A Green Florida for a Blue Planet

Greening Florida’s Cities and Counties
The FGBC Mission

“To provide a statewide green building program that defines, promotes, and encourages sustainable efforts with environmental and economic benefits.”
Encourage green building in Florida through:

- **Consensus Based Voluntary** Green Standards
- Green **Guidelines** and Tools
- **Education** and Promotion including Annual GreenTrends Conference
- Supporting **Local Government Provided** Incentives for Green Initiatives (such as those provided by the City of Gainesville and Sarasota County)
Why Build Green?

Certified green projects are:

- More energy and water efficient
- Safer and more durable
- Healthier to live in
- Less expensive to operate and maintain
- Affordable to build

A Green Florida for a Blue Planet
Define Green Building Through FGBC Standards

Homes  Developments  Cities and Counties  Commercial and Public  High Rise Residential

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Promote Green Building Through Workshops

Local government workshops help unite a community in green building efforts.
Currently:
- 1,830 Green Homes Certified
- 26 Green Local Governments
- 63,000 acres of Green Developments
Voluntary

Criteria are specifically developed for Florida climates, unlike national programs

Provide a third-party independent verification that significant green practices have been achieved

These are “Point-Based” Green Rating Systems that utilize “Checklists” to determine compliance
What are the Benefits Of Adopting Green Standards?

- Measurable CO2 reduction
- Established and Tested Guidelines – don’t need to spend resources reinventing the wheel
- Elected Officials and Staff recognized as Leaders
- Reduced operating costs
- Resource efficiency could postpone or reduce future capital outlays
- Consumer protection – Independent third party certification
Endorsed by:

• the Florida League of Mayors
• the Florida League of Cities
• the Florida Legislature
Purpose

- Provide local governments with a “tool box” to help them evolve into sustainable communities.
- Foster communication between various departments to better achieve common goals.
- Educate people within the community.
- Increase number of green homes, commercial buildings, and land developments.
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Recognition and Statewide publicity may create an avenue to receive grants or make an application more competitive.

Eventual statewide incentives?

• **Undertaking the Process**
  - Identify areas of potential cooperation.
  - Provides guidance for achievement of goals.

• **Certification**
  - Recognition and Statewide publicity
  - Designation may create avenue to receive grants or make an application more competitive.
  - Eventual statewide incentives?
FGBC Certified Green Local Government

\textbf{Results}

Green Local Governments function more efficiently.

- $$ savings
- Effective risk and asset management
- Better internal communication

Green Local Governments catalyze community involvement.

- Enhanced economy
- Greater environmental benefits
- Citizens and government work to create a "sense of place"

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Implementation Process

- Obtain local government commitment
- Establish coordinator
- Determine applicable criteria
- Undertake evaluation process – with team
- Assemble application package
- Evaluation by FGBC
- Designation awarded
Local Government Commitment

✓ **Top-down support** for green local government standard and commitment to the environment in general is **essential**

✓ **Mission statement, resolution, ordinance**

✓ Incorporated into Comprehensive Plan
Establish Coordinator

- Local government “point” person to act as champion:
  - Points available for dedicating a person, group, or office to take on responsibility
  - Champion does not need to be in-house, but still needs in-house support
  - FGBC assigns its own point person, who can also help with commitment step
# Pre-Application Form

## Florida Green Local Government Standard
Pre Application Form

**1. Local Government Information**

<table>
<thead>
<tr>
<th>Local Government Name:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Coordinator Name:</td>
<td></td>
</tr>
<tr>
<td>Coordinator Address:</td>
<td></td>
</tr>
<tr>
<td>Coordinator Phone:</td>
<td></td>
</tr>
<tr>
<td>Coordinator Fax:</td>
<td></td>
</tr>
<tr>
<td>Coordinator Email:</td>
<td></td>
</tr>
</tbody>
</table>

**2. Application Fee**

<table>
<thead>
<tr>
<th>Population</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 20,000</td>
<td>$1,500</td>
</tr>
<tr>
<td>20,000 - 100,000</td>
<td>$2,000</td>
</tr>
<tr>
<td>&gt; 100,000</td>
<td>$4,500</td>
</tr>
</tbody>
</table>

Total Application Fee: 

Deposit paid at this time: 

Total due with final application: 

**3. Agreement**

I have read the entire standard and will abide by the policies it contains. I understand that this deposit allows FGBC, Inc. to assign a project evaluator to provide information regarding documentation needed to verify points. I plan to submit the necessary documentation for any credit points I am claiming. Failure to earn a designation will not be grounds for refunding of the deposit. I have the authority to sign for the local government.

