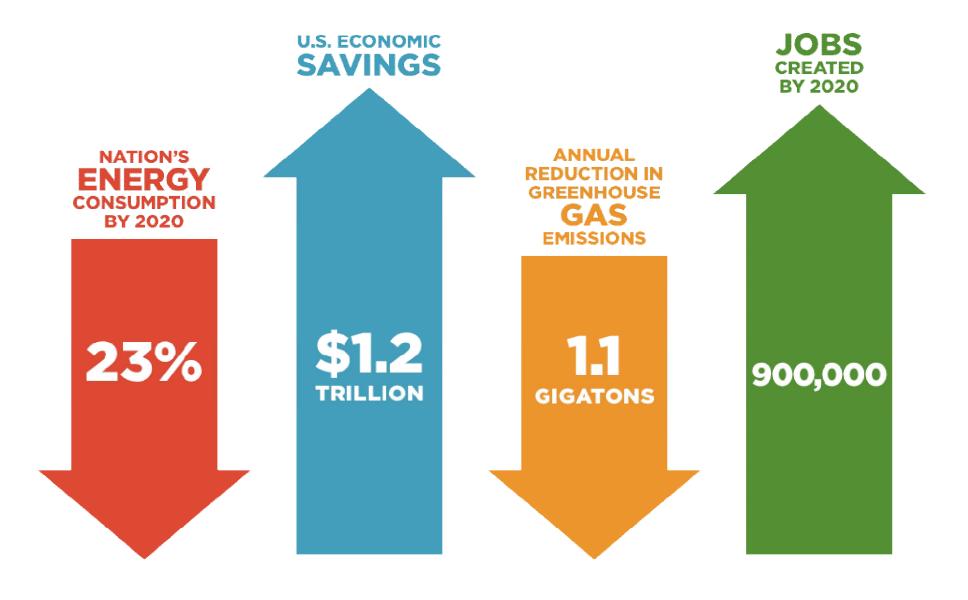




Buildings offer us

The single largest opportunity to FIX THIS...





INVESTING IN ENERGY EFFICIENT BUILDINGS







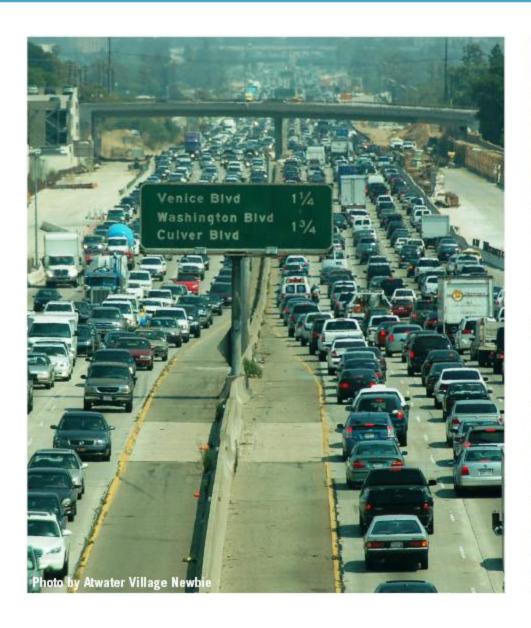


LEED FOR **NEIGHBORHOOD** DEVELOPMENT



LOCAL **GOVERNMENTS**

The Problem







What LEED-ND Is:



The Way It Is



Columbia Pike in Arlington, VA

The Way It Could Be



The Benefits: Triple Bottom Line

HEALTHIER CLEANER STRONGER

communities environment

economy



The Benefits of LEED-ND

Representative Types of Projects

- Urban infill
- Suburban retrofit
- Small community

- Brownfield redevelopment
- Transit oriented development
- Development on adjacent land



Considerations

LEED-ND is designed for individual development projects

- Not a replacement for comprehensive planning
- Not designed to rate zoning codes or comprehensive plans
- Not designed to rate existing, stable neighborhoods
- Not designed to rate an entire town, county or city



LEED-ND Statistics (as of August 2011)

PILOT

Stage 1 = 28

Stage 2 = 65

Stage 3 = 11

Total = 100*

2009

Registered = 96

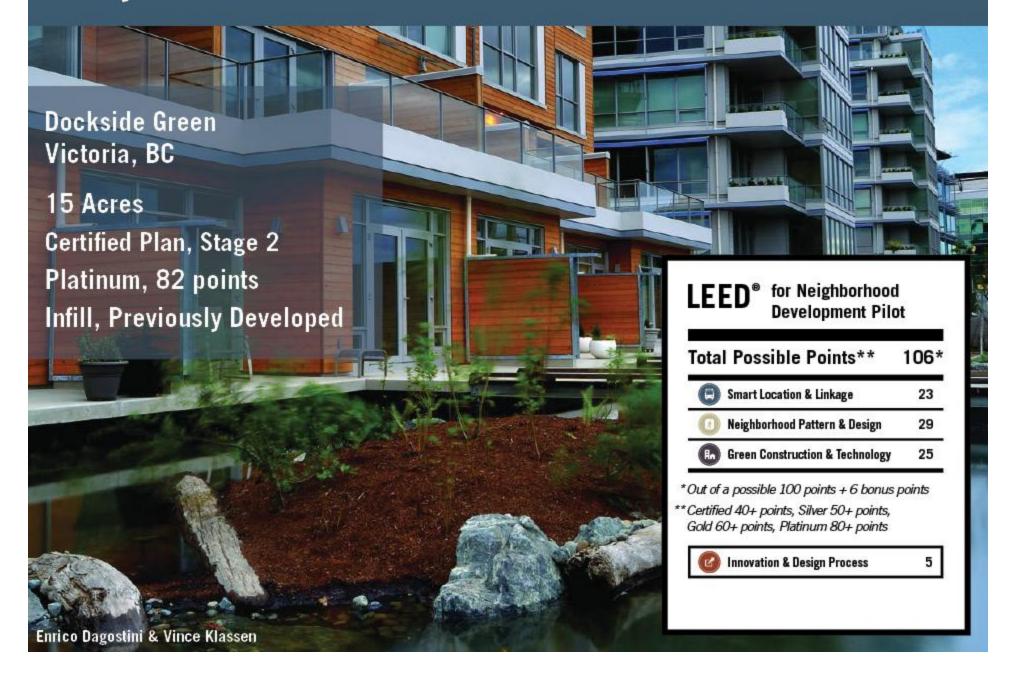
Certified = 2

1st Project
Foshan Lingnan Tiandi
(Foshan, Guangdong
Province, China)

Pre-Certified Plan, Gold



Project Profile: Dockside Green



Dockside Green - Platinum Waterfront

SPECS

1,185 DU

78 DU/Acre

41% of energy demand met by zero-emission renewables (on & offsite)

100% of wasterwater treated and reused onsite

515 transit trips within 1/4 mile

20% reduction in weekday automobile trips (TDM)



Dockside Green - Platinum Waterfront

PROJECT DETAILS

Project attempting LEED Platinum certification for all phases of development

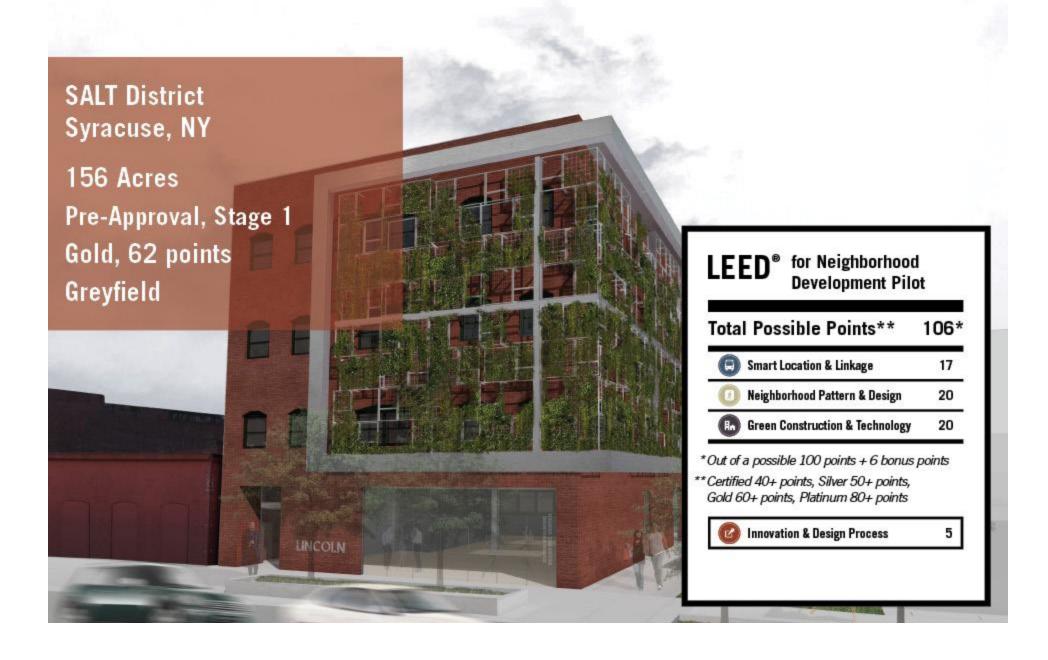
33% of energy provided by renewable biogas system

