



fgbc

# Florida Green Building Coalition, Inc.

“To provide a Florida green building designation resulting in environmental and economic benefits.”

## Florida Green Home Standard Checklist

Schedule A, Version 4.0

January 1, 2005– December 31, 2005

**NEW HOME REQUIREMENTS:** Select measures to obtain the minimum number of points listed for each category. The sum of the minimums totals 180 points. Accumulate at least an additional 20 points of your choice to qualify for the program. If any category minimums cannot be achieved, point deficiencies may be made up by adding the deficiency to the total minimum score of 200. (Example: Applicant elects to achieve only 10 points from a category with a minimum of 15. Applicant may still qualify if total points equal or exceed  $200 + [15-10] = 205$ .) Note that category maximums cannot be exceeded at any time.

**EXISTING HOME REQUIREMENTS:** Same as for **NEW HOME** except no minimum point requirement in the Materials and Site categories.

**PREREQUISITES:** At least one measure from each of the following Waterfront Considerations and Swimming Pool/Spa Prerequisite lists must be incorporated:

**Prerequisite 1: Swimming Pool / Spa**

- Sanitation system that reduces/eliminates chlorine use (salt water, ionization, etc.)
- Pool cover
- Solar pool heating system
- X Efficient pool pumping
- Swimming pool/spa free house

**Prerequisite 2: Waterfront Considerations**

- Use of native aquatic vegetation in shoreline area
- Low maintenance plants placed between lawn and shoreline; no turf adjacent to water
- Use of terraces, swales, or berms to slow storm water movement into water body
- X Home site does not border natural water body

**Category 1: Energy (Building Envelope/Systems)**

Points Achieved	Points Possible	Criteria
<b>Code/Ratings</b>		
100	100	Meet Florida Energy Code (HERS=82)
50	5-50	Confirmed Florida HERS Rating (attach)
		5 pts for every HERS pt above 82
<b>HERS rated homes are given credit for features including:</b>		
		<i>Efficient a/c and heat</i> <i>Solar or efficient water heating</i>
		<i>Proper orientation</i> <i>Ducts sealed or in conditioned space</i>
		<i>Efficient windows</i> <i>Insulation quantity and type</i>
		<i>Radiant barrier</i> <i>Envelope sealing</i>
<i>For complete explanation of HERS Rating, see Ref. Guide</i>		
<b>Design</b>		
<u>    </u> 1	1	Document proper sizing of HVAC system
<u>    </u> 1	1	Cross vent and ceiling fans code credits
<u>    </u> 1	1	Min 100ft <sup>2</sup> roofed porch min 3 sides open
<u>    </u> 1	1	Passive solar space heat system
<u>    </u> 1	1	Passive solar day-lighting
<u>    </u> 1 - 4	1 - 4	House shaded on east and west by trees
<u>    </u> 1	1	Washer and dryer outside of cond space
<u>    </u> 1	1	Ductwork joints sealed with mastic
<u>    </u> 1	1	Floor joist perimeter insulated and sealed
<u>    </u> 1	1	Light colored exterior walls
<u>    </u> 1	1	South roof area for future solar use
<u>    </u> 1	1	Pre-plumb for solar hot water
<u>    </u> 1	1	Centrally locate water heater
<u>    </u> 1	1	Insulate all hot water pipes                      CPVC
<u>    </u> 1	1	Efficient envelope volume
<u>    </u> 1	1	Dwelling unit attached, zero lot-line, row house
<u>    </u> 155		<b>Total points for Category 1 (120 min/150 max)</b>

