



Florida Green Building Coalition, Inc.

Green Home Certification

Schedule A, Version 6.00

March 1, 2009— March 31, 2009

NEW HOME REQUIREMENTS

- Comply with three prerequisites
- Obtain the minimum points indicated in each category*

- Obtain a TOTAL of 100 points

*WHAT IF I MISS A CATEGORY MINIMUM

Can I still be certified? **YES**
 But you will need more than 100 points. You must add the points you missed to your total score your homes needs for certification. For example, if you can only achieve 8 points in a category with a 10 point minimum requirement- you now need 102 points for certification.

Tiered Rating System

Certification is awarded at different levels according to points achieved over the minimum point threshold.

- 0-30 points over the project's minimum = Bronze
- 31-60 points over the project's minimum = Silver
- 61-90 points over the project's minimum = Gold
- 91 points over the project's minimum = Platinum

A NOTE ABOUT ENERGY

You may wonder why many energy saving features do not appear as line items in this standard. The FGBC has selected to use a whole house performance based energy rating for points versus create an exhaustive list of energy saving alternatives. The performance based Energy Rating is called a HERS INDEX (previously HERS score).

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	Rood 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		
Cooling	Ducts	Appliance and Lights
System Type	Insulation value	Programmable Thermostat
Capacity	Duct Location	Refrigerator
SEER	Air Handler Location	% fluorescent lighting
Hot Water	Amount of leakage	Ceilings fans
Type / location	Duct surface area	Dishwasher
Efficiency	Heating	Photovoltaics
Daily usage	System Type	Array
Set Temperature	Efficiency	Inverter
Solar or heat recovery	Capacity	Batteries

Prerequisite 1: Swimming Pool / Spa

- N/A Sanitation system that reduces chlorine use
- N/A Pool Cover
- N/A Solar pool heating system
- N/A Efficient pool pumping
- N/A No swimming pool/spa

Prerequisite 2: Waterfront Considerations

- N/A Use of native aquatic vegetation in shoreline area
- N/A No turf adjacent to water
- N/A Use of terraces, swales, or berms to slow storm water
- N/A Home site does not border natural water body

Prerequisite 3: Invasive Exotic Species

- N/A No class 1 invasive exotic plant species

CATEGORY 1: Energy

Category Minimum 30 / Category Maximum 75

Points	Points	
Achieved	Possible	Criteria

HERS Index - Energy Rating

0	3 - 75	Confirmed Florida HERS Rating - 3 points for each HERS Index point below 90
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Design, finishes, amenities

-	1	Document proper sizing of HVAC system
-	1	Ductwork joints sealed with mastic
-	1	Cross ventilation and ceiling fans code credit
-	1	Roofed porch, Min 100ft ² AND 3 sides open
-	1	Passive solar space heating system
-	1	Passive solar day-lighting
-	1	Deciduous trees on south
0	1 - 4	House shaded on east and west by trees
-	1	Washer and dryer outside of conditioned space
-	1	Floor joist perimeter insulated and sealed
-	1	Light colored exterior walls
0	1 - 2	Light colored interior walls, ceilings, carpet/floors
-	1	Max 100W fixtures in bathrooms
-	1	South roof area for future solar use
-	1	Pre-plumb for solar hot water
-	2	Install a state certified rated solar hot water system
-	1	Compact hot water distribution
-	1	Insulate all hot water pipes
-	1	Energy-efficient clothes dryer
-	1	Energy-efficient oven/range
-	1	Energy Star® clothes washer
-	1	Buyer given information on Energy star® appliance if non-installed
-	1	Efficient well pumping
0	1	Efficient envelope volume
-	1	Attached unit, zero lot-line, row house
-	2	Recessed, sealed IC fixtures
-	3	Energy Star® Advanced Lighting Package
-	2	Outdoor lights are energy efficient.
0	108	Total Points

0	Total points for Category 1 (30 min / 75 max)
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Name of HERS Rater: 0

Certifying Agent Category 1: 0

CATEGORY 2: Water

Category Minimum 15 / Category Maximum 40

N/A	Is the landscape existing or new
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Fixtures