89% of units targeting LEED Platinum certification

Long-term restoration and conservation of habitat and wetlands on-site



Project Profile: SALT District



SALT District - Partnering for Sustainability

SPECS

1211 DU (mix of single and multi-family)

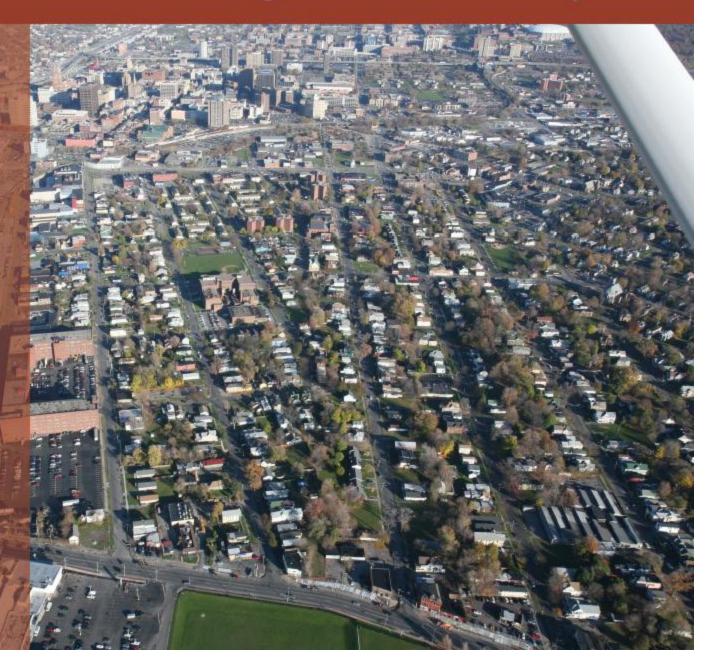
25.5 DU/Acre

70% of new rental units priced for up to 50% AMI

Over 3,000 jobs with 1/2 walk distance of project center

78% of existing buildings reused

21% of square footage will be LEED certified



SALT District - Partnering for Sustainability

PROJECT DETAILS

Existing community on west side of downtown Syracuse

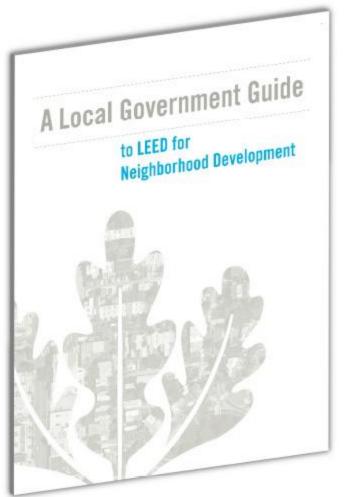
Community plan and vision spearheaded by the Near Westside Initiative

LEED-ND used as a framework for sustainable redevelopment

Extensive community outreach and involvement



LEED-ND: Local Government Guide



THE APPROACHES

- Lead By Example
- Remove Barriers and Pave the Way
- The Case for Incentives
- Technical Assistance and Education

