



FGBC



FLORIDA GREEN  
BUILDING COALITION

A Green Florida for a Blue Planet



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BUILDING COALITION

*Join Us #FloridaGreen*

*Promoting a State of Sustainability Since 2000*





# Green Building Workshop

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**Executive Director**

**Florida Green Building Coalition**



# Greater Fort Lauderdale Alliance

- About FGBC
- Creating a State of Sustainability
- Florida Green. Build It. Live It.
- What is Florida Green?
- FGBC Florida Green Certification
- Q&A



# About Florida Green

- Founded in 2000, the Florida Green Building Coalition is a nonprofit 501(C)3 Florida corporation dedicated to improving the built environment.
- The mission is to lead and promote a state of sustainability with environmental, economic, and social benefits through regional education, information, grassroots outreach and certification programs.



# About Florida Green

- With over 18,000 certifications to date, FGBC is by far the largest certifier of green homes, communities and local governments in Florida.
- Florida Green are the only standards developed with Florida-specific criteria. They address Florida's hot-humid climate, environment, topography and natural disasters.

# Why FGBC?

## Why consider FGBC?

**We are Florida.** National programs like USGBC LEED, Green Globes and the National Green Standard also moves projects towards environmentally-friendly building. But, Florida Green are the only standards developed with climate-specific criteria. They address the state's hot-humid environment, unique topography and natural disasters.

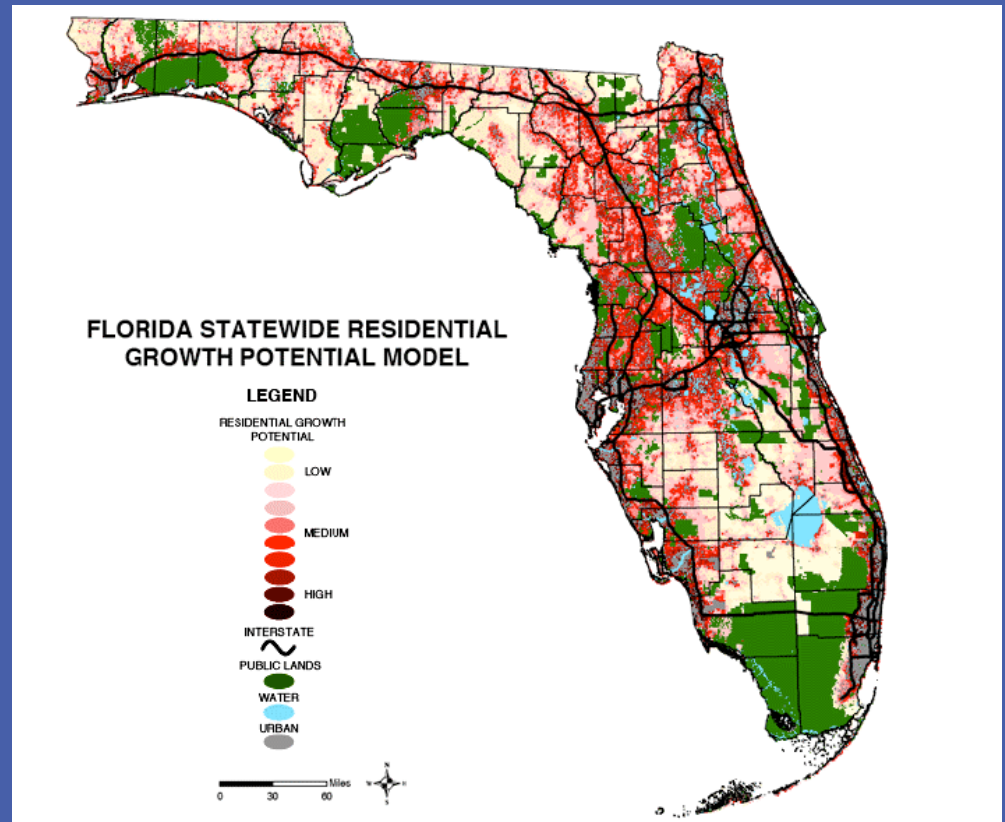
**We are a resource.** FGBC's certification process, including lower fees, is often more affordable than other certifications. The free market aspect of certifiers and evaluators not only keep costs low but streamlines the process of Going Green. The five green certifications are powerful because they complement one another and provide guidance and a valuable resource throughout the process. **Learn more by contacting the Florida Green Building Coalition @ (407) 777-4919 or email [info@floridagreenbuilding.org](mailto:info@floridagreenbuilding.org).**

