



Cost Benefits Utilizing Sustainable Development Principles for the State of Florida

Case Study:

Smart Growth

Educational Transfer to the Public Program



Table of Contents

PAGE

3	About the Foundation
4	Case Study / Educational Transfer
5	Sponsors and Supporters
6	Governmental Participants during the Education Demonstration
7	Case Study Content
8	Public & Industry exposure during the Education Demonstration
9	Energy & Environmental Targeted Technology Transfer to the Public
10	Project location and Site
12	Educational Categories Targeted and Goal Reductions
18	Case Study Workshop Schedule 2005
20	Sponsorship Opportunities



About the Foundation

The Community Greenhouse Foundation was established in 1995 as the Industry Education Alliance in a partnership with the National Home Builders Association.

The mission to create partnerships between industry, education and the construction industry was fulfilled with highly acclaimed programs. In 2002, the importance of Green Sustainable Development for the future of America was identified as a priority.

The foundation's primary goal is to heighten the awareness, serve as a resource and promote projects that will demonstrate the benefits of sustainable development and green building.



Case Study / Educational Transfer

Cost Benefits Utilizing Sustainable Development Principles

The project being utilized for the Case Study is **Riverside Commons**, a commercial development of that will consist of 33,600 sq ft of class A office space divided between two buildings. The project will provide the opportunity for a live and ongoing Educational Model on Sustainable Development for the State of Florida.

Riverside Commons, LLC has agreed to let the Community Greenhouse Foundation utilize this project for the study, due to their belief and support in Sustainable Development. The Riverside Commons development will be the first LEED Certified private sector Green buildings that will demonstrate the technologies and products that promote the values of sustainable development for Brevard County and the State of Florida. The site development and buildings will meet the United States Green Building Council's **LEED** (Leadership in Energy & Environmental Design) criteria and LEED certification along with the Florida Green Building Coalition (FGBC) commercial standards.

The five Acre project site has over 1.3 acres of Wetlands and through the sustainable design goals of the project the wetlands will become one of the main features of the finished site.



Lead Sponsors and Supporters





Governmental Participants

At least 200 community leaders, energy specialists and managers of 100 facilities will receive a 5-page report from CGF describing the projects energy and environmental demonstration agenda.

At least 30 of the agencies receiving the information kit will continue corresponding and schedule a site visit to Riverside Commons and will implement at least 50% of the energy and environmental demonstration agenda principles and products.

During the design and construction process, free workshops will be offered for local builders, community organizations, municipalities and other interested parties to transfer educational information related to the energy, recyclable and environmental impacts the building is producing.



Case Study Content

Case Study

This detailed analysis shall serve as an educational transfer to the public, be continually updated and support the project through the duration of the process. It shall serve as a best practices guide and educational resource after completion.

Studied items shall include: projected cost saving, performance of buildings, energy savings (short and long term), water reduction, construction savings related to recyclable programs utilized during the project and indoor air quality. A list of educational and environmental transfer to the public follows this overview.



Public and Industry Exposure

Workshops and Forum

The Case Study is more than one document and will include several comprehensive workshops and forums, allowing access to the public throughout the entire process. Partnering with several local concerned entities, including municipalities, Not for Profit Organizations, government and business, these workshops will education, raise awareness, demonstrate and prove the case, that Sustainable Development is the best possible way to build.