www.usgbc.org/ndgovguide

Resources

www.usgbc.org/leed/nd

- Rating system
- Pilot information

www.usgbc.org/nd

- Project profiles
- Public PPT
- Quarterly newsletter
- LEED curriculum

www.usgbc.org/ndlocalgov

- Local government guide
- Slide presentation



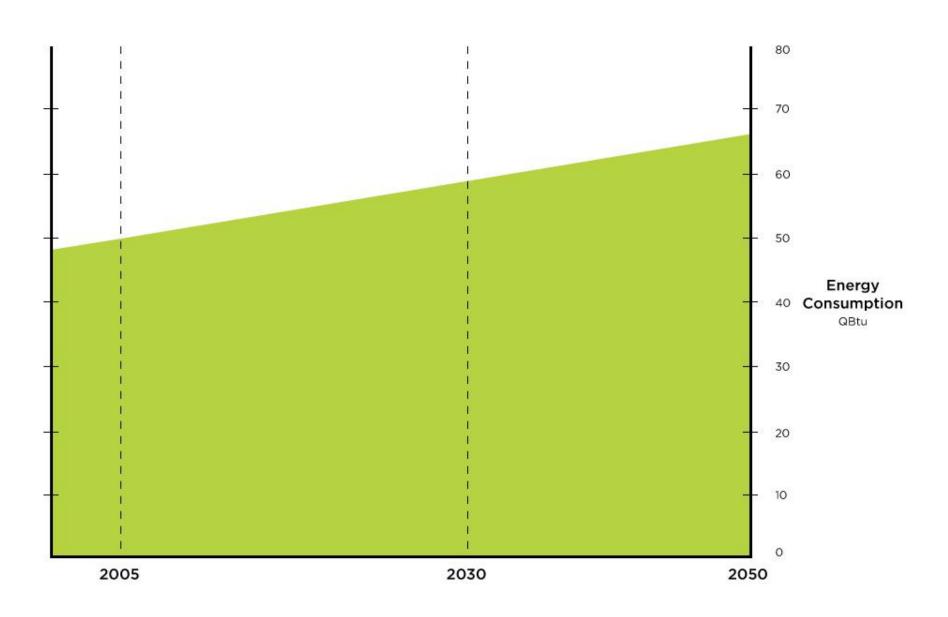






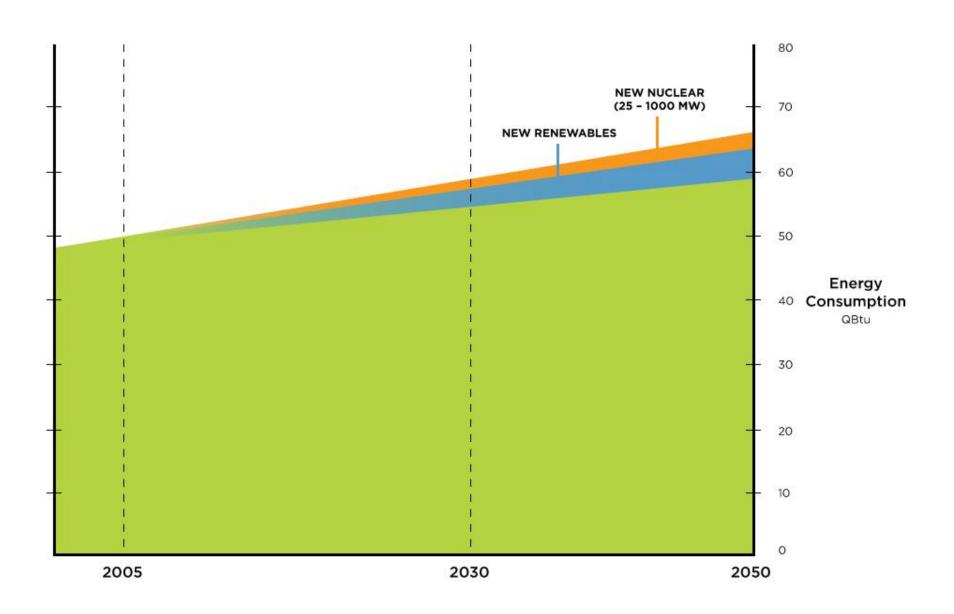
U.S. Building Sector Energy Consumption

Source: EIA/Architecture 2030



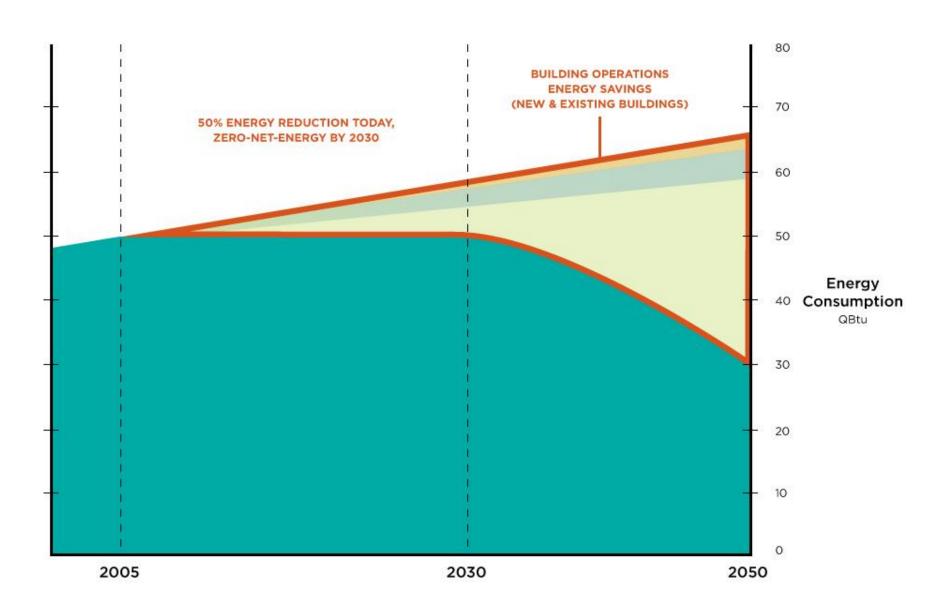
U.S. Building Sector Energy Consumption

Source: EIA/Architecture 2030



U.S. Building Sector Energy Consumption

Source: EIA/Architecture 2030



Energy savings of

\$1.2 trillion

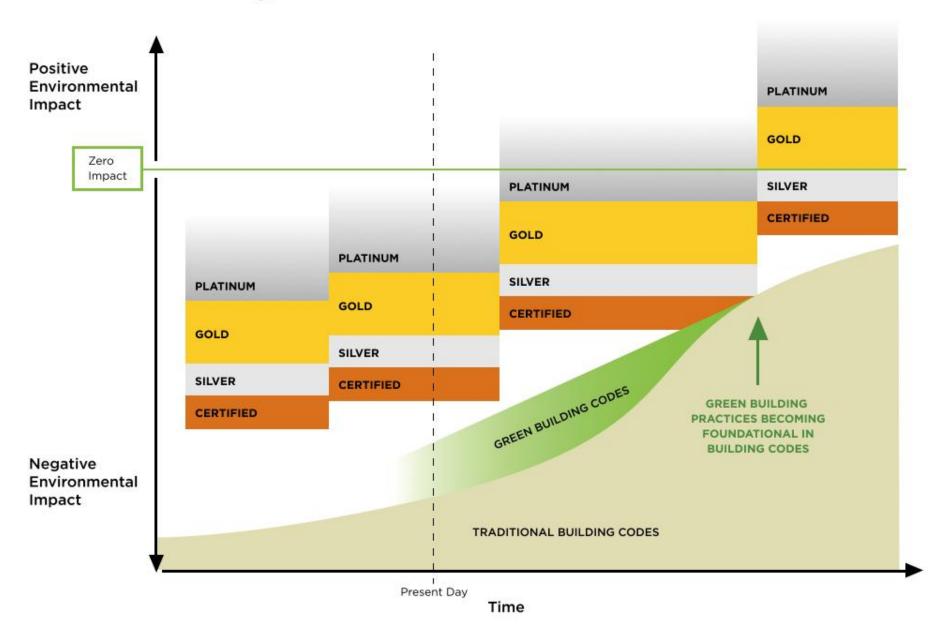
and the creation of up to

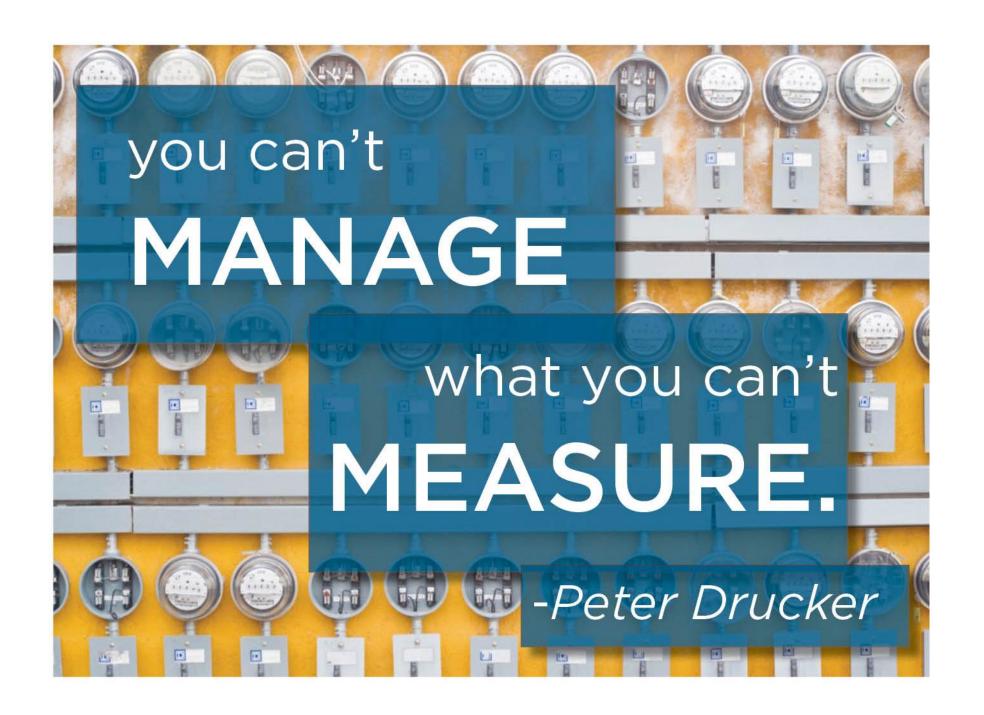
900,000 new jobs

by 2020



We Are Going to Take You Here





BPP

Building Performance Partnership

A partnership between the USGBC and building owners to optimize building performance through data collection, analysis and action. BPP will transform the way the world views efficient building operations.

DRIVING PERFORMANCE IN GREEN BUILDINGS

- Evolving Rating Systems
- Driving Better (and easier) Data Collection
- Analyzing that Data in ways that accelerate performance

2010 PERFORMANCE REPORT

Building Performance Partnership



U.S. GREEN BUILDING COUNCIL

General Facility Characteristics



Energy Efficiency Measures from LEED Certification Documents Building Systems Maintenance **Building Systems Monitoring**

Water Efficiency Measures from LEED Certification Documents Water Use Reduction - 10% or creater reduction* (*reduction from calculited baseline)

Space Use Revision Summary

The original space use characteristics of hours of operation, workers on main shift, and number of PCs were entered into ENERGY STAR Portfolio Manager effective 2005, and were updated January 13. 2011 to reflect:

Weekly Operating Hours:

Workers on Main Shift:

Number of PCs:

©27% ©27%

Pleasanton Corporate Commons - 6200 Stoneridge



Energy Performance



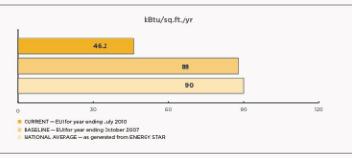
Site Energy Use Intensity (EUI)

This facility is currently using 49% less energy per square foot than similar facilities in the U.S. Total site EUI has decreased 48% from the baseline year. The ENERGY STAR Rating has increased indicating animprovement in energy performance relative to other similar buildings in the U.S.

Current Energy Use: (current EUI: 46.2 kBtu/sq.k/yr) Current ENERGY STAR Rating: (baseline is88)

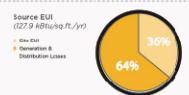
48%

99



Total Greenhouse Gas Emissions

With the current fuel mixture in this facility, approximately 1.8 B:u's of energy are lost in transmission and distribution for every Bbu used on site.



For the 12-month period ending July 2016, this facility was responsible for 800 91 NGO2e attributed to energy use. This is a 34% decrease from the emissions from the baseline year ending October 2007.