Organization/Founded Web Site	Geographical Criteria	Types	Total Florida Certified Projects (as of)	HQ	Endorsements
Florida Green Building Coalition (2000) <a href="http://www.floridagreenbuilding.org">www.floridagreenbuilding.org</a>	Florida	Single-Family Homes Local Governments Multifamily Land Developments Hi-Rises Commercial	18,107 (2018)	Orlando	Florida Legislature Florida League of Cities Florida League of Mayors Florida Association of Counties (Pending)
<b>Other Certifications</b>					
Green Globe (2004) <a href="http://www.greenglobe.com">www.greenglobe.com</a>	International	New Construction Existing Buildings Interiors	124 (2018)	Los Angeles	Department of Defense (DoD)
National Green Building Standard™ (NGBS) (2008) <a href="http://www.ngbs.com">www.ngbs.com</a>	National	Single-Family Homes Multifamily Buildings Land Developments	1,058 (2018)	Upper Marlboro, Md.	American National Standards Institute (ANSI).
U.S. Green Building Council (USGBC) (1993) <a href="http://www.new.usgbc.org">www.new.usgbc.org</a>	International	Homes Multifamily Commercial Cities/Communities	1,422 (2017)	Washington, D.C.	U.S. Conference of Mayors

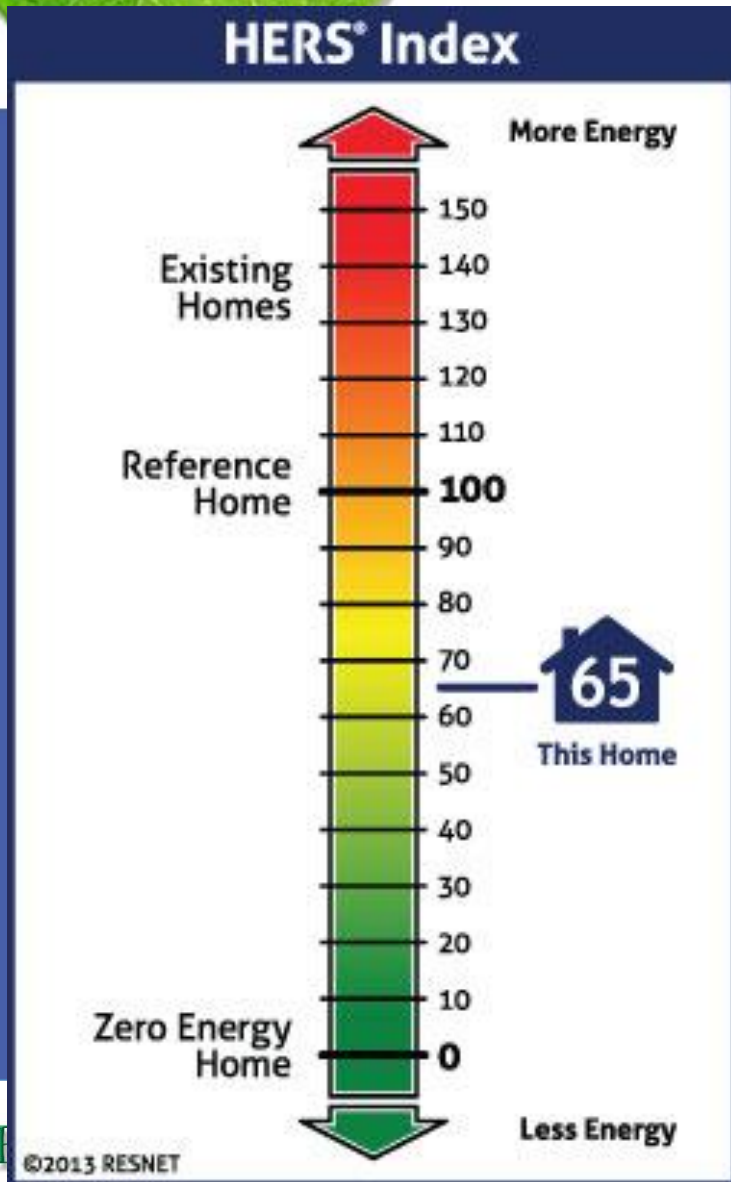
# Creating a **State** of Sustainability