Printed Name: 

Title: 

Signature: 

Date: 

---

Population based on 2000 US Census 

Minimum deposit for Pre Application Submitted is $500 Please make check payable to Florida Green Building Coalition, Inc.
Criteria Applicability

- Coordinator determines which criteria apply:
  - Determines the maximum applicable points
- Assembles a “team” of department representatives to help
- FGBC provides spreadsheet tool to assist
**FGBC Green Local Government Standard: Categories**

<table>
<thead>
<tr>
<th>Building &amp; Development</th>
<th>Water &amp; Wastewater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planning and Zoning</td>
<td>Public Transportation</td>
</tr>
<tr>
<td>Public Works &amp; Engineering</td>
<td>Energy Utility</td>
</tr>
<tr>
<td>Parks &amp; Recreation</td>
<td>Solid Waste</td>
</tr>
<tr>
<td>Natural Resources Management</td>
<td>Agriculture &amp; Extension Service</td>
</tr>
<tr>
<td>Administration</td>
<td>Tourism</td>
</tr>
<tr>
<td>Human Resources</td>
<td>Ports &amp; Marinas</td>
</tr>
<tr>
<td>Information Services</td>
<td>School Board</td>
</tr>
<tr>
<td>Housing &amp; Human Services</td>
<td>Property Appraiser</td>
</tr>
<tr>
<td>Economic Development</td>
<td>Tax Collector</td>
</tr>
<tr>
<td>Emergency Management / Public Safety</td>
<td></td>
</tr>
</tbody>
</table>

*FGBC A Green Florida for a Blue Planet*
Expected Stewardship

• **Lead by Example:** Green processes that the municipality commits to in-house.

• **Control:** Incentives, regulations, or ordinances that foster green building.

• **Educate:** Steps taken to educate municipality staff, local industry professionals, and citizens.
Implementation Meeting

- Meet with representatives of the “team” to discuss where the local government stands

- Questions and Answers:
  - Have we achieved a level?
  - What do we already have planned?
  - What else can we consider?
  - How can we work together?
<table>
<thead>
<tr>
<th>Credit Name</th>
<th>Maximum Possible Points</th>
<th>Maximum Applicable Points</th>
<th>Credit Points Achieved</th>
<th>Actual Department Name</th>
<th>Responsible Person Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>A3 Reduce greenhouse gas emissions</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>Information Services</td>
<td>Carrie</td>
</tr>
<tr>
<td>A3a Participate in Cities for Climate Protection Campaign</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A3b Alternative Fuel Vehicle purchase</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>Natural Resources Management</td>
<td>Erin</td>
</tr>
<tr>
<td>A4 Build, renovate, and maintain green government buildings</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>Ports and Marinas</td>
<td>Don</td>
</tr>
<tr>
<td>A4a Become a member of FGBC</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>Parks and Recreation</td>
<td>Kelly</td>
</tr>
<tr>
<td>A4b Become a member of USGBC</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>Planning and Zoning</td>
<td>Cathy</td>
</tr>
<tr>
<td>A4c Construct LEED or FGBC certified buildings or renovate for LEED EB or CI</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>Ports and Marinas</td>
<td>Don</td>
</tr>
<tr>
<td>A4d Employ green cleaning and maintenance procedures</td>
<td>5</td>
<td>5</td>
<td>3</td>
<td>School Board</td>
<td>Richard</td>
</tr>
<tr>
<td>A5 Dedicate personnel to green municipal process</td>
<td>3</td>
<td>0</td>
<td>0</td>
<td>Public Transportation</td>
<td>Dave</td>
</tr>
<tr>
<td>A6 Green local government buildings ordinance</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>Public Works and Engineering</td>
<td>Jeff</td>
</tr>
<tr>
<td>A6a Adopt an green standard as official minimum criteria for new govt. buildings</td>
<td>10</td>
<td>0</td>
<td>0</td>
<td>School Board</td>
<td>Todd</td>
</tr>
<tr>
<td>A6b Adopt green cleaning/maintenance practices available from DEP</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>Solid Waste</td>
<td>Chris</td>
</tr>
<tr>
<td>A6c Enact green landscaping ordinance for local government buildings</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>Water and Wastewater</td>
<td>Lisa</td>
</tr>
<tr>
<td>A7 Community education</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A8 Staff education</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>No Department Selected</td>
<td>Erika</td>
</tr>
</tbody>
</table>

Maximum Possible Points Total: 54

Maximum Applicable Points Total: 13

Credit Points Achieved Total: 10
Administration

- Develop a mission statement to focus on the environment
- Join FGBC, USGBC or become a US EPA Energy Star Ally
- Participate in Cities for Climate Protection Campaign
Agriculture & Extension

✓ Maintain active FY&N program

Florida Yards & Neighborhoods (FYN) is an environmental educational program of the University of Florida Extension informing homeowners how they can be more environmentally friendly with their landscape practices, helping to protect Florida's natural environment for future generations.