**Category 2: Energy (Appliances, Lights, Amenities)**

Points Achieved	Points Possible	Criteria
<b>Energy-efficient appliances/amenities</b>		
<u>    </u> 2	2	Energy Star <sup>®</sup> refrigerator
<u>    </u> 1	3	Energy Star <sup>®</sup> clothes washer (water factor < 9.5)
<u>    </u> 1	1	Energy Star <sup>®</sup> dishwasher
<u>    </u> 1	1	Energy-efficient clothes dryer
<u>    </u> 1	1	Energy-efficient oven/range                      VESO130s
<u>    </u> 1	1	Buyer given info if none installed
<u>    </u> 1	1	Efficient well pumping
<b>Energy-efficient lighting</b>		
<u>    </u> 9	1 - 10	Indoor lights are fluorescent or fiber optic
<u>    </u> 2	2	Recessed, sealed IC fixtures
<u>    </u> 2	2	Max installed lighting wattage < 0.5 W/ft <sup>2</sup>
<u>    </u> 1 - 2	1 - 2	Light colored interior walls, ceilings, carpet/floors
<u>    </u> 1	1	Single bulb fixtures in bathrooms
<u>    </u> 2	2	Outdoor lights are fluorescent/elec ballast, pv, low voltage, or have motion detector
<u>    </u> 17		<b>Total points for Category 2 (10 min/25 max)</b>

Name of HERS Rater : \_\_\_\_\_  
(if HERS points included)

Certifying Agent Category 1 : \_\_\_\_\_

Certifying Agent Category 2 : \_\_\_\_\_

**Category 3: Water**

Points Achieved	Points Possible	Criteria (Plumbing Integrity Test Date _____)
<b>Fixtures</b>		
_____	2	Hot water recirculation system
<u>1</u>	1	Low-flow fixtures
_____	1	Faucet aerators
<u>1</u>	1	Faucets do not drip upon occupancy
_____	2	All showers equipped with 1 showerhead
<u>1</u>	1	Shut-off valves to each toilet and sink
_____	2	No garbage disposal
_____	2	Ultra-low-flow toilets
_____	4	Waterless toilet
<b>Greywater reuse</b>		
_____	3	System installed
_____	1	System rough in
_____	1	Air conditioner condensate re-use
<b>Rainwater harvesting</b>		
_____	2	System installed
_____	1	System rough in
<b>Reclaimed water reuse</b>		
_____	2	For irrigation
_____	2	Meter on reclaimed irrigation system
_____	2	Volume based pricing arrangement
_____	2	For toilet flushing
<b>Installed landscape</b>		
_____	2	Drought tolerant turf in sunny areas only, no turf in densely shaded areas
_____	1 - 3	50%, 80%, 100% of plants/trees from local drought tolerant list
_____	2	All plants/trees selected to be compatible with local environment/microclimate
_____	3	Turf less than 50% of landscape
<u>2</u>	2	Evenly shaped turf areas, no turf on berms
_____	2	Plan for edible landscape/food garden
_____	2	Plants with similar maintenance requirements grouped together
<u>2</u>	2	Mulch applied 3-4 inches deep around plants
<u>2</u>	2	Use of alternative mulches
<u>2</u>	2	Soil amendment where necessary
<b>Installed Irrigation</b>		
_____	1	\$ 10,000 sqft irrigated to FGBC Standards
_____	2	7,500 – 9,999 sqft irrigated to FGBC Standards
_____	3	5,000 – 7,499 sqft irrigated to FGBC Standards
_____	4	2,500 – 4,999 sqft irrigated to FGBC Standards
_____	5	1 – 2,499 sqft irrigated to FGBC Standards
_____	7	Landscape exists primarily on rainfall; no permanent irrigation system
<u>11</u>	<b>Total points for Category 3 (15 min/40 max)</b>	

**Certifying Agent Category 3:** \_\_\_\_\_

**Irrigation System Auditor:** \_\_\_\_\_

(if Installed Irrigation points selected)

**Category 4: Site**

Points Achieved	Points Possible	Criteria
<b>Lot Choice</b>		
_____	2	Build on an infill site
_____	4	Conscious choice to build on a lot with no trees
_____	2	Site located within ¼ mile walk to mass transit
_____	2	Site located in TND or small lot cluster development
_____	2	Brownfield site
<b>Native tree and plant preservation</b>		
<u>2</u>	2	No invasive exotic species
<u>2</u>	2	Develop a tree/plant preservation plan
<u>2</u>	2	Maximize tree survivability
_____	2	Replant or donate removed vegetation
_____	1 - 9	Preserve or create wildlife habitat/shelter
<b>On-site use of cleared materials</b>		
_____	2	Mill cleared trees
_____	1	Reuse cleared material for mulch/landscape
<b>Erosion control/topsoil preservation</b>		
<u>2</u>	2	Develop an erosion control site plan
_____	1	Stabilize disturbed soil
_____	1	Stage disturbance
_____	2	Control sediment runoff during construction
<u>1</u>	1	Save and reuse any removed topsoil
<b>Drainage/retention</b>		
_____	2	Onsite designated retention area
<u>2</u>	2	Direct filtered rooftop runoff to planted area(s)
<u>3</u>	1 - 4	Maintain pervious surface area
<u>14</u>	<b>Total points for Category 4 (10 min/30 max)</b>	