Projected home expansion by 2020

2-3 Million acres of aquifer recharge lands will be developed



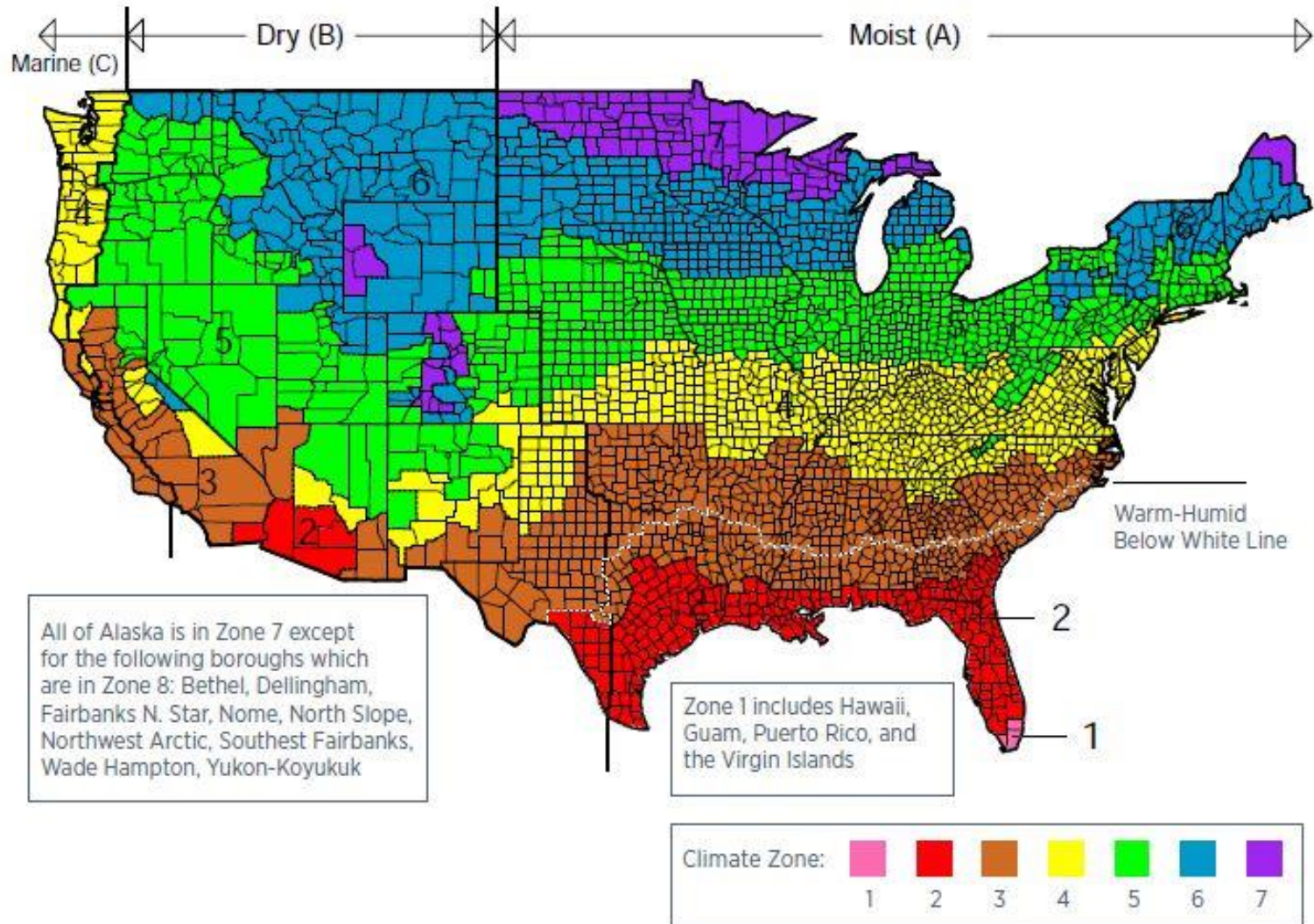
# What is a HERS Index?



Energy Gauge USA / HERS Index		
Envelope		
Floors	Windows	Roof
Foundation type	# & size of windows	Roof Configuration / Slope
Insulation value	Tint / U-factor	Roof Material / Color
Perimeter / Area	Type of Frame	Attic Details
Floor covering	Overhang details	Conditioned ceiling Area
Walls	Ceilings	Solar absorbance
Orientation	Ceiling style	Roof deck insulation level
Area	Insulation value	Radiant barrier system
Insulation value	Area	Attic Ventilation ratio
Doors	Garage	Infiltration
Door Area / U Value	Attached or not	Building envelope leakage
Equipment		
Hot Water	Ducts	Appliances and Lights
Type / location	Insulation value	Programmable Thermostat
Efficiency	Duct Location	Refrigerator
Daily usage	Air Handler Location	% fluorescent lighting
Set Temperature	Amount of leakage	Ceilings fans
Solar or heat recovery	Duct surface area	Dishwasher
Cooling	Heating	Photovoltaic's
System Type	System Type	Array
Capacity	Efficiency	Inverter
SEER	Capacity	Batteries