Completed Case Study

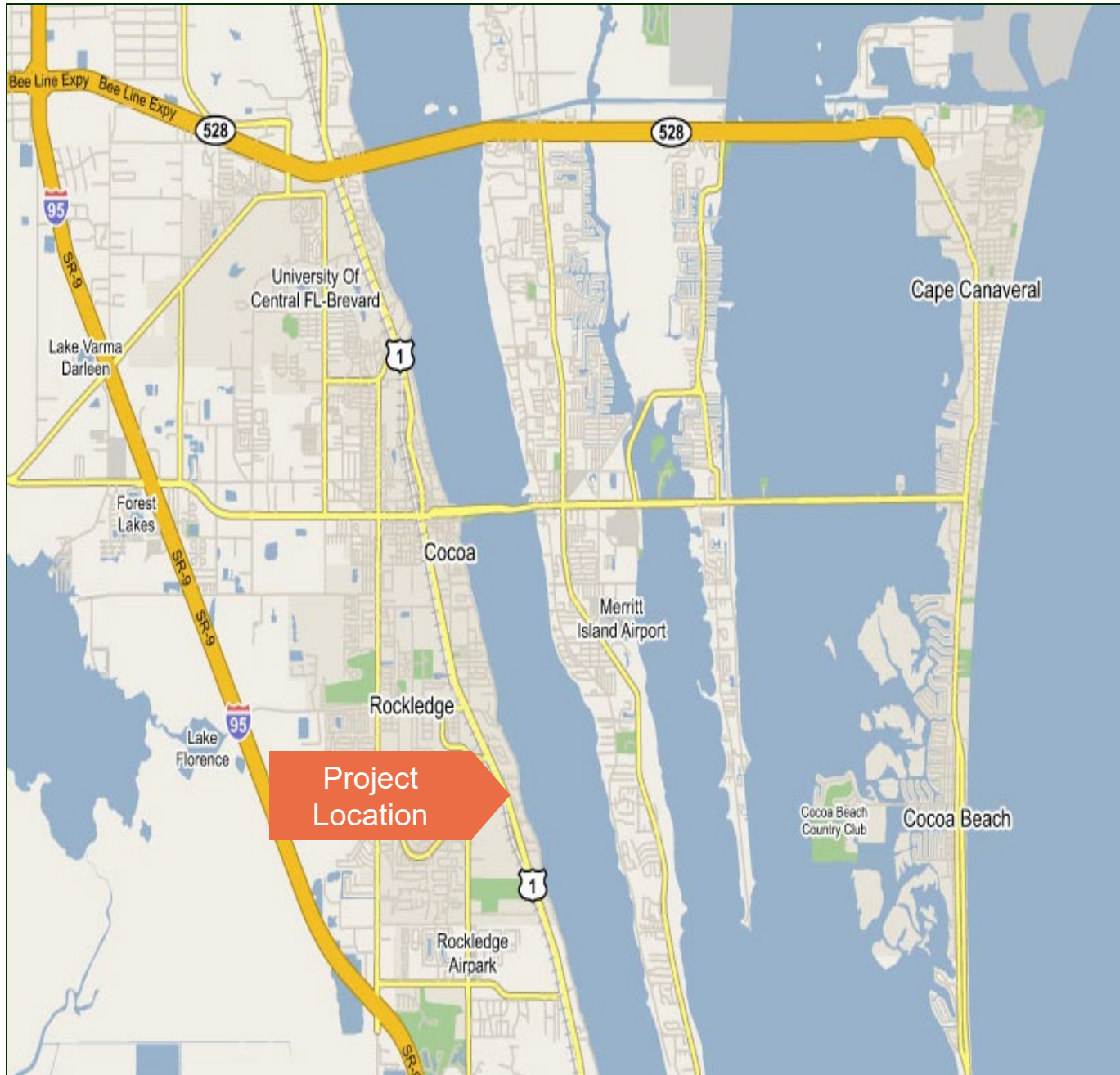
Development does not only entail design and construction, but the living and operations of the structure(s) within its environment and the community at large. This project and case study is designed to promote sustainable development, to show exactly how it is conceived, designed and built, so that others can understand the process, and accelerate adoption of best practices and principles that ensure a more responsibly built environment for the future of Brevard County and the State of Florida.



Energy & Environmental Targeted Technology Transfer to the Public

- Water-Saving Technologies
- Recycled water Technologies
- Building-Related Conservation Measures
- Passive Solar Design
- Solar Water Heating
- Daylight Harvesting
- Zero Net operating Buildings/High performance buildings
- Energy-Efficient products
- PV applications and Net metering
- Recycled product utilization
- Recycled construction waste
- Heat Island Reduction
- Sustainable building products
- Sustainable Site Development
- Recycled Water Irrigation Systems
- Indoor Air Quality Standards and Monitoring

Project Location



The Site





Educational Categories Targeted and Goal Reductions

Sustainable Sites

Target (Reduction)	Goal
Erosion & Sedimentation Control	_____
Development Density	_____
Reduced Site Disturbance	_____
Storm water Management	_____
Heat Island Effect	_____
Light Pollution Reduction	_____



Educational Categories Targeted and Goal Reductions

Water Efficiency

Target
(Reduction)

Goal

Water Efficient Landscaping

Innovative Wastewater Technologies

Water Use Reduction



Educational Categories Targeted and Goal Reductions

Energy & Atmosphere	
Target (Reduction)	Goal
Fundamental Building Systems	_____
CFC Reduction in HVAC&R Equipment	_____
Optimize Energy Performance	_____
Renewable Energy	_____
Ozone Depletion	_____