**Certifying Agent Category 4:** \_\_\_\_\_

**Category 5: Health**

Points Achieved	Points Possible	Criteria
<b>Combustion</b>		
_____	3	Detached garage, carport, or no garage
<u>2</u>	2	Attached garage with air barrier between garage and living space (including attic)
_____	1	Attached garage – exhaust fan on motion sensor and timer
<u>1</u>	1	Direct vent, sealed combustion fireplace w/ electronic ignition, or no fireplace present
<u>2</u>	1 - 2	No unsealed space or water heating combustion located inside the conditioned area - or electric.
_____	1	Carbon monoxide alarm

**FY&N Professional:** \_\_\_\_\_

(if points requiring FY&N verification included)

**Category 5: Health, cont.**

Points Achieved	Points Possible	Criteria
<b>Moisture Control</b>		
_____	1	Drainage tile on and around top of footing
_____	1	Drainage board for below grade walls
_____	1	Gravel bed beneath slab on grade floors
<u>1</u>	1	Seal slab penetrations
_____	1	Capillary break between foundation and framing
<u>2</u>	2	Central dehumidification system
<u>1</u>	1	No vapor barrier on inside of assemblies
<b>Ventilation</b>		
<u>4</u>	4	Whole house positive ventilation strategy
_____	1	Ventilation system rough-in
_____	1	Radon/soil gas vent system installed
<u>1</u>	1	Floor drains sealed
_____	1	Radon test of home prior to occupancy
_____	1	High efficiency, low noise bathroom exhaust fans with timer or humidistat
<u>1</u>	1	Kitchen range hood vented to exterior
<u>1</u>	1	All applicable exhausts have backdraft damper
_____	1	Laundry rooms inside conditioned spaces must have window or other make-up air source
_____	1	Whole house fan with insulated cover
<u>1</u>	1	No power roof vents
<u>2</u>	2	Whole house filtration
<u>1</u>	1	Efficient HVAC filter
_____	1	HVAC filter easily accessible
_____	1	Install screens on all windows and doors
<u>1</u>	1	Written plan for the location of exhaust and intake vents
<b>Source Control (materials)</b>		
_____	1	No exposed urea-formaldehyde particleboard
_____	2	Zero VOC paints, stains, and finishes
_____	1	Low VOC paints, stains, and finishes
_____	1	Low VOC sealants and adhesives
<u>1</u>	1	Minimize carpet use
<u>1</u>	1	Healthy flooring
<u>1</u>	1	Healthy insulation
<u>1</u>	1	Protect ducts during construction
<u>5</u>	1 - 5	Minimize CCA treated lumber
<u>3</u>	3	Integrated pest management
<b>Cleanability</b>		
<u>2</u>	2	Central vacuum system
<u>1</u>	1	Narrow grout lines
<u>1</u>	1	Useable entry area
_____	1	Low dust collecting window coverings
<b>Universal Design</b>		
_____	1	Barrier free entrance
_____	1 - 3	Universally designed living area
<u>37</u>	<b>Total points for Category 5 (10 min/30 max)</b>	