# Climate Specific Requirements



All of Alaska is in Zone 7 except for the following boroughs which are in Zone 8: Bethel, Dellingham, Fairbanks N. Star, Nome, North Slope, Northwest Arctic, Southeast Fairbanks, Wade Hampton, Yukon-Koyukuk

Zone 1 includes Hawaii, Guam, Puerto Rico, and the Virgin Islands



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*Build it. Live it!*

*Presented by the Florida Green Building Coalition*  
[www.FloridaGreenBuilding.org](http://www.FloridaGreenBuilding.org)



# Why Go Florida Green?

## Certified Green Projects Are:

- More energy and water efficient
- Safer and more durable
- Healthier & more comfortable to live in
- Less expensive to operate and maintain
- Affordable to build
- And utilize latest technology and building science





# Benefits of Building Florida Green

## Homebuyer

Enhances indoor air quality

More energy & water efficient

Safer and healthier to live in - more durable

Less expensive to operate & maintain

Increases mortgage money

## Builder

Gain valuable promotion and advertising

Differentiates your home from the competition

Green homes are viewed as better quality

Increase customer referrals

Enhances market value

## Community

Conservation of water resources

Improved stormwater and waste management

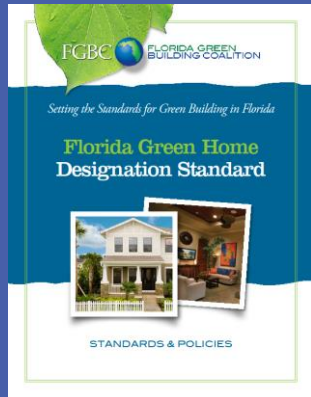
Provides affordable housing

Reduced capital outlay for energy & water

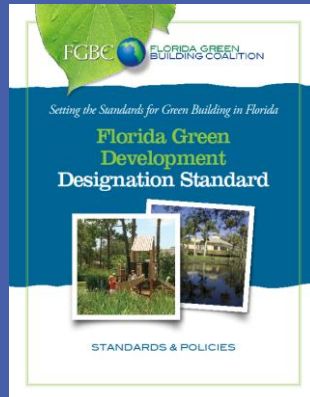
Measurable CO2 Reduction

# FGBC's Florida Green Certification

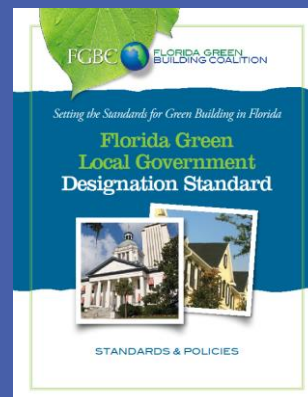
## FGBC Has Developed 5 Standards



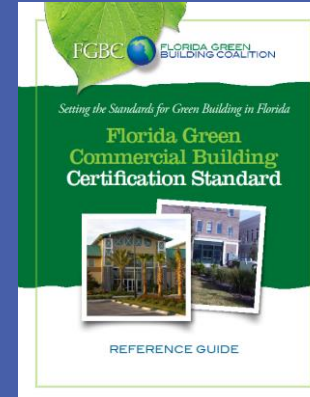
Homes



Developments



Local  
Government  
Cities/Counties



Commercial



High Rise  
Residential



# Single-Family Homes

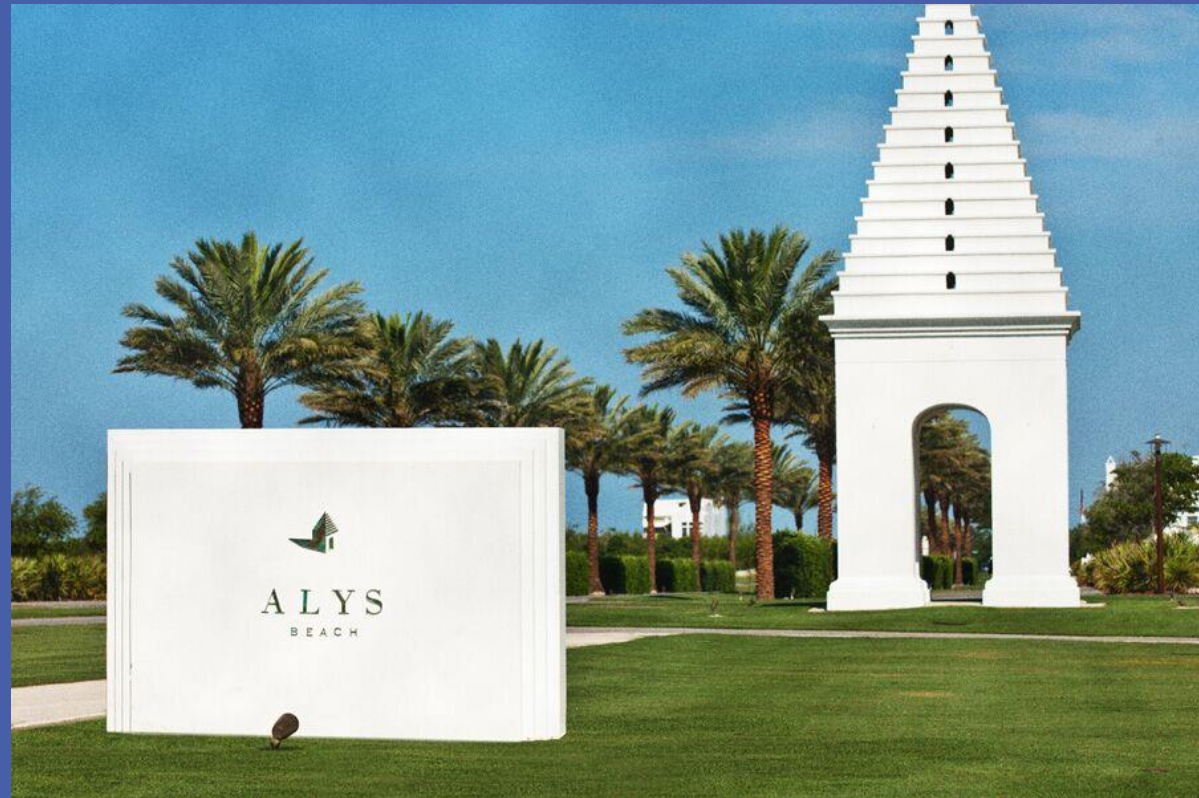


FGBC guides home builders through four levels of green certification, ranging from Bronze to Platinum. The standards are flexible. Builders collect points across multiple categories, such as energy efficiency, water conservation, health, site selection, land preservation, durable and/or recycled materials, and disaster mitigation.

