

..RECONSTRUCT..



Green Building in New Orleans Post-Katrina
Presentation for CEC JPAC * November 2010

Global Green USA

- o Founded 1993 by activist and philanthropist Diane Meyer Simon



- o US arm of Green Cross Intl. created by Mikhail S. Gorbachev
- o **Mission:** To foster a global value shift toward a sustainable and secure future by reconnecting humanity with the environment





In the United States, Global Green combats climate change by greening buildings & communities. In New Orleans, these efforts are creating a model for coastal communities worldwide.

On the Streetcar Track...



Downtown office s and Green Building Resource Center

Green Building Resource Center

- Fact Sheets
- Product wall
- List of vendors
- Design advice
- Technical assistance
- Information on incentives
- Monthly panel discussions
- Build It Back Green center of operations



841 Carondelet St.

**Hours: Tue, Wed,
Thu 10 – 3**

**& Sat by
appointment**

504- 525 -2121



Build It Back Green

Global Green's Outreach Program





Build It Back Green

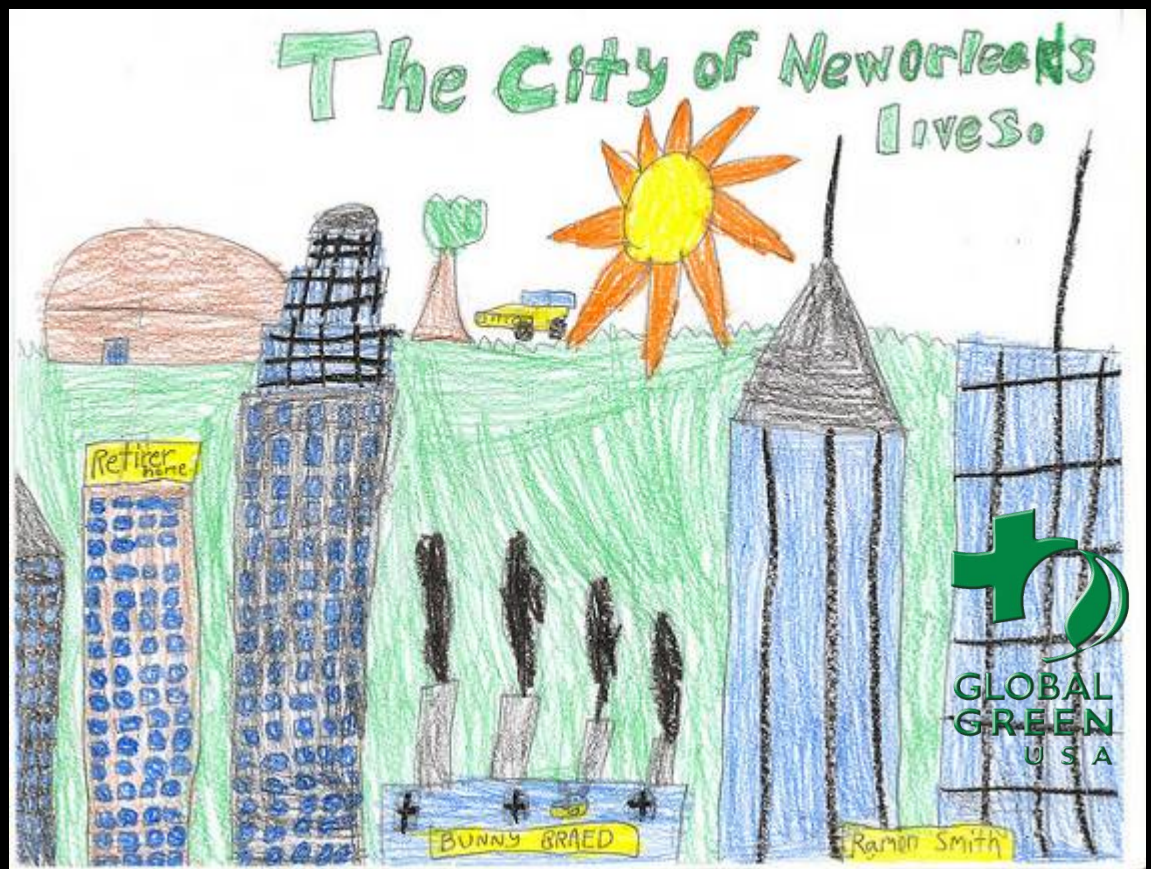


BIBG by the Numbers

- 20,000 contacts
- 2,000 visitors to resource center
- 300 technical assists
- 220 community events
- 100 in-home energy assessments
- 15 weatherizations
- 12 non-profit trainings