The objectives of Florida Yards & Neighborhoods programs are to:
• reduce stormwater runoff
• decrease non-point source pollution
• conserve water
• enhance wildlife habitat
• create beautiful landscapes.
Provide incentives for green building projects

Conduct a green building awards program
Local Governments can Create Incentives

- **Sarasota County Resolution 2006-174**
  - Rezone or special exception petitions for a proposed “Green Development”
  - Site plans for a proposed “Green Development” processed in 10 working days.
  - Building permit applications for certified green buildings processed in 3-5 days with discount.

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Local Governments can Create Incentives

Miami-Dade County Targeted Jobs Incentive

- Relocation of a business to Miami-Dade
- $1,000 bonus if operating in a green building
- $500 bonus if renewable energy
- $1,500 bonus if business is solar related
- Bonuses are per new job created
Create Partnerships
To Maximize Your Programs

**Economic Dev. & Tourism**
- Incentives for location of green businesses within the city/county

**Energy Utility**
- Offer energy audits

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Create an education campaign for mitigation
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Human Resources

✔ New employee orientation - include government commitment to the environment

New Employee Training

• Mission Statement
• Recycling Program
• Energy Efficiency Program
• Alternative Fuel Fleet
 Operate Website dedicated to green city/county program
Public beaches adhere to Blue Wave Criteria

The Blue Wave Campaign is America’s first environmental certification for beaches. The goal of Blue Wave is to promote beach sustainability through public awareness and voluntary participation.

Blue Wave beaches pledge to uphold these beach management practices:
• Water quality
• Beach and intertidal conditions
• Hazards
• Services
• Habitat Conservation
• Public information and education
• Erosion management

Over 40 resort and rural beaches certified in Florida.
FGBC Green Local Government Standard: Planning & Zoning Department

Maintain a bicycle/pedestrian coordinator on staff

Bicycle and Pedestrian Program

Bicycle & Pedestrian Events

Education Program
- Bicycle Rodeo's
- Education Program
  - ***Upcoming Events***

Project Planning Program

The bicycle/pedestrian project planning program encompasses many areas. The purpose of the project planning program is to coordinate with all jurisdictions the development and construction of sidewalks, bike paths, and linear parks. The bicycle/pedestrian program coordinator remains involved in all aspects of a projects development, including road improvement projects, to ensure that each project design is consistent with its surrounding area and has considered sidewalks and bike paths when appropriate.
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Property Appraiser/Tax Collector

✓ Tax incentives for lands qualifying as historic, high water recharge, greenbelt, etc.

Resolution: Tax breaks for High Water Recharge
Lands preserved as such
**FGBC Green Local Government Standard: Ports & Marinas**

**Take part in Florida’s Clean Marina program.**

**Advantages to Being a ‘Clean Marina’**
- Protecting the environment with less regulatory process
- Clean water is a direct link to the future of the marine industry
- Healthy environment for marine life and people
- Recognition as a good community neighbor
- Creating a more pleasant boating environment
- Attract and keep customers

**Petroleum** • **Fish Waste** • **Emergencies** • **Hazardous Waste**
**Habitat** • **Sewage** • **Boat Cleaning** • **Stormwater**
**Liquid Waste** • **Fire Safety** • **Solid Waste** • **Hurricane**

Over 100 marinas and boat yards certified in Florida
Public Transportation

✓ Utilize alternative fuels for fleet

Hydrogen Shuttle Bus

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Become a Tree City USA

The Four Standards of a Tree City USA

1. A Tree Board or Department
   - To qualify for Tree City USA, a town or city must meet four standards established by The National Arbor Day Foundation and the National Association of State Foresters.

2. A Tree Care Ordinance

3. A Community Forestry Program With an Annual Budget of at Least $2 Per Capita
   - These standards were established to ensure that every qualifying community would have a viable tree management plan and program.

4. An Arbor Day Observance and Proclamation
   - It is important to note that they were also designed so that no community would be excluded because of size.
FGBC Green Local Government Standard: School Board

Operate and maintain a green fleet program

Source Reduction
- Inventory Control.
- Reduce # parts washers saves $1440 / year.
- Reduce fleet size with high capacity buses.
- Replace transmission fluid with engine oil to increase vehicle life and reduce the number of inventoried items.