EMISSIONS: (599 MtC02e for 08/05-7/10)

⊕34%

Pleasanton Corporate Commons - 6200 Stoneridge



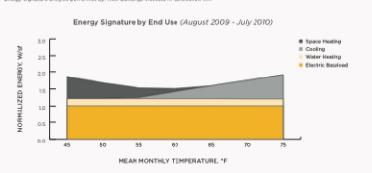
Energy Performance

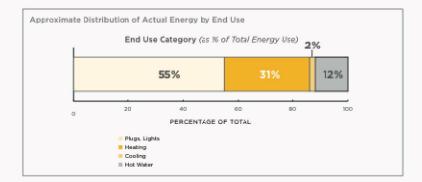


Energy Signature by End Use

Energy Signatures analyze the monthly measured energy use (vertical axis) in relation to the actual average outside temperature (horizontal axis). That perspective permits an effective first view of how energy is being used in the building and areas that may warrant further investigation.

Energy Signature analysis performed by: New Buildings Institute in Vancouver, WA



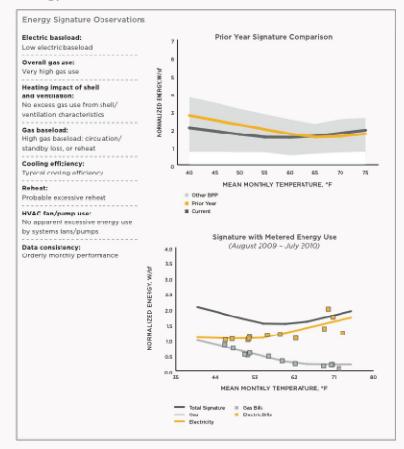


Pleasanton Corporate Commons - 6200 Stoneridge SPP ANNUAL PERFORMANCE REPORT



Energy Performance





Pleasanton Corporate Commons - 6200 Stoneridge

BPP ANNUAL PERFORMANCE REPORT UTILITY DATA CURRENT AS OF JULY 2010



Water Performance



Potable Water Use

Indoor water use in 2010 was 29% lower than expected after performance period upgrades.

Indoor water use in this facility is currently 28% higher than the previous year baseline.

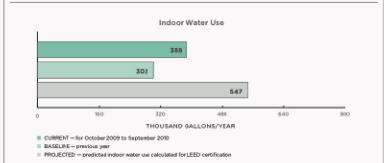
Actual potable water use for imigation in the 12 month period ending September 2010 has decreased 8% compared to the

prior year. .

Indoor Water Use Change from Projected (current usage: 388 kGal/yr)

Indoor Potable Water Use Change from Previous Year Baseline:

Potable Water Use for Irrigation: (ictual usage: 2251 kGal/yr)







Pleasanton Corporate Commons - 6200 Stoneridge

BPP ANNUAL PERFORMANCE REPORT UTILITY DATA CURRENT AS OF JULY 2010







GBIG

Green Building Information Gateway

GBIG

The Green Building Information Gateway





More GBIG Apps



GBIG Explorer (>)

Explore over 250 green buildings in the



GBIG Analyst (>)

Navigate a map displaying nearby LEED

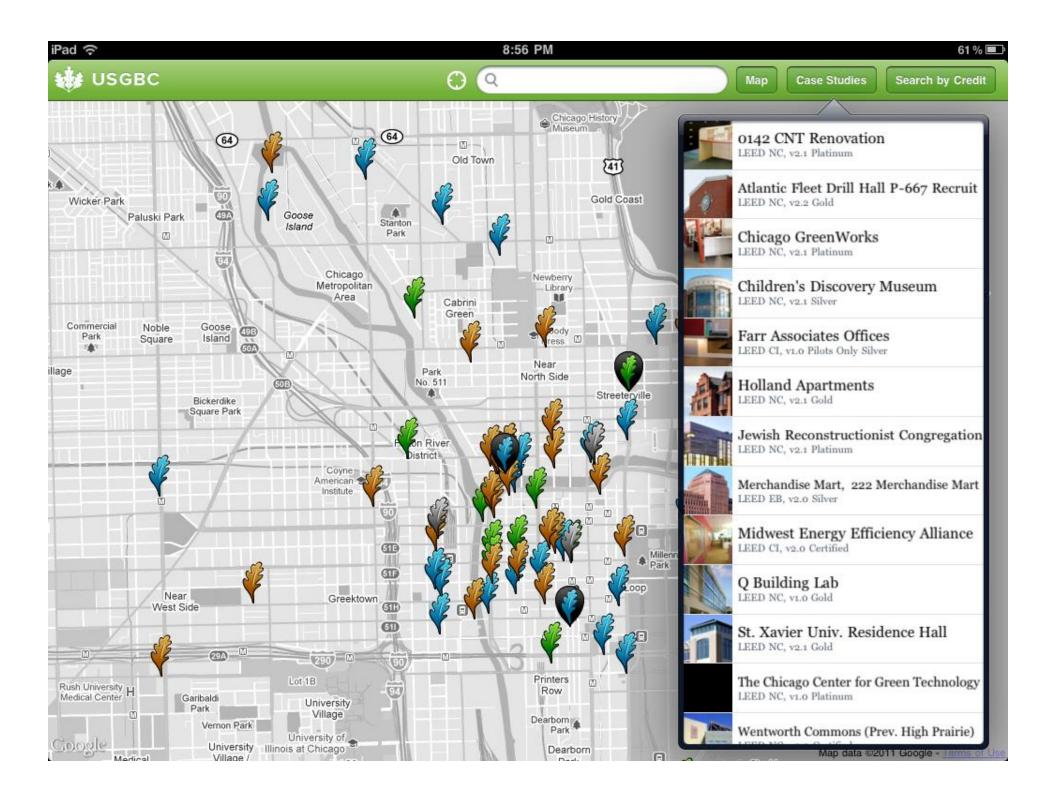


GBIG DC Regional Pilot (>)