# Land Developments

FGBC assists land developers through the process of selecting “Florida Green” features throughout the community that benefit the environment while providing long-term value to the project.

- Alys Beach
- Lakewood Ranch
- Babcock Ranch



# Local Government



To earn “Florida Green” certification, a local government, county or city, must meet the requirements of a list of comprehensive criteria earning a minimum level of points, organized in terms of department functions. It focuses on improving environmental performance through a number of elements including energy, water, air, land and waste.





# Commercial Buildings

The FGBC Green Commercial Building Standard encourages building owners to adopt green and sustainable strategies during the design and construction of their project and to receive recognition for their efforts. The standard covers all commercial occupancies listed in the Florida Building Code.



# High-Rise Residential

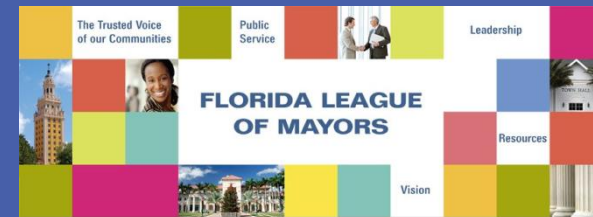


Wisdom Village Crossing, a 105-unit mid-rise, is a “Florida Green” project that completed a technically rigorous building assessment and construction process to promote design and construction practices that reduce the negative environmental impacts of the building, improve occupant health and well-being, and reduce operating costs for the owner.

# FGBC's Success Story

FGBC Standards are endorsed by:

- The Florida Legislature
- The Florida League of Cities
- Florida League of Mayors
- The Florida Home Builders Association





# 'Florida Green' by the Numbers

18,174 Projects Certified

- 17,871 'Florida Green' Homes
- 20 Commercial Buildings
- 14 Land Development Projects
- 74 Local Governments
- 35 Hi-Rise Residential Buildings



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**For More Information**

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