0	2 - 3	Water saving clothes washer
-	1	Low flow shower heads
-	1	All showers equipped with 1 showerhead
-	2	No garbage disposal
-	2	Dual flush or low flow toilets
-	1	Toilet with UNAR Map Rating

Greywater Reuse

-	3	System Installed
-	2	Vanity water collection for toilet flushing
-	1	Air conditioner condensate re-use

Rainwater Harvesting

-	2	System installed with dedicated use
-	1	System rough in with simple collection

Reclaimed Water Reuse

-	2	Water for irrigation
-	2	Meter on reclaimed irrigation system
-	2	Volume based pricing arrangement
-	2	For toilet flushing

Installed Landscape

-	2	Drought tolerant turf in sunny areas only, no turf in densely shaded areas
0	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 then 50% of landscape
-	2	Evenly shaped turf areas, no turf on berms
-	2	Plants with similar maintenance requirements grouped together
-	2	Mulch applied 3 - 4 inches deep around plants
-	2	Non-Cypress mulch used
-	2	Soil tested and amended where necessary
-	10	No permanent installed irrigation system
-	2	Innovative irrigation technology
-	5	Meet or exceed Water Star™ standards:
0	1 - 5	Irrigated land according to FGBC standard
0	0	square footage of land with installed irrigation
-	-	Separate zones for turf and landscape beds - multi program controller
-	-	High volume irrigation does not exceed 60% of landscape area
-	-	Head to head coverage for Rotor/spray heads
-	-	Micro-irrigation only in landscape beds and narrow areas
-	-	Minimize overspray on impermeable surfaces
-	-	In poor drainage (low) areas, heads are installed with check valves
-	-	Provide owner & FGBC with plan and instructions
-	-	Irrigation heads have matched precipitation rules

0 69 Total Points

0 Total points for Category 2 (15 min / 40 max)

Certifying Agent Category 2: 0
 Name of Landscape Auditor: 0
 Credentials of Auditor: 0

CATEGORY 3: Lot Choice

Category Minimum 0 / Category Maximum 15

0	1 - 6	House built within designated FGBC green land development
-	4	Home within a certified green local government
-	2	Build on an infill site
-	2	Site within 1/2 mile of existing infrastructure
-	2	Site within 1/4 mile to mass transit
-	2	Site within 1/2 mile of public open/green space
0	2	Site within 1/4 mile of basic community resources
-	2	Site located in TND or small lot cluster development
-	2	Brownfield site
0	24	Total Points

0 Total points for Category 3 (0 min / 15 max)

Certifying Agent Category 3: 0

CATEGORY 4: Site

Category Minimum 5 / Category Maximum 30

Native Tree and Plan Preservation

-	2	Maximize tree survivability
0	1 - 2	Minimize soil compaction
-	2	Replant or donate removed vegetation
0	1 - 9	Preserve or create wildlife habitat / shelter

On Site use of Cleared Materials

-	2	Mill clear trees
0	1 - 2	Reuse cleared materials for mulch / landscape

Erosion Control / Topsoil Preservation

-	2	Develop an erosion control site plan
-	1	Stabilize disturbed soil
-	2	Stage disturbance
-	1	Control sediment runoff during construction
-	1	Save and reuse any removed topsoil

Drainage / Retention

-	2	Onsite designated retention area
-	2	Direct filtered rooftop runoff to planted area(s)
0	1 - 4	Maintain pervious surface area (If not taking points input 1 for Total Lot Area)
0	37	Total Points

0 Total points for Category 4 (5 min / 30 max)

Certifying Agent Category 4: 0

CATEGORY 5: Health

Category Minimum 15 / Category Maximum 35

Combustion

-	3	Detached garage, carport, or no garage
-	2	Attached garage with air barrier between garage and living space (including attic)
-	1	Attached garage - exhaust fan on motion sensor and timer
-	1	Direct vent, sealed combustion fireplace w/ electronic ignition, factory built wood burning fireplace or no fireplace present
0	1 - 2	No unsealed space or water heating combustion located inside the conditioned area or electric
-	1	Carbon monoxide alarm