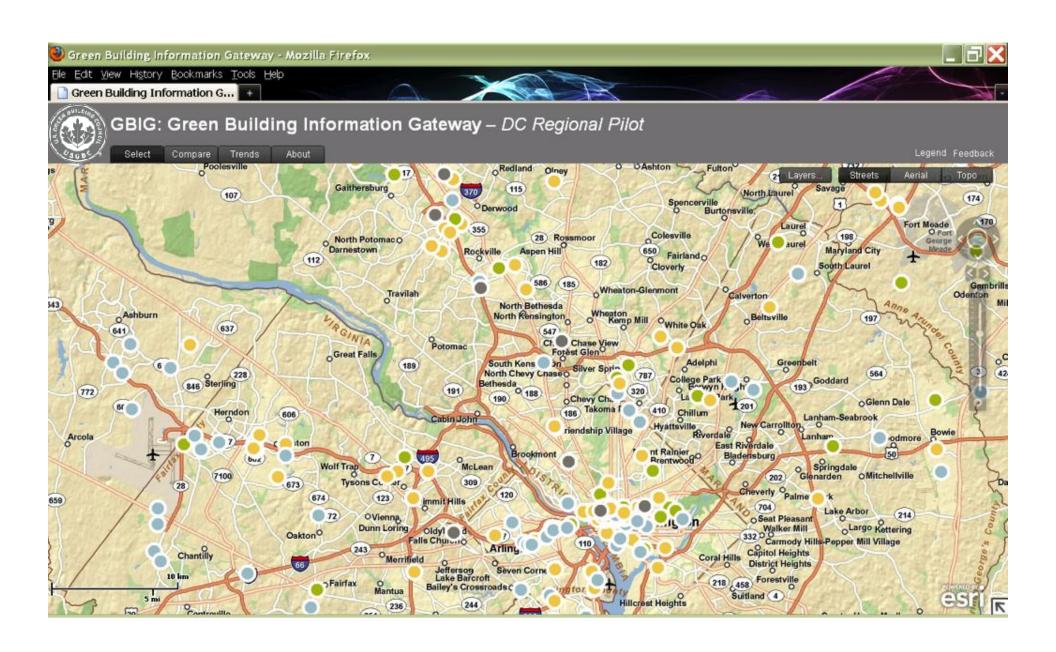


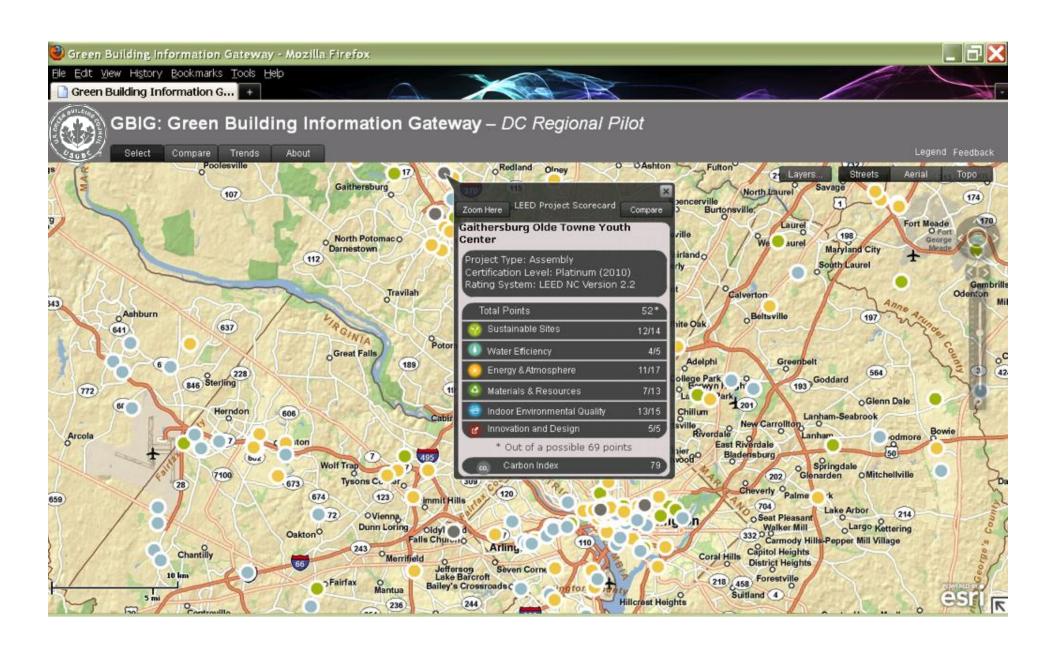
Information technology that provides a view