Certifying Agent Category 5: \_\_\_\_\_

**Category 6: Materials**

Points Achieved	Points Possible	Criteria
<b>Structure</b>		
<u>3</u>	3	Resource efficient wall system with integral insulation
<u>1</u>	1 - 2	Engineered wood products for roof and/or floor
_____	1	Recycled content roof material
_____	2 - 3	Certified sustainable lumber
_____	1	Engineered/alternative material for outdoor living
<u>1</u>	1	Concrete with fly ash or blast furnace slag
_____	1	Recycled content siding or soffit material
<b>Sub-Assembly, Partitions, Trim</b>		
<u>1</u>	1 - 2	Locally produced doors and/or windows
_____	1	Eco-friendly insulation
_____	1	Recycled content drywall
_____	1	Finger jointed or laminated products
<u>1</u>	1	Finger jointed trim
_____	1	Steel interior studs
<b>Finishes</b>		
<u>1</u>	1	Eco-friendly flooring materials
_____	1	Eco-friendly ceiling materials
_____	1	Recycled content paint
_____	1	Recycled content air conditioner condenser pad
<b>Durability</b>		
_____	1	3 in 12 ≤ roof slope ≤ 6 in 12
_____	1	Large overhangs (eave and gable)
_____	1	Air admittance vents
_____	1	Wood frame house uses vented rain screen
<u>1</u>	1	Siding and exterior trim primed all sides
<u>1</u>	1	Window and door flashing
<u>1</u>	1	Plants/turf minimum of 2 ft. from foundation
<u>1</u>	1	Use armored/metal hoses from service to all fixtures/appliances
_____	1 - 2	Automatic in-home water sensors/shutoff system installed
<u>1</u>	1	Access panel to each non-accessible plumbing fixture installed
_____	1	User-friendly (lever style) clothes washer water shutoff valve
<b>Waste Management</b>		
<u>2</u>	2	Develop construction and demolition waste management plan
<u>2</u>	2 - 4	Implement job site waste management
_____	1 - 5	Plan and implement design related mechanisms
<u>1</u>	1	Compost bin/built in collection of recycleables
<u>18</u>	<b>Total points for Category 6 (10 min/45 max)</b>	

Certifying Agent Category 6: \_\_\_\_\_

**Category 7: Disaster Mitigation**

Points Achieved	Points Possible	Criteria
		<b>Hurricane (wind, rain, storm surge)</b>
	2	Safe room
<u>2</u>	1 - 2	Inland site (sliding scale w/ dist from coast)
	2	Window and skylight protection or impact resistant type
<u>2</u>	2	Attached garage and exterior door protection or impact resistant type
	2	Secondary water protection installed on roof
	2	Adhesive applied to roof sheathing
	2	Gable end braced and vent protection installed
<u>2</u>	2	Hip roof design
<u>2</u>	2	Roof covering above and below flashing
<u>2</u>	2	Exterior structures properly anchored

Points Achieved	Points Possible	Criteria
<u>3</u>		<b>Flood (check all to receive 3 points)</b>
	<input checked="" type="checkbox"/>	Finished floor level at least 12" above 100 yr. flood plain
	<input checked="" type="checkbox"/>	Bottom of slab at least 8" above the top of backfilled dirt, graded for proper drainage
	<input checked="" type="checkbox"/>	Grade slopes away from building on all sides

Points Achieved	Points Possible	Criteria
	<input checked="" type="checkbox"/>	Garage floor and driveway properly sloped to drain out. Garage floor at least 4" lower than living floor.

Points Achieved	Points Possible	Criteria
		<b>Wild fire (check all to receive 3 points)</b>
	<input type="checkbox"/>	Fire resistant exterior wall cladding
	<input type="checkbox"/>	Fire resistant roof covering or sub-roof
	<input type="checkbox"/>	Fire resistant soffit and vent material

**Termites (check all to receive 10 points, or construct Termite Resistant Structure )**

*The following co-requisites from other sections must be done:*

<input type="checkbox"/>	Seal slab penetrations (Health/Moisture Control)
<input type="checkbox"/>	Plants/turf minimum of 2 ft. from foundation (Materials/Durability)
<input type="checkbox"/>	Grade slopes away from building on all sides (Flood)

*The following additional criteria must also be done:*

<input type="checkbox"/>	Notice of termite protection in place on site
<input type="checkbox"/>	Monolithic poured slab
<input type="checkbox"/>	No foam insulation extends below grade
<input type="checkbox"/>	8" or more clearance between building exterior cladding and final earth grade
<input type="checkbox"/>	Rain gutters installed with leaf screens or meet "Large Overhangs" co-requisite under Durability
<input type="checkbox"/>	If present, downspouts must discharge 3 or more feet from building
<input type="checkbox"/>	If installed, irrigation/sprinkler system located 2 or more feet from building, water shown not to hit building while operating
<input type="checkbox"/>	Condensate line(s) discharge 2 or more feet from building and are located 5 or more feet from dryer vent
<input type="checkbox"/>	Damage replacement warranty issued and available for annual renewal