Waste Minimization
- Replace oil-water separator.
- Underground pipeline feeds separator.
- New engine steam clean area containment.
- Reduced wastewater disposal by 6330 gal/month.
School Board

✓ Involve students in green projects within the school

Anti-Idling Campaign at School
Solid Waste

✓ Landfill gas recovery

In Orange County during 2007 – approximately 1.4 billion cubic feet of landfill gas utilized for energy generation
Water Efficient and Native Landscapes
Offer home and business audits

How can the Mobile Irrigation Laboratory help?

The more efficiently irrigation water is applied, the less time it takes. By measuring the system uniformity, flow rates, pressure, and evaluating the soil conditions, the MIL operator can work with the homeowner to solve common problems. All evaluations are summarized in a detailed report sent to each homeowner or property manager.
Green Building Practices
Begin with the Land
Application Package

✓ Submitted to FGBC

✓ Use spreadsheet tool to create custom checklist and final application form

✓ Work with FGBC project evaluator to include documentation such that FGBC can evaluate

Florida Green Local Government Standard

Final Application Form

Submit this form along with an electronic copy of the entire spreadsheet or a printout of all "sheets" except the "Filter Tool". Also include all documentation necessary to determine compliance.

1. Local Government Information

Local Government Name:

Coordinator Name:

Coordinator Phone:

Coordinator Email:

2. Point Totals

<table>
<thead>
<tr>
<th>Category</th>
<th>MAP</th>
<th>DPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td></td>
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<tr>
<td>B</td>
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<td>C</td>
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<td>J</td>
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</tr>
</tbody>
</table>

Total Maximum Applicable Points: ●
Total Credit Points Achieved: ●

3. Agreement and Application Fee

I have read the entire standard and all rules by the policy it contains. I understand that the fee allows an FGBC project evaluator to decide whether a designation will be awarded. I understand that no designation will be awarded until all documentation deemed necessary by the evaluator is submitted and that the fee is non-refundable, as it FGBC, Inc. reserves the right to revoke the designation according to the policies and terms in this standard. I have the authority to sign for the local government.

Printed Name:

Title:

Signature:

Date:

 FGBC  

A Green Florida for a Blue Planet
**Spreadsheet Tool**

365 points available in 19 categories

How many points apply to my city/county?

How many points can my city/county achieve?

Calculate a percentage

Determines certification level

**Florida Green Local Government Standard Final Application Form**

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<tr>
<td>J</td>
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<td>0</td>
</tr>
</tbody>
</table>

Total Maximum Applicable Points: 365

Total Credit Points Achieved: 0

Percent of Maximum Applicable Points Total: 0%

(Registered level requires documentation of intent to achieve Silver level or above within 3 years.)

**A Green Florida for a Blue Planet**
FGBC Florida Specific Green Database

- Search for:
  - Green Products
  - Green Building Projects
  - Green Developments
  - Green Professionals
  - Green Governments

- Database is free and available on the FGBC website.
Green Products

Below is a complete listing of providers of GREEN PRODUCTS currently on file.

To narrow your search, select the additional search criteria shown above the listing and then click on the "Submit" button. A filtered list will then be shown below the criteria.

This listing is provided to help promote the green industry in Florida but inclusion of any provider, its services or products, does not represent an endorsement of the provider by FGBC. FGBC does not warrant or make any claim as to the suitability of this provider and is not liable for any consequences or damages arising from use of this provider, its services and/or its products. Information contained herein is believed reliable but not guaranteed as accurate.

<table>
<thead>
<tr>
<th>Product</th>
<th>Company</th>
<th>Green Attribute</th>
</tr>
</thead>
<tbody>
<tr>
<td>Board Insulation</td>
<td>Tenneco Building Products</td>
<td></td>
</tr>
<tr>
<td>Cotton Insulation</td>
<td>Greenwood Cotton Insulation</td>
<td></td>
</tr>
<tr>
<td>Loose-Fill Insulation</td>
<td>Tennesse Cellulose, Inc.</td>
<td></td>
</tr>
<tr>
<td>Loose-Fill Insulation</td>
<td>Suncoast Insulation Manufacturing Co.</td>
<td></td>
</tr>
<tr>
<td>Polystyrene Inserts</td>
<td>West Materials, Inc.</td>
<td></td>
</tr>
</tbody>
</table>

The initial data in this database was compiled through a survey conducted by Kessler Consulting, Inc. under a grant provided by the Florida Department of Environmental Protection. FGBC is continually expanding the database and is responsible for its maintenance.

If you would like to add your services or product to this database, please send an email to database@floridagreenbuilding.org describing your service or product and attaching any relevant brochures or marketing information.
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Thank You

You can download the Standards and search the Database at:

www.FloridaGreenBuilding.org