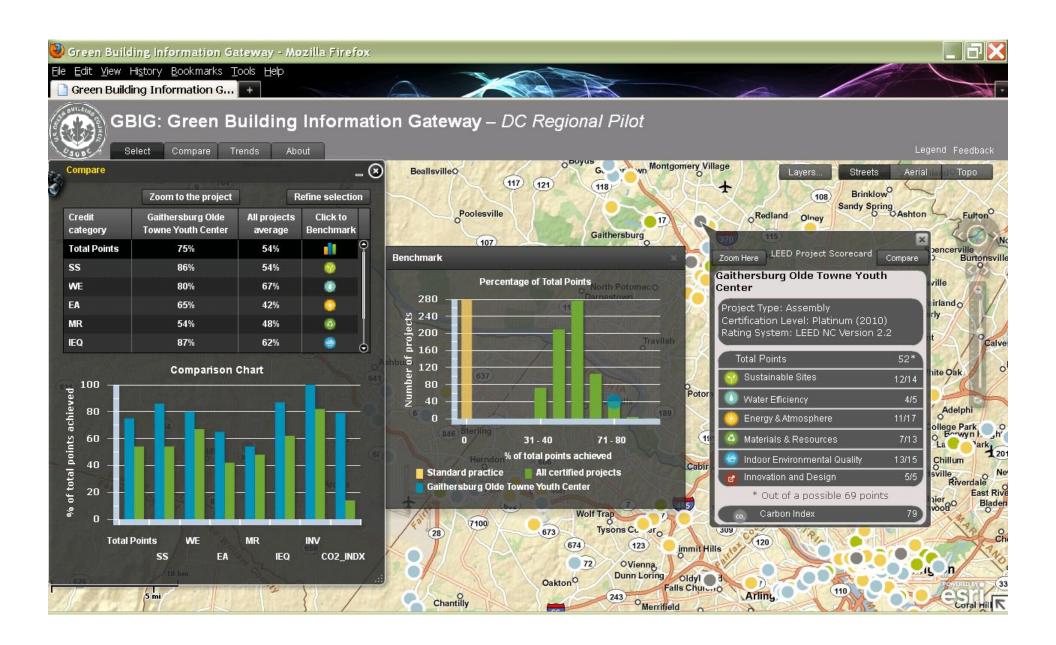


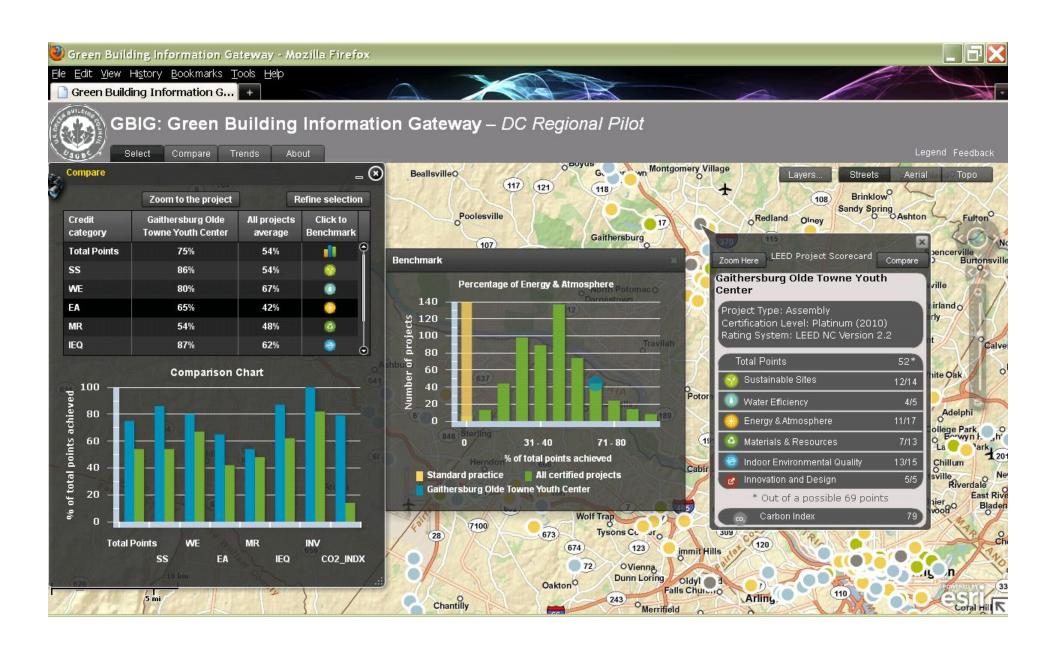


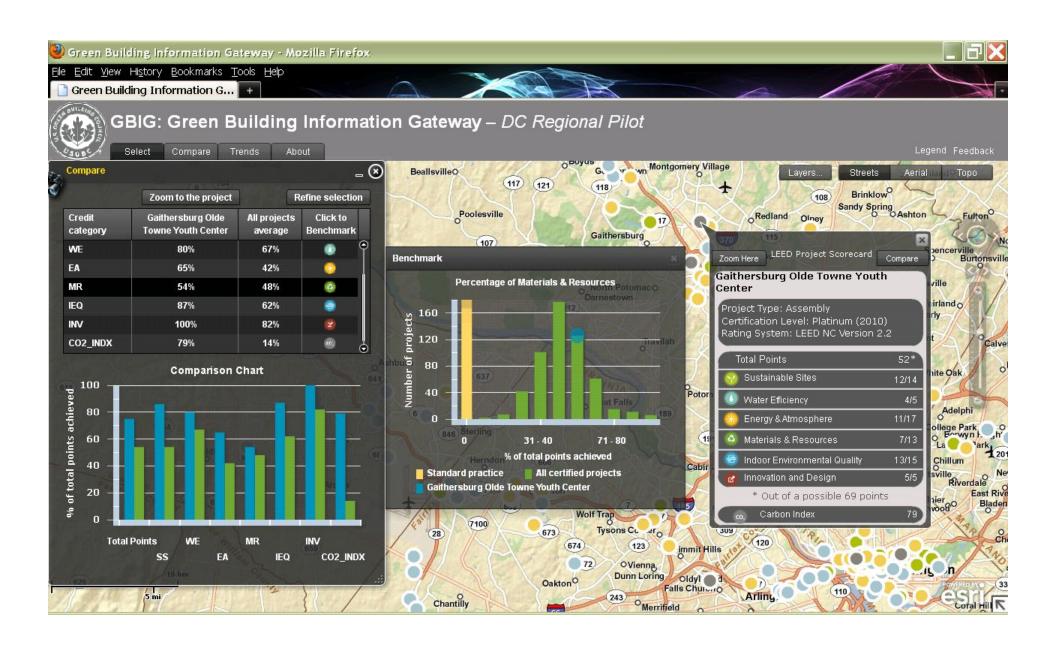


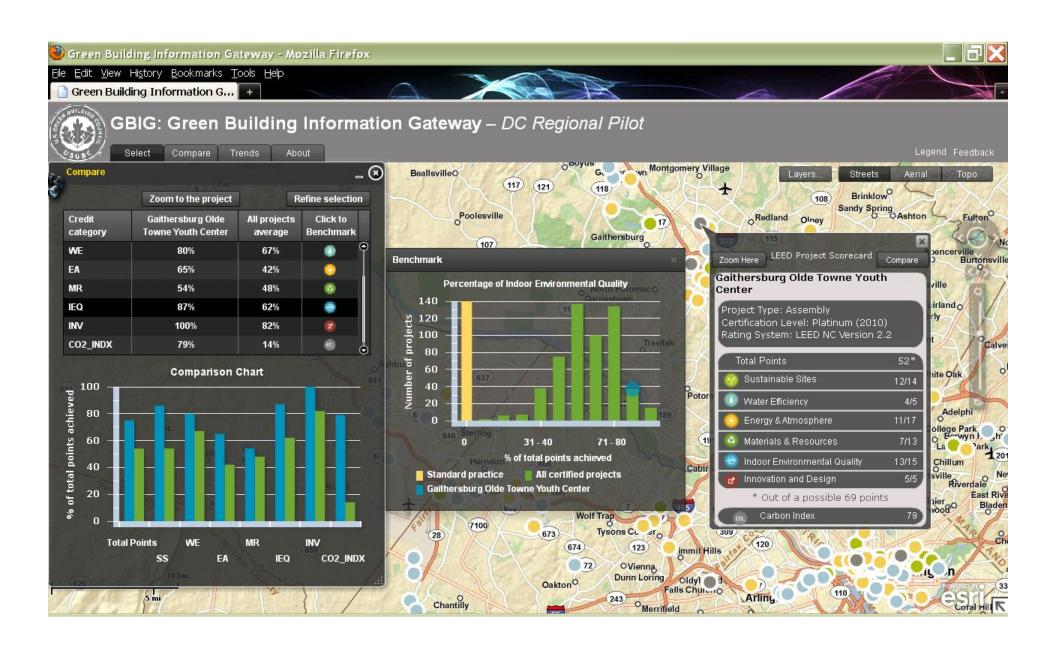


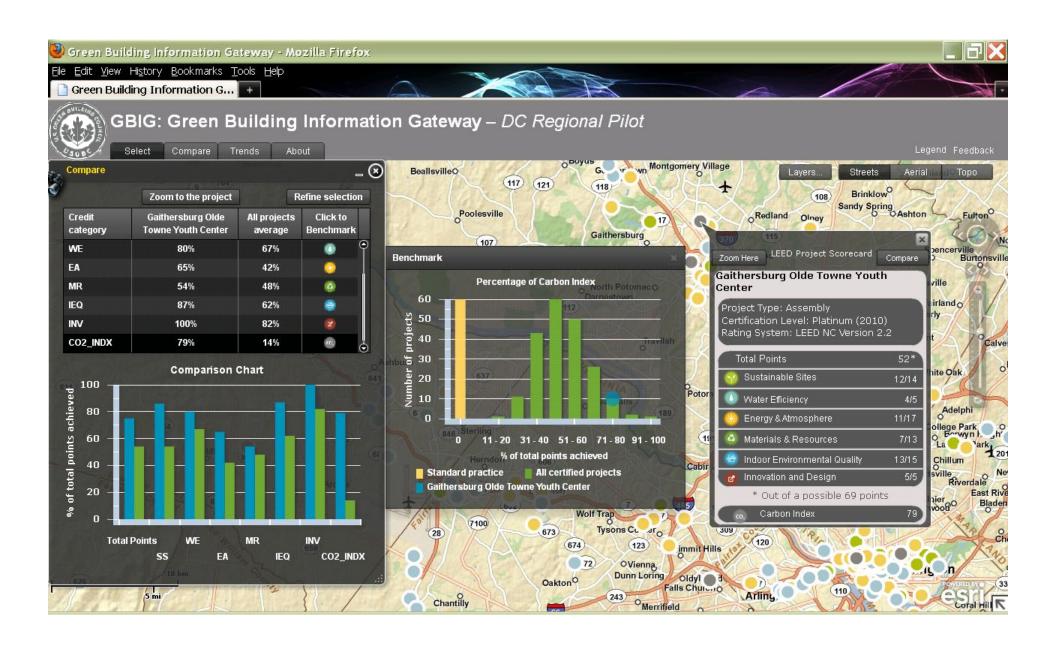






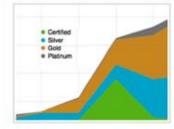






Explore Places & Cities Through Green Builling Data CITIES COMPARISONS STATES CITY o Boston California o New York vs. Los Angeles o Chicago Colorado o Chicago vs. Houston o Dallas o Illinois o San Diego vs. Detroit o Detroit Maryland o San Francisco vs. Miami Houston Massachusetts Nevada Los Angeles STATE o New York Oregon Vermont vs. New Hampshire o Philadelphia Texas o New York vs. California o Phoenix Vermont o Florida vs. Texas o San Diego Wisconsin o Oregon vs. Washington

Features



Metrics

Use charts and tables to explore green building activity in cities, towns, and states.



Map

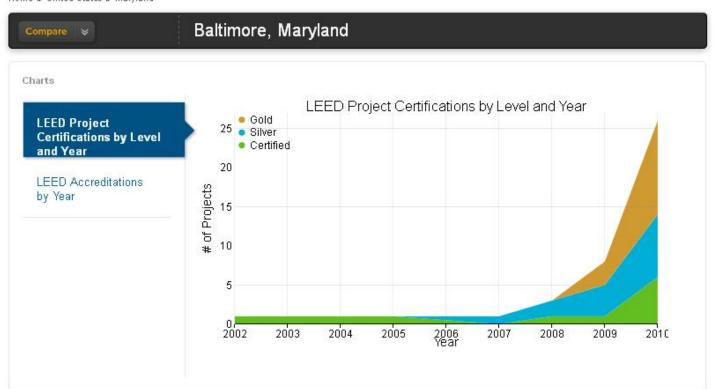
Pan and zoom around the city to location areas with green building activity.



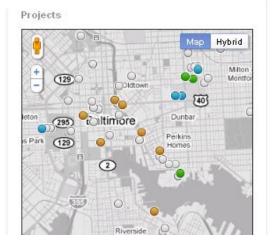
Project Profiles

Browse thousands of project profiles and view information about their certification and more.

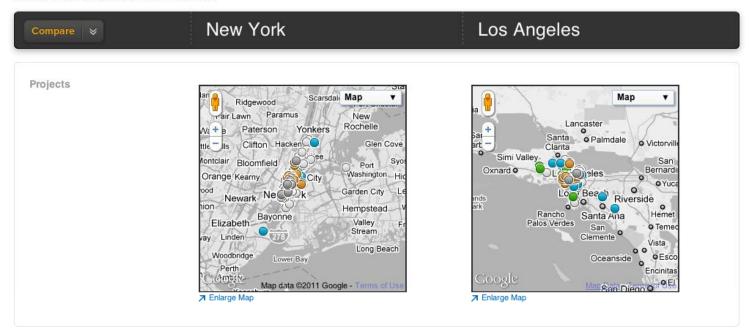
Home » United States » Maryland



letrics	
Population (2009 est.) Baltimore city	637,400
LEED® Certified Projects	41 (64.32)
LEED Certified Gross Sq. Ft	6.074 Million (9.529 Million)
LEED Registered Projects	200 (313.8)
LEED Registered Gross Sq. Ft	28.15 Million (44.16 Million)
Goverment Owned LEED Certified Projects	2 (3.138)
	1 200 000 200 000