Moisture Control

-	1	Drainage tile on and around top of footing
-	1	Drainage board for below grade walls
-	1	Gravel bed beneath slab on grade floors
-	1	Seal slab penetration
-	1	Capillary break between foundation and framing
-	3	Central dehumidification system
-	1	No vapor barrier on inside of assemblies

Source Control

-	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
-	1	Minimize carpet use
-	1	Healthy flooring
-	1	Healthy insulation
-	1	Protect ducts during construction
-	3	Integrated pest management plan

Cleanability

0	1 - 2	Central vacuum system
-	1	Grout lines < 1/4"
-	1	Useable entry area
-	1	Low dust collecting window coverings

Universal Design

-	1	Barrier free entrance
-	1-3	Universally designed living area

Ventilation

-	4	Controlled mechanical ventilation
-	1	Radon/Soil gas vent system installed
-	1	Floor drain sealed
-	1	Energy star® bath fans with timer or humidistat
-	1	Kitchen range hood vented to exterior
-	1	Laundry rooms inside conditioned space must have window or other make-up air source
-	3	Whole house positive filtration
-	1 - 2	Efficient HVAC filter
-	1	HVAC filter easily accessible
-	1	Install screens on all windows and doors (excluding front door)
-	3	No air handler/return ducts in garage or unsealed garage attic
-	1	Written plan for exhaust and intake vents
-	1	Manual D duct design
0	61	Total Points

0 Total points for Category 5 (15 min / 35 max)

Certifying Agent Category 5:

0

CATEGORY 6: Materials

Category Minimum 10 / Category Maximum 35

Components

-	1	Recycled content roof material
0	1 - 2	Engineered wood products for roof and or floor
0	2 - 3	Certified sustainable lumber
-	1	Engineered / alternative material for outdoor living
-	1	Concrete with fly ash or blast furnace slag
-	1	Recycled content siding or soffit material
-	1	Eco-friendly insulation
-	1	Recycled content drywall
-	1	Recycled content paint
-	1	Recycled content air conditioner condenser pad
-	1	Finger jointed or laminated products
-	1	Eco-friendly trim
-	1	Steel interior studs
-	1	Eco-friendly flooring material
-	1	Eco-friendly ceiling materials
0	1 - 2	Locally produced materials

Waste Reduction

-	3	Resource efficient wall system will integral insulation
-	2	Develop a construction a demolition waste management plan
0	2 - 4	Implement job site waste management
-	1	Compost bin/built in collection of recyclables
-	1	Perimeter based on 2 foot dimensions
-	1	Interior floor plan based on 2 foot dimensions
-	1	Stack framing
-	1	2-stud corners with drywall clips
-	1	T-wall with drywall clips

Durability

-	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
-	1	Siding and exterior trim primed all sides
-	1	Window and door flashing
-	1	Plants/turf minimum of 2ft. from foundation
-	1	Use armored/ metal hoses from service to all fixtures/appliances
-	2	Automatic in home water sensor/shut off system installed
-	1	Access panel to non-accessible plumbing fixture
-	1	User-friendly (lever style) clothes washer water shutoff
-	1	Laundry room below living floor or drain installed
0	48	Total Points

0 Total points for Category 6 (10 min / 35 max)

Certifying Agent Category 6:

0

CATEGORY 7: Distaster Mitigation

Category Minimum 5 / Category Maximum 30

Hurricane (wind, rain, storm surge)

-	3	Safe room
-	2	Unvented attic or No attic
-	2	Window, door, and skylight protection or impact resistant type
-	1	Attached garage and exterior door protection or impact type
-	2	Exterior structures properly anchored
-	2	Secondary water protection installed on roof
-	2	Adhesive applied to roof sheathing
-	2	Roof covering above and below flashing
-	5	Comply with fortified for safer living standards

Flood (must incorporate all four)