Educational Categories Targeted and Goal Reductions

Materials & Resources

Target
(Reduction)

Goal

Storage & Collection of Recyclables

Building Reuse

Construction Waste Management

Resource Reuse

Recycled Content

Local/Regional Materials

Rapidly Renewable Materials

Certified Wood



Educational Categories Targeted and Goal Reductions

Indoor Environmental Quality

Target
(Reduction)

Goal

Minimum IAQ Performance

Carbon Dioxide (CO₂) Monitoring

Ventilation Effectiveness

Low-Emitting Materials

Indoor Chemical & Pollutant Source Control

Controllability of Systems

Thermal Comfort

Daylight & Views



Educational Categories Targeted and Goal Reductions

Innovation & Design Process

Target
(Reduction)

Goal

Innovation in Design



2005 Case Study Workshop Schedule

MAY						
M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23/30	24/31	25	26	27	28	29

Date: May 31, 2005

Location:

Time:

Topic: _____

JULY						
M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Date: July 19, 2005

Location:

Time:

Topic: _____

AUGUST						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Date: August 23, 2005

Location:

Time:

Topic: _____



2005 Case Study Workshop Schedule

OCTOBER						
M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24/31	25	26	27	28	29	30

Date: October 18, 2005

Location:

Time:

Topic: _____

NOVEMBER						
M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Date: November 17, 2005

Location:

Time:

Topic: _____

DECEMBER						
M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Date: December 20, 2005

Location:

Time:

Topic: _____

Sponsorship Opportunities

Gold Leadership Sponsor \$40,000



- Full color Company/Organization name with logo and link to Company/Organization on live updated virtual project page hosted on CGF website.
- Company/Organization name with logo on monthly workshop material handouts.
- Company/Organization/product listing with logo on the “Project Case Study Site sign.”
- Company/Organization Mention and recognition at all workshops.
- Recognition as Anchor sponsor of ONE of the monthly workshops with opportunity for 15 minuet presentation about company/organization.
- Company/Organization with logo on all material handouts and productions at events including trade shows CGF participates.
- Access to the full workshop attendee and registration list.
- Mention/recognition at all workshops and promotions.
- Mention/recognition on the CGF website with industry listing and link to Company/Organization web site.
- Mention/recognition e-mail blast and monthly newsletters

Sponsorship Opportunities

Silver Leadership Sponsor \$20,000



- Full Color Company/Organization with logo and link to Company/Organization name on live updated virtual project page hosted on CGF website.
- Full Color Company/Organization name on monthly workshop material handouts.
- Company/Organization/product listing on the “Project Case Study Site sign.”
- Company/Organization Mention and recognition at all workshops related to Case Study.
- Company/Organization on all material handouts and productions at events including trade shows CGF participates for Case Study.
- Access to the full workshop attendee and registration list.
- Mention/recognition on the CGF website with industry listing and link to Company/Organization web site.
- Mention/recognition e-mail blast and monthly newsletters



Sponsorship Opportunities

Green Leadership Sponsor
\$10,000



- Company/Organization name on live updated virtual project page hosted on CGF website.
- Company/Organization name on monthly workshop material handouts.
- Company/Organization on the "Project Case Study Site sign."
- Company/Organization on all material handouts and productions at events including trade shows CGF participates for Case Study.
- Access to the full workshop attendee and registration list.
- Mention/recognition on the CGF website with industry listing and link to Company/Organization web site.
- Mention/recognition e-mail blast and monthly newsletters

Sponsorship Opportunities

Community Leadership Sponsor
\$ 5,000



- Company/Organization name on live updated virtual project page hosted on CGF website.
- Company/Organization name on monthly workshop material handouts.
- Company/Organization listing on the “Project Case Study Site sign.”
- Access to the full workshop attendee and registration list.
- Mention/recognition on the CGF website
- Mention/recognition e-mail blast and monthly newsletters



Thank you for your time and consideration

Richard Evans, CEO and President,
Community Greenhouse Foundation, Inc.
a Florida 501(c)3, not for profit corporation.

Cost Benefits Utilizing Sustainable Development Principles for the State of Florida

Case Study:

Smart Growth

Educational Transfer to the Public Program

Contact information:

Richard W. Evans - President & CEO
revans@communitygreenhouse.org
407-782-9881

Eric Needle - Director of Marketing
e@giant3.com
321-757-8909

Community Greenhouse Foundation
Corporate
4306 Clubside Drive • Longwood, FL 32779