Green Schools for New Orleans



Green Seed Schools



A.P. Tureaud



MLK Elementary



International School



Gentilly Terrace

Conservation Measures	Tureaud Elem. Treme	School Garden District	Elem. Lower 9 th Ward	Terrace Elem. Gentilly
Solar Shades	Y	Y	N	Y
New Fluorescent Lights	Y	Y	Y	Y
CFLs	Y	N	Y	Y
New Light Fixtures	N	N	N	Y
Electronic Ballasts	N	N	N	Y
Caulk/Weatherstrip	Y	N	N	N
Adjust thermostat	Y	N	Y	N
Occupancy Sensors	Y	Y	Y	Y
Daylight Sensors	N	N	Y	Y
Rainwater Cistern	N	Y	N	N
Water Heater Blanket	N	Y	Y	N
Est. Annual Savings				
Electricity (kWh)	211,000	168,000	190,000	187,000
Potable Water (gallons)	N/A	90,000	N/A	N/A
CO ₂ Reductions (lbs)	220,000	177,000	180,000	195,000
Energy Bill	\$26,000	\$22,000	\$25,000	\$24,000

Model Green Schools



Wilson Elementary—Major Renovation



Landry High School—New Construction





**Renovation
Completed
January 2010**

**Wilson Elementary
July 2008**



**Achieved
LEED Gold
November 2010**



Some GG funded features at Wilson

- 12,000 gallon rainwater cistern for irrigation



- PV panels on entrance canopy to supply renewable energy to school
- 15 solar thermal panels above kitchen to supply 90% hot water



Value Added Work for Green Schools

- Green Curriculum Development



- **Green Power Girl assemblies and teacher trainings**



- Green Career Fair for high school students & community (Keynote Speaker Jerome Ringo)

- N.O. Public Schools Master Plan commits to green

The Sustainable Design Competition for New Orleans
Advancing the Sustainable Rebuilding of New Orleans and the Gulf Coast
Brad Pitt, Design Jury Chairman and Patron

HOLY CROSS PROJECT

Based on the Winning Design:
GREENOLA

PROJECT FUNDING PARTNERS LEAD FUNDING PARTNER



COMPETITION SPONSORS

BRAD PITT
ADAM JOSEPH LEWIS
PIERRE ANDRÉ SENDEZGUES
TRZEC PROPERTIES
SUZANNE FREYHALD
SEAN CUMMINGS

DESIGN JURY

LAUREN ANDERSON
BOB BERKEBILE
KEITH BUTLER
YOLANDA DANIELS
PAM DASHIELL
JULIE EISENBERG
WALTER HOOD

RAY HUFF
THOM MAYNE
WILLIAM MORRISH
DAVID ORR
MATT PETERSEN
BRAD PITT (CHAIR)
PIERRE ANDRÉ SENDEZGUES
MARION WEISS

TECHNICAL JURY

GLOBAL GREEN USA
WALKER WELLS
BRUCE HAMPTON
US GREEN BUILDING COUNCIL
BILL BROWING
BOB BERKEBILE

E. EKAN MCNAUGHTON
SUSAN MAXMAN

NEIGHBORHOOD OF HOLY CROSS



**GLOBAL
GREEN
USA**

PROJECT TEAM

OWNER:
GLOBAL GREEN USA
MATT PETERSEN
WALKER WELLS
ELIZABETH GALANTE
ROMANA GLODZINSKI

AWA HOLF
RUBEN ARRIAN
JOHN MOORE

DESIGNER:
WORKSHOP/APD
ARCHITECT OF RECORD:
JOHN C. WILLIAMS ARCHITECTS, LLC
LANDSCAPE ARCHITECT:
D.J.R.T. STUDIO

SENIOR SENIOR:
BOB BERKEBILE / BNIM

DEVELOPER:
KATHY LABRODE
DEVELOPMENT CONSULTANT:
CINC ENTERPRISE
DEVELOPMENT CONSULTANT:
FULL SPECTRUM OF NY, LLC
LANDSCAPE ARCHITECT:
CARLOS CASHIO
CONTRACTOR:
LANDIS CONSTRUCTION CO., LLC
HET ENGINEER:
SUPERSYMMETRY USA, INC.

MECHANICAL ENGINEER:
MOSES ENGINEERING
STRUCTURAL ENGINEER:
MORPHY MAKORSKY, INC.
CIVIL ENGINEER:
JULIEN ENGINEERING

ENERGY CONSULTANT:
THINKENERGY, INC.
BUILDING SCIENCE CONSULTANT:
BUILDING SCIENCE CORPORATION

Special Thank You

Cynthia Willard Lewis
Holy Cross Neighborhood Association
Special thanks to the nearly 120 teams
that submitted designs for consideration.

Design Competition Consultants:
Jones | Kolbert Design Services

To view the Sustainable Design Competition
submissions, please visit:
<http://competition.globalgreen.org/gallery/>



**GLOBAL
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USA**



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409

THE GLOBAL GREEN HOUSE
THE HOLY CROSS PROJECT VISITOR CENTER



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WWW.GLOBALGREEN.ORG



FINANCED BY THE

First house/Visitors Center
completed May 2008

A photograph of a modern interior space. On the left is a kitchen with light wood cabinets and a stainless steel refrigerator. In the center is a dining area with a round table and chairs. A wooden staircase with a metal railing leads up from the dining area. The walls are painted a vibrant green, and there are framed pictures on the wall. A potted plant sits on the floor near the stairs. The floor is made of light-colored wood.