0	3	-	Finished floor level at least 12" above 100 yr flood plain
		-	Bottom of slab at least 8" above the top of backfilled dirt, graded for proper drainage
		-	Grade slopes away from building on all sides
		-	Garage floor & driveway sloped to drain out. Garage floor at least 4" lower than living floor

Wildfire (must incorporate all four)

0	3	-	Fire resistant exterior wall cladding
		-	Fire resistant roof covering or sub-roof
		-	Fire resistant soffit and vent material

Termites (Must incorporate all items in either path to achieve these points)

0	10	Chemical Soil Treatment Used		
		-	Seal slab penetrations	
		-	Vegetation > 2 ft. from foundation	
		-	Slopes graded away from building	
		-	Exterior cladding installed to prohibit intrusion	
		-	Rain gutters installed or meet large overhangs	
		-	Downspouts discharge a minimum of 3' from home	
		-	Condensate line(s) discharge a minimum of 2' from home and are 5' from dryer vent	
		-	Irrigation/sprinkler water does not hit building	
		-	Damage replacement warranty issued and available for annual renewal	
		Chemical Soil Treatment Avoided		
		-	Chemical soil treatment avoided	
		AND	-	Alternative Florida Building Code approved method of foundation protection employed
		OR	-	All wood lumber, sheet products, and exterior finish material are borate or ACQ treated
0	37	Total Points		

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

CATEGORY 8: General

Category Minimum 0 / Category Maximum 40

Small House Credit

0 - 40 Conditioned house size (enter **no** if not claiming any points)

Adaptability

2 Roof trusses designed for addition
 1-2 Unfinished rooms
 1 Prewired for security, sound, and automation

Renewable Power Generation

1 - 5 Reduce peak demand or annual load

Remodel

10 Remodeling of an existing structure (HERS index < 90)
 3 Toilets 1.6 gpf and showers 2.5 gmp or less
 2 Upgrade existing installed irrigation with rain gauge, timer and code irrigation heads

Other

1 - 2 Home builder/designer/architect/landscape architect member of FGBC
 2 Homeowner's manual given to homeowner
 2 Educational material given to homeowner
 2 Training provided to homeowner
 2 Plan for edible landscape/food garden
 2 Guaranteed energy bills
 2 Cooling system uses non-hcfc
 1 - 5 INNOVATIVE CREDITS

Description of innovation:

84 Total Points

Total points for Category 8 (0 min / 40 max)

Certifying Agent Category 8:

1- Builder : comes in and tells us what they want to do
2- Designed

FGBC Home Score

Insert your scores below- verify that you have achieved each category minimum - total your score

Category	Your Score	Required Min - Max
Category 1: Energy	0	30 - 75
Category 2: Water	0	15 - 40
Category 3: Lot Choice	0	0 - 15
Category 4: Site	0	5 - 30
Category 5: Health	0	15 - 35
Category 6: Materials	0	10 - 35
Category 7: Disaster Mitigation	0	5 - 30
Category 8: General	0	0 - 40

Total: 0
 Total Need: 180

Certification Level:

Failed			
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SUBMITTING YOUR CERTIFICATION

A FGBC Certifying agent must submit your completed checklist with documentation for certification

Mail the checklist and application fee to:
 FGBC c/o Florida Solar Energy Center
 1679 Clearlake Road
 Cocoa, FL 32922



This Green Home Certification Standard
 is endorsed by the Florida Home
 Builders Association

Include a Check payable to the Florida Green Building Coalition

Member of FGBC and FHBA	\$50.00
Member of FGBC or FHBA	\$75.00
Non Members	\$100.00

Builder Information	
Name	\$0.00
Company	\$0.00
Address	0
City/Zip	0
Phone	0
Fax	0
E-mail	0

Home Information	
Name	0
Address	0
City/Zip	0
Phone	0
Fax	0
E-mail	0

Certifying Agent Information	
Name	0
Company	0
Address	0
City/Zip	0
Phone	0
Fax	0
E-mail	0

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.

Home Builder	0
Home Owner	0
Certifying Agent	0
Date	0