**Category 7: Disaster Mitigation, cont.**

Points Achieved	Points Possible	Criteria
		<b>Termite Resistant Structure (check all to receive 10 points)</b>
	<input type="checkbox"/>	Chemical soil treatment avoided
	<input type="checkbox"/>	Alternative Florida Building Code approved method of foundation protection employed
	<input type="checkbox"/>	All wood lumber, sheet products, and exterior finish material are borate or ACQ treated
	<input type="checkbox"/>	Alternatives to wood investigated and used

13 **Total points for Category 7 (5 min/30 max)**

**Certifying Agent Category 7:** \_\_\_\_\_

**Category 8: General**

Points Achieved	Points Possible	Criteria
		<b>Small house credit</b>
	0 - 50	Conditioned house size

Points Achieved	Points Possible	Criteria
		<b>Renewable power generation</b>
	0 - 20	Reduce peak demand or annual load

Points Achieved	Points Possible	Criteria
		<b>Reconfigurability</b>
	2	Roof trusses designed for addition
	2	Unfinished rooms
<u>2</u>	2	Pre-wired for security, sound, automation

Points Achieved	Points Possible	Criteria
		<b>FGBC Certified Land Development</b>
	4 - 14	House built within designated FGBC green land development

Points Achieved	Points Possible	Criteria
		<b>Other</b>
	10	Remodeling of an existing structure
<u>2</u>	1 - 2	Home builder/designer/architect/landscape architect member of FGBC
	2	Homeowner's manual given to homeowner
	2	Guaranteed energy bills
<u>2</u>	2	Cooling system uses non-hcfc refrigerant

6 **Total points for Category 8 (0 min/50 max)**

**Certifying Agent Category 8:** \_\_\_\_\_

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259 **Total points achieved towards Florida Green Home Designation (200 min/400 max)**

204 **Total points to qualify for Florida Green Home Designation (200 min)**

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Please provide contact information for the homebuilder **and/or** homeowner using the following section. Please note that certain measures selected to qualify the home for the program must be verified by a Certifying Agent that has been accredited by FGBC, Inc., while others require that verification be submitted. A list of Certifying Agents is available at [floridagreenbuilding.org](http://floridagreenbuilding.org) or by contacting FGBC, Inc. After completing the Schedule A form in its entirety, it must be submitted by a Certifying Agent to FGBC, Inc. c/o Florida Solar Energy Center, 1679 Clearlake Rd., Cocoa, FL 32922. The completed checklist must be accompanied by all required submittals, and a check for the Green Home processing fee payable to the Florida Green Building Coalition, Inc. Processing fee for FGBC members is \$50 per home for the first 10 homes, and \$35 for each additional home. Processing fee is \$75 per home for non-members. Please visit [floridagreenbuilding.org](http://floridagreenbuilding.org) for membership information. (\* indicates required fields)

Home Builder Information

\*Name: \_\_\_\_\_  
\*Company: \_\_\_\_\_  
\*Address: \_\_\_\_\_  
\*City / County: \_\_\_\_\_  
\*Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-mail: \_\_\_\_\_

Home Information

Owner name: \_\_\_\_\_  
\*Address: \_\_\_\_\_  
\*City / County: \_\_\_\_\_  
Owner phone: \_\_\_\_\_  
Owner Fax: \_\_\_\_\_  
Owner E-mail: \_\_\_\_\_

Primary Certifying Agent Information

\*Name: \_\_\_\_\_  
\*Company: Two Trails, Inc.  
\*Address: 4411 Bee Ridge Rd. #294  
\*City / County: Sarasota/Sarasota  
\*E-mail: [twotrails@twotrails.net](mailto:twotrails@twotrails.net)  
\*Phone: \_\_\_\_\_  
\*Fax: \_\_\_\_\_

By signing below we acknowledge that each of the measures intended to qualify the home for the Florida Green Home Standard have been incorporated into the home's construction/renovation.

Development of the Florida Green Home Designation Standard supported in part by:



Home Builder Signature: \_\_\_\_\_  
and/or  
Home Owner Signature: \_\_\_\_\_  
Primary Certifying Agent Signature: \_\_\_\_\_  
Date of Application: \_\_\_\_\_