Visitors' Center
409 Andry Street, N.O.
Open: Mon & Fri 11 – 4
& Sat 10 – 1





Last two homes
built—first buyer! ↓

Night view of single
family homes



Bioswale Installation Behind Holy Cross Homes



It is estimated that if 50,000 homes destroyed by Hurricane Katrina were rebuilt according to the green standards used in Global Green's design competition, New Orleans residents would save \$38 - \$56 million in energy bills every year and eliminate over 1/2 million total tons of CO2 – the equivalent of taking 100,000 cars off the road.



Build it Back Green

21000 Residents Educated
2800 Homeowners & Residents Assisted
180+ Outreach Events



Global Green
Resource Center
10000+ Visitors



New Orleans
is a DOE Solar
America City



Green Schools
7600+ Students
Impacted



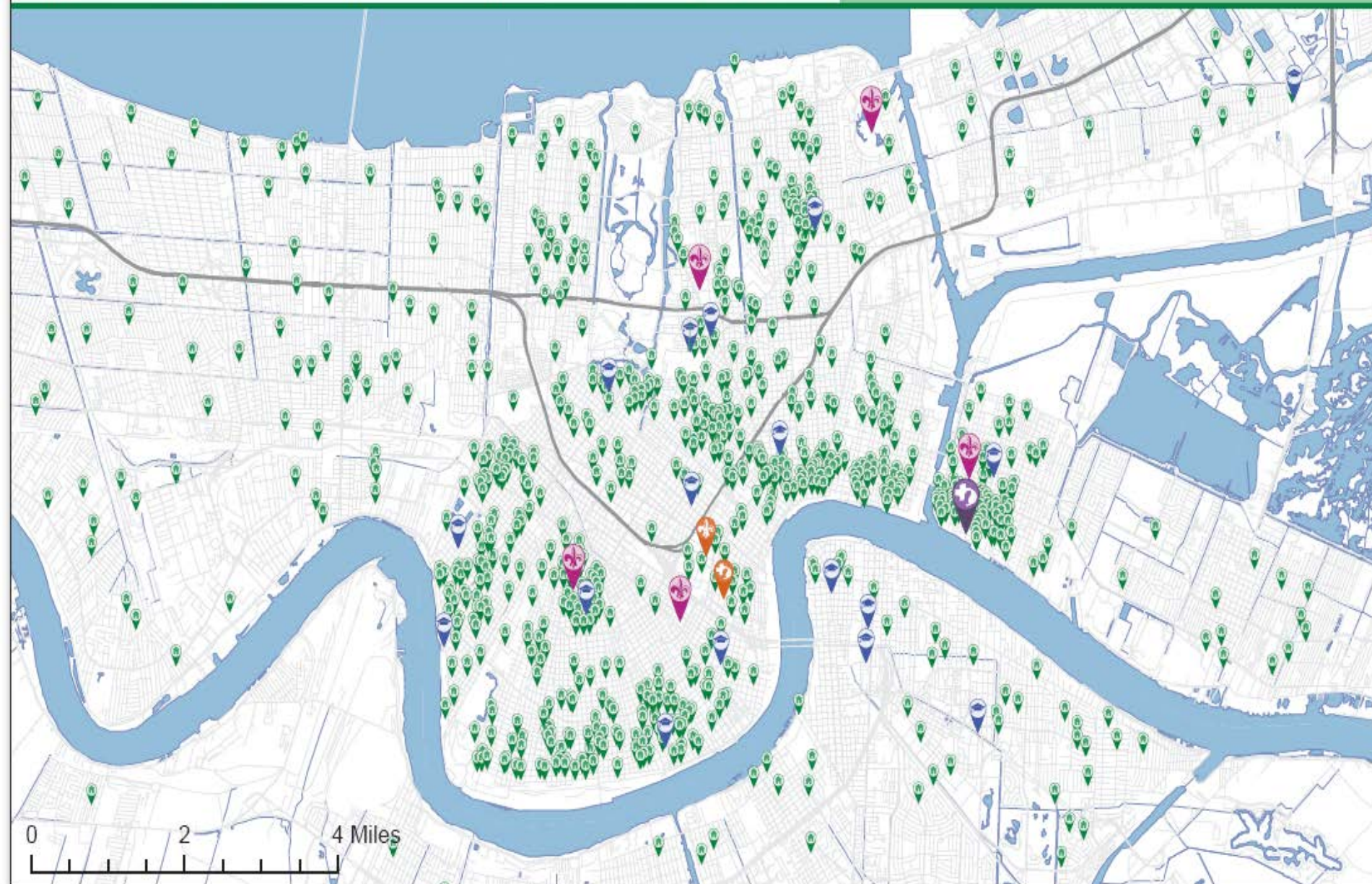
Additional Green
Building Projects



Holy Cross Project

5 Single-Family Homes
18 Unit Apartment Complex
Community and Climate Action Center
21000+ Visitors

The GREENING of Greater New Orleans





GLOBAL
GREEN
U S A

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