Home » United States » New York » New York



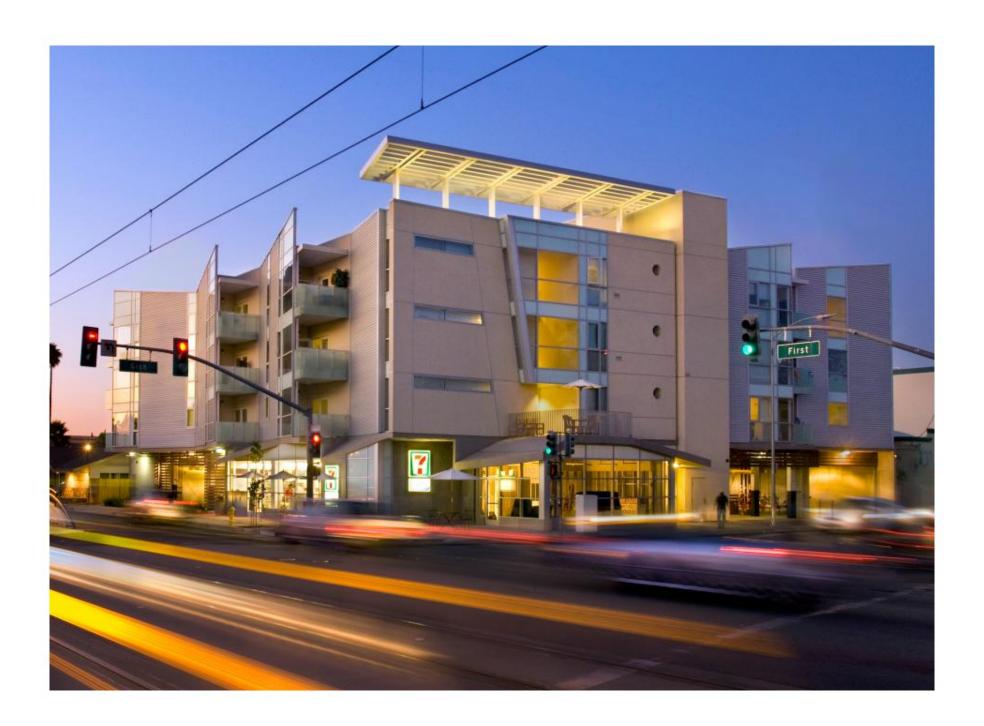
Metrics		
ENERGY STAR® Buildings & Plants	99 (11.8)	126 (32.88)
Population (2009 est.)	8.392 Million	3.832 Million
USGBC Member Employees	461,300 (54,980)	131,700 (34,360)
USGBC Members	359 (42.78)	110 (28.71)
Government Owned LEED Certified Gross Sq. Ft	103,600 (12,350)	10.01 Million (2.613 Million)
LEED Certified Gross Sq. Ft	39.65 Million (4.724 Million)	39.13 Million (10.21 Million)
USGBC Member Revenue (\$/yr)	36.76 Billion (4.38 Billion)	5.498 Billion (1.435 Billion)
LEED Professsionals	4,044 (481.9)	1,899 (495.6)

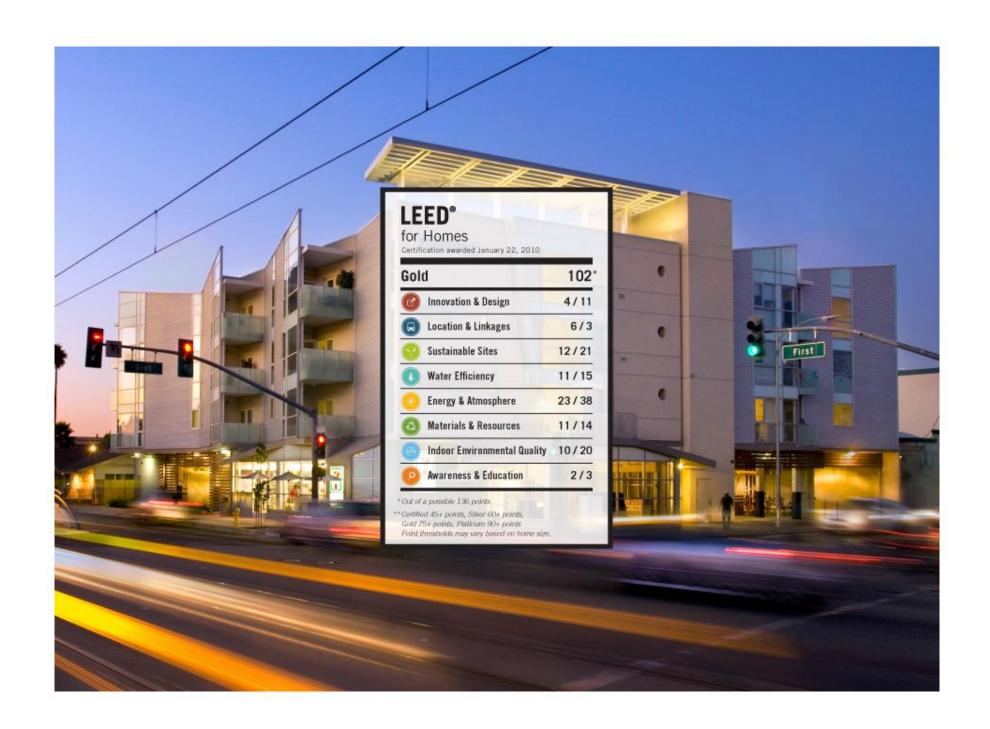
Leaders Value Results

The next generation of green building practice:

- Consistently-customized.
- Data-driven.
- ✓ Information-powered.

