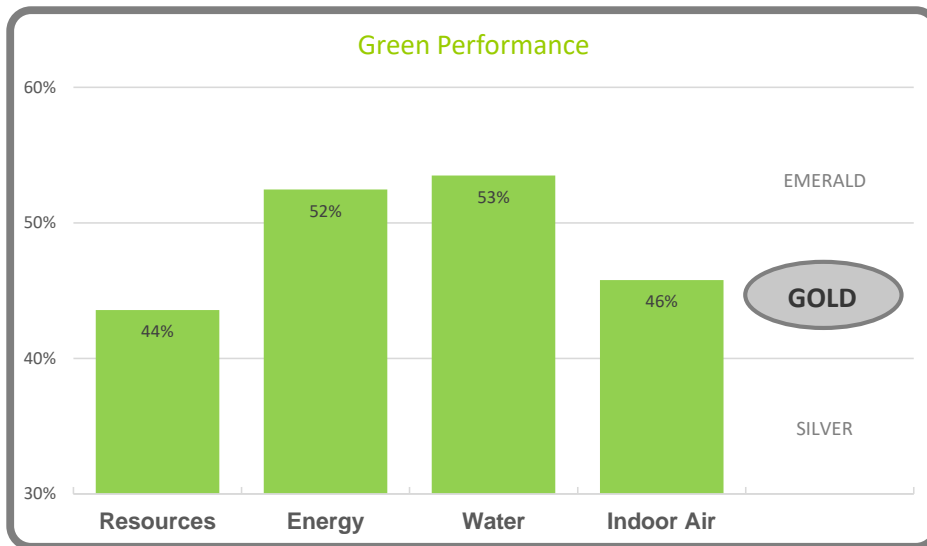




# Green RV Certification Checklist v3.1



## Veracruz



# Resource Efficiency

101

<u>Points Available</u>	<u>Item</u>	<u>Points Claimed</u>
14	<b>Construction waste materials are recycled onsite. (2 pts each max 14 pts)</b> list: Wood, cardboard, aluminum, steel, copper wire	10
20	<b>Ratio of recycled materials to waste</b> (50% - 5 pts, 75% - 10 pts, 90% - 20 pts)	5
5	<b>CNC Machines utilized to maximize material cuts (1 pt per material, 5 pts max)</b> list: water jet for steel, aluminum, plastic & wood	4
5	<b>Jigs are used (1 pt each, max 5 pts)</b> list: floors, sidewalls, weldments, frame assembly, jack placement	5
5	<b>Material scraps are reused. (1 pt each, max 5 points)</b> list: wiring, window & door cutouts for cargo, cargo area regrind	3
5	<b>Reusable shipping containers used for major materials (1 pt each, max 5)</b> list: doors, a/c, cabinets, windows, generators	5
5	<b>Major materials are cut to size at supplier - (1 pt each, max 5)</b> list: vinyl flooring	1
10	<b>Materials with recycled content are used. (2 pt each, max 10)</b> list: carpet padding, insulation	4
2	<b>Rain drainage system installed</b>	
10	<b>Regional materials are used for major components of the RV (500 miles)</b> (2 points each, max 10 pts) list materials:	
3	<b>RV component manufacturer facility is ISO 9001/14001 or equivalent.</b> (1 point each, max 3 pts) list mfr:	
3	<b>RV component is UL Certified (or equivalent)</b> (list product and listing, 1 point each, max 3 pts)	
6	<b>Certified wood (2 point per product type, max 6)</b> (list wood product and certification) 2x2 (SFI)	2
5	<b>Minimal use of wood</b>	5
3	<b>Nitrogen-filled tires</b>	

101 Points available

Resource Efficiency Total:

44	44%
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# Energy Efficiency

173

Insulation		Type	R-value			
33	Walls	foam	6.75			28.8
	Floor	foam	7			30
	Ceiling	foam	15	Total:	28.75	2
20	<b>LED lighting (&gt;90% interior &amp; exterior)</b>					
6	<b>Awnings are standard - 2 pts each, max 6</b>					
5	<b>Soap pressurization test on entire unit</b>					
10	<b>Energy efficient appliances (2 points each, max 10)</b> list:					
10	<b>Energy efficient furnace &amp; A/C (5 pts each, 10 pts max)</b> List:					
4	<b>Energy monitoring device</b>					4
6	<b>Skylights to provide natural lighting (2 pt each, max 6)</b>					2
10	<b>Heating system with NO ducts</b>					
10	<b>Cooling system with NO ducts</b>					
4	<b>Convection microwave or cooktop is standard - (2 pts each, max 4)</b>					4
30	<b>Solar panels (prewired - 10 pts; factory installed - 30 pts)</b>					10
5	<b>Enhanced window performance</b>					
10	<b>Rain booth test to ensure leak-free construction</b>					10
10	<b>lightweight (less than 5k lbs - 2 pts, 4k lbs - 4 pts, 3k lbs - 6 pts, 2k lbs - 8 pts, 1k lbs - 10 pts)</b>					
173 Points Available						<b>90.8</b>
<b>Energy Efficiency Total:</b>						<b>52%</b>

## Water Efficiency

43

30	<b>Low flow fixtures</b>					
		5	kitchen ( $\leq 2.2$ gpm - 5 pts)		15	
			bath ( $\leq 1.5$ gpm - 5 pts)			
		5	showerhead (2.5 gpm - 5 pts)			
		5	toilet is low-flow or pedal flush - 5 pts			
			toilet is composting - 15 points			
5	<b>Instant hot water heater is standard</b>					
3	<b>Water line test water is recycled and reused or units are air tested</b>				3	
5	<b>Rain booth water is recycled and reused</b>				5	
5	<b>Innovative Design: shower feature collects water until hot versus waste</b>				5	
43 Points available				<b>Water Efficiency Total:</b>	23	53%

## Indoor Air Quality

83

**MANDATORY** All wood materials are CARB 2 compliant

16	<b>Low VOC materials are used (2 pts each) Based on LEED for Homes</b>					
		2	caulks/sealants	List: [REDACTED]	4	
			carpet	List:		
			carpet pad	List:		
			furniture	List:		
			drapery/bedding	List:		
			cabinets	List:		
		2	hard flooring	List: [REDACTED]		
			walls/ceiling	List:		
			insulation	List:		
			other	List:		
5	<b>Final finish cleaning products are low VOC (based on LEED for Homes)</b>					
10	<b>Zero or minimal carpet is installed (slide outs/cab allowed)</b>				10	
40	<b>Non-emitting materials or undetectable formaldehyde (5 pts ea; walls/ceiling/floor = 10 pts)</b>				15	
			caulks/sealants	List:		
			carpet	List:		
			carpet pad	List:		
			furniture	List:		
			drapery/bedding	List:		
			cabinets	List:		
			hard flooring	List:		
		10	walls/ceiling	List: [REDACTED]		
		5	insulation	List: [REDACTED]		
			other	List:		
9	<b>Ventilation/exhaust devices (3 pts each)</b>				6	
3	<b>Ductwork is off the floor</b>				3	
83 Points available				<b>Indoor Air Total:</b>	38	46%