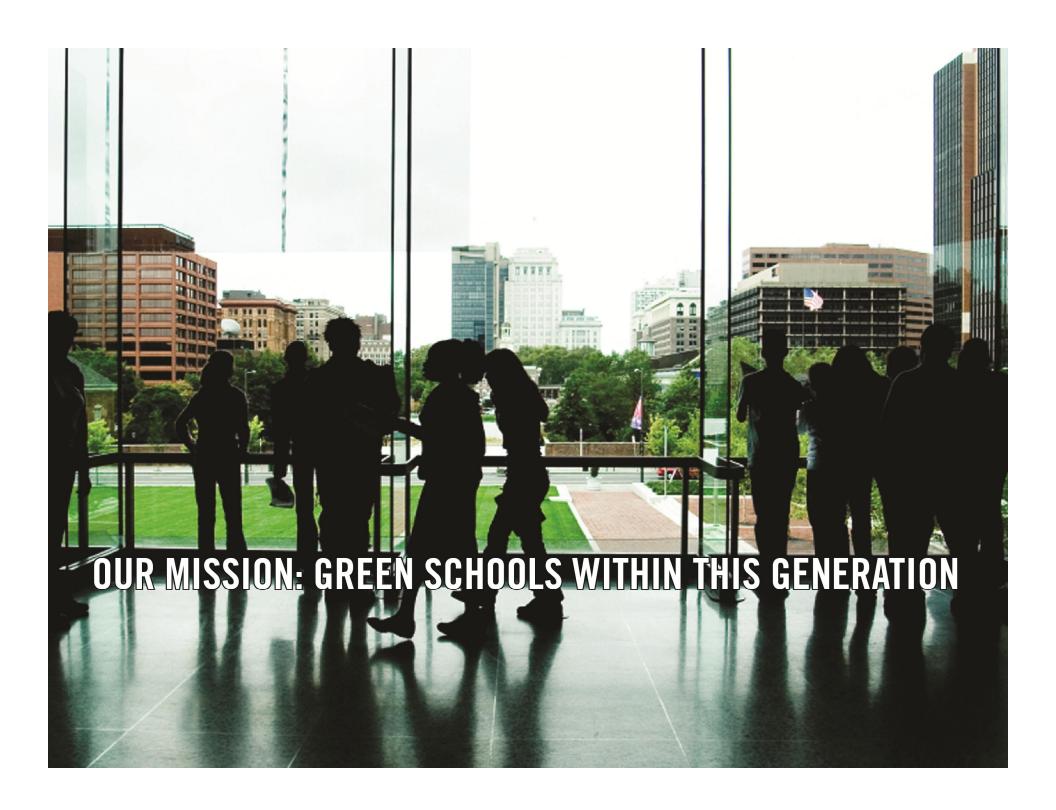
PREVIEW TODAY AT WWW.GBIG.ORG

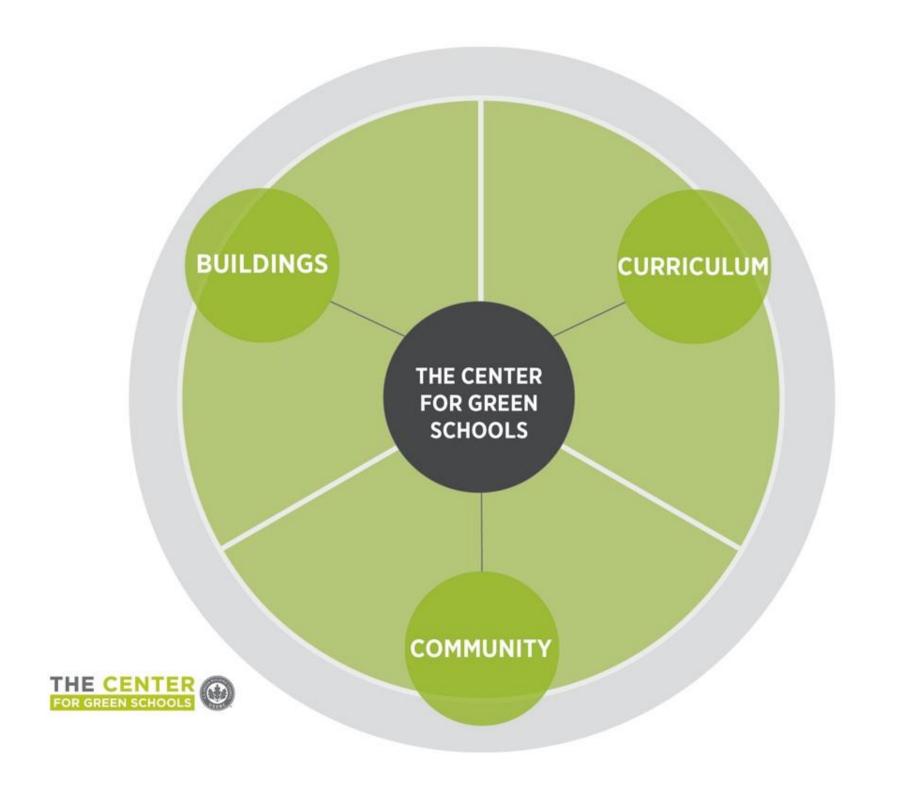




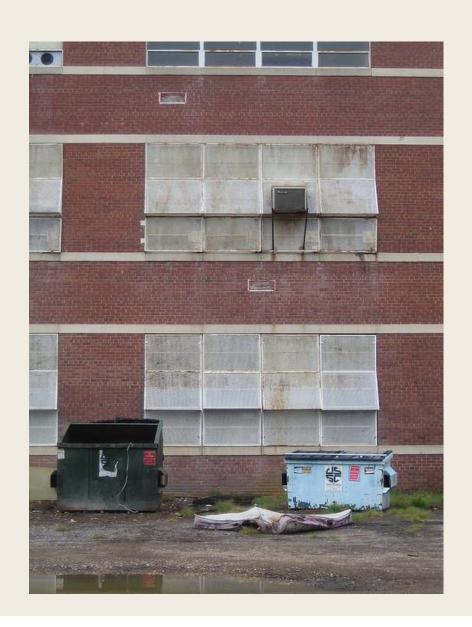


THE CENTER FOR GREEN SCHOOLS FOR GREEN SCHOOLS

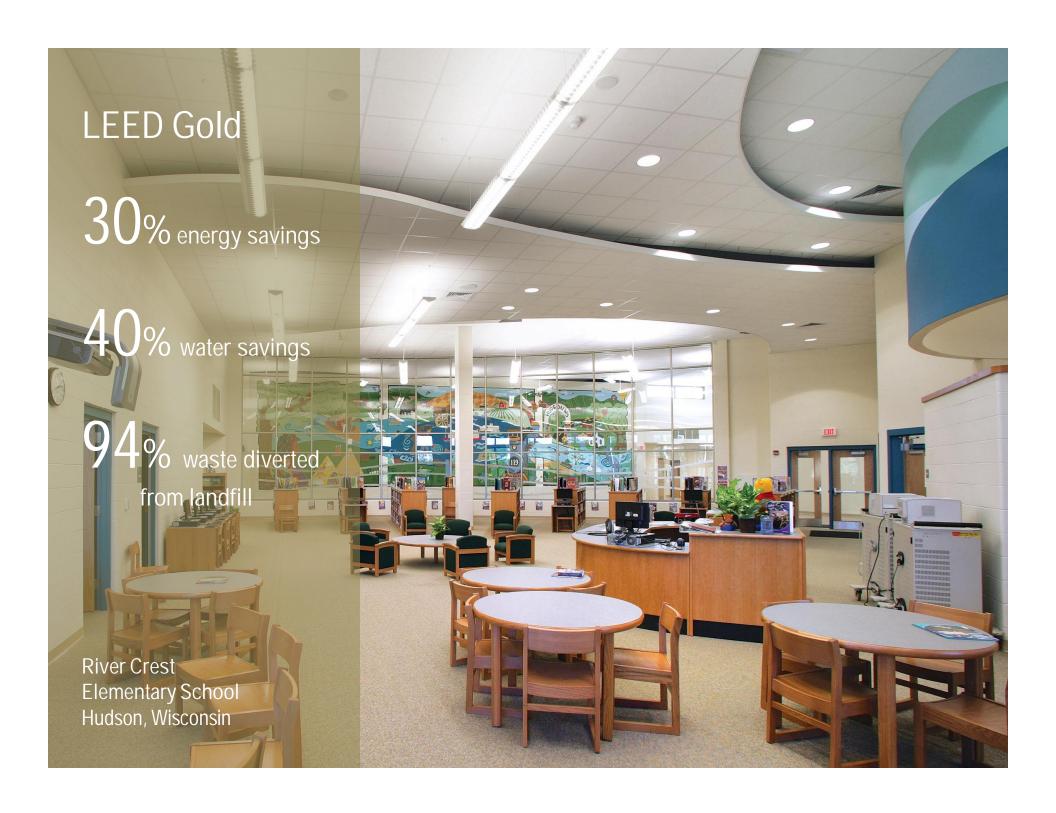


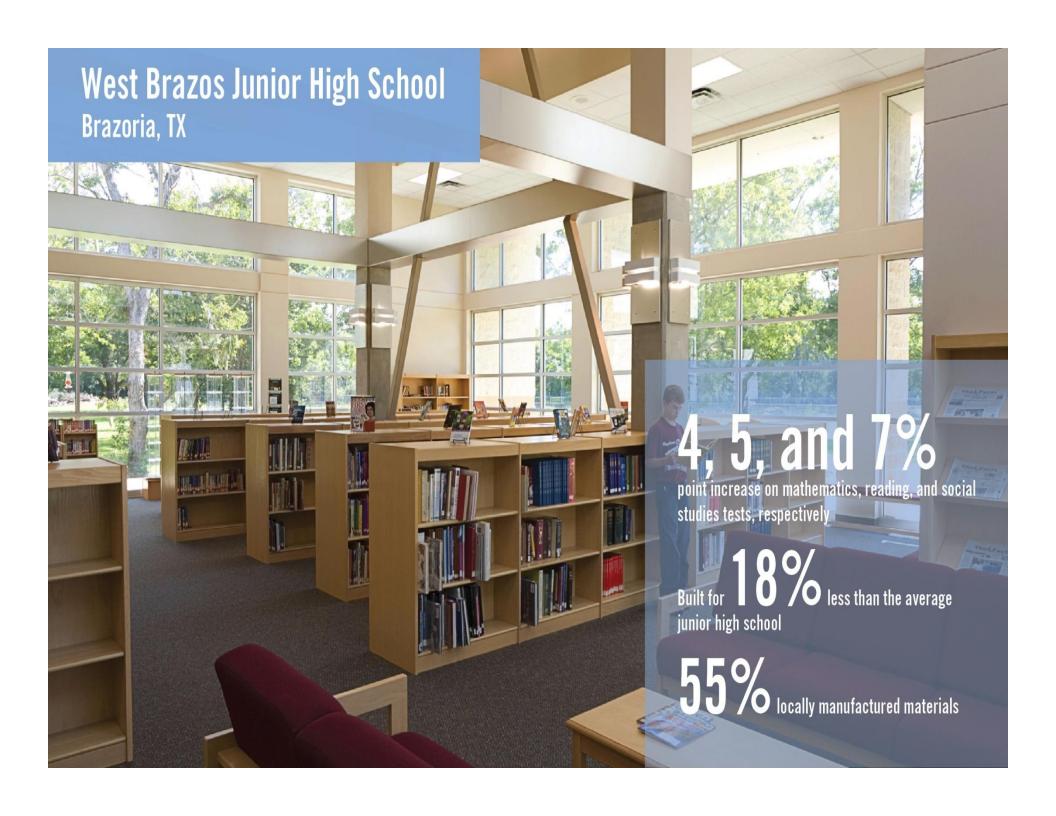












The COALITION for Green Schools

AIA Committee on Architecture for Education American Architectural Foundation American Association of School Administrators American Federation of Teachers Association of School Business Officials International Council of Chief State School Officers Council of Educational Facility Planners International Healthy Schools Campaign National Association of State Boards of Education National Clearinghouse for Educational Facilities National Education Association National PTA National School Boards Association US Green Building Council



There can be no keener revelation of a society's soul than the way in which it treats its children.

- Nelson Mandela



