



for Homes

LEED for Homes Simplified Project Checklist

Builder Name:	
Project Team Leader (if different):	Michael Strong, GreenHaus Builders
Home Address (Street/City/State):	4119 Underwood St, Houston, Texas

Project Description:

Adjusted Certification Thresholds

Building type: **Single detached**
 # of bedrooms: **4**

Project type: **Custom**
 Floor area: **3283**

Certified: **51.0** Gold: **81.0**
 Silver: **66.0** Platinum: **96.0**

Project Point Total	Final Credit Category Total Points			
Prelim: 86.5 + 4 maybe pts	Final: 84.5	ID: 6	SS: 10	EA: 26 EQ: 13
Certification Level		LL: 10	WE: 9	MR: 8.5 AE: 2
Prelim: Gold	Final: Gold			

date last updated :
 last updated by :

				Max Points	Project Points				
					Preliminary	Maybe	Final		
					Y/Pts	No	Y/Pts		
Innovation and Design Process (ID) (No Minimum Points Required)				Max	Y/Pts	Maybe	No	Y/Pts	
1. Integrated Project Planning	1.1	Preliminary Rating		Prereq	Y		Y		
	1.2	Integrated Project Team		1	1	0	1		
	1.3	Professional Credentialed with Respect to LEED for Homes		1	1	0	1		
	1.4	Design Charrette		1	1	0	1		
	1.5	Building Orientation for Solar Design		1	0	0	0		
2. Durability Management Process	2.1	Durability Planning		Prereq	Y		Y		
	2.2	Durability Management		Prereq	Y		Y		
	2.3	Third-Party Durability Management Verification		3	3	0	3		
3. Innovative or Regional Design	<input checked="" type="checkbox"/>	3.1 Innovation #1	_____	1	0	0	0		
	<input checked="" type="checkbox"/>	3.2 Innovation #2	_____	1	0	0	0		
	<input checked="" type="checkbox"/>	3.3 Innovation #3	_____	1	0	0	0		
	<input checked="" type="checkbox"/>	3.4 Innovation #4	_____	1	0	0	0		
<i>Sub-Total for ID Category:</i>				11	6	0	6		
Location and Linkages (LL) (No Minimum Points Required)				OR	Max	Y/Pts	Maybe	No	Y/Pts
1. LEED ND	1	LEED for Neighborhood Development	LL2-6	10	0	0	0		
2. Site Selection	<input checked="" type="checkbox"/>	2 Site Selection		2	2	0	2		
3. Preferred Locations	3.1	Edge Development	LL 3.2	1	0	0	0		
	3.2	Infill		2	2	0	2		
	3.3	Previously Developed		1	1	0	1		
4. Infrastructure	4	Existing Infrastructure		1	1	0	1		
5. Community Resources/ Transit	5.1	Basic Community Resources / Transit	LL 5.2, 5.3	1	0	0	0		
	5.2	Extensive Community Resources / Transit	LL 5.3	2	0	0	0		
	5.3	Outstanding Community Resources / Transit		3	3	0	3		
6. Access to Open Space	6	Access to Open Space		1	1	0	1		
<i>Sub-Total for LL Category:</i>				10	10	0	10		
Sustainable Sites (SS) (Minimum of 5 SS Points Required)				OR	Max	Y/Pts	Maybe	No	Y/Pts
1. Site Stewardship	1.1	Erosion Controls During Construction		Prereq	Y		Y		
	1.2	Minimize Disturbed Area of Site		1	0	0	0		
2. Landscaping	<input checked="" type="checkbox"/>	2.1 No Invasive Plants		Prereq	Y		Y		
	<input checked="" type="checkbox"/>	2.2 Basic Landscape Design	SS 2.5	2	2	0	2		
	<input checked="" type="checkbox"/>	2.3 Limit Conventional Turf	SS 2.5	3	3	0	3		
	<input checked="" type="checkbox"/>	2.4 Drought Tolerant Plants	SS 2.5	2	2	0	2		
	<input checked="" type="checkbox"/>	2.5 Reduce Overall Irrigation Demand by at Least 20%		6	0	0	0		
3. Local Heat Island Effects	<input checked="" type="checkbox"/>	3 Reduce Local Heat Island Effects		1	1	0	1		
4. Surface Water Management	<input checked="" type="checkbox"/>	4.1 Permeable Lot		4	2	0	0		
	<input checked="" type="checkbox"/>	4.2 Permanent Erosion Controls		1	0	0	0		
	<input checked="" type="checkbox"/>	4.3 Management of Run-off from Roof		2	0	0	0		
5. Nontoxic Pest Control	5	Pest Control Alternatives		2	2	0	2		
6. Compact Development	6.1	Moderate Density	SS 6.2, 6.3	2	0	0	0		
	6.2	High Density	SS 6.3	3	0	0	0		
	6.3	Very High Density		4	0	0	0		
<i>Sub-Total for SS Category:</i>				22	12	0	10		

LEED for Homes Simplified Project Checklist (continued)

				Max Points	Project Points				
					Y/Pts	Maybe	No	Y/Pts	
				OR	Max	Y/Pts	Maybe	No	Y/Pts
Water Efficiency (WE) (Minimum of 3 WE Points Required)				OR	Max	Y/Pts	Maybe	No	Y/Pts
1. Water Reuse	1.1	Rainwater Harvesting System	WE 1.3	4	0	0	0	0	
	1.2	Graywater Reuse System	WE 1.3	1	0	0	0	0	
	1.3	Use of Municipal Recycled Water System		3	0	0	0	0	
2. Irrigation System	<input checked="" type="checkbox"/>	2.1 High Efficiency Irrigation System	WE 2.3	3	3	0	0	3	
		2.2 Third Party Inspection	WE 2.3	1	1	0	0	1	
	<input checked="" type="checkbox"/>	2.3 Reduce Overall Irrigation Demand by at Least 45%		4	0	0	0	0	
3. Indoor Water Use	3.1	High-Efficiency Fixtures and Fittings		3	1	0	0	1	
	3.2	Very High Efficiency Fixtures and Fittings		6	4	0	0	4	
<i>Sub-Total for WE Category:</i>				15	9	0	0	9	
Energy and Atmosphere (EA) (Minimum of 0 EA Points Required)				OR	Max	Y/Pts	Maybe	No	Y/Pts
1. Optimize Energy Performance	1.1	Performance of ENERGY STAR for Homes		Prereq	Y	0	0	Y	
	1.2	Exceptional Energy Performance		34	25	0	0	25	
7. Water Heating	<input checked="" type="checkbox"/>	7.1 Efficient Hot Water Distribution		2	0	0	0	0	
		7.2 Pipe Insulation		1	0	0	0	0	
11. Residential Refrigerant Management	11.1	Refrigerant Charge Test		Prereq	Y	0	0	Y	
	11.2	Appropriate HVAC Refrigerants		1	1	0	0	1	
<i>Sub-Total for EA Category:</i>				38	26	0	0	26	
Materials and Resources (MR) (Minimum of 2 MR Points Required)				OR	Max	Y/Pts	Maybe	No	Y/Pts
1. Material-Efficient Framing	1.1	Framing Order Waste Factor Limit		Prereq	Y	0	0	Y	
	1.2	Detailed Framing Documents	MR 1.5	1	1	0	0	1	
	1.3	Detailed Cut List and Lumber Order	MR 1.5	1	1	0	0	1	
	1.4	Framing Efficiencies	MR 1.5	3	1	0	0	1	
	1.5	Off-site Fabrication		4	0	0	0	0	
2. Environmentally Preferable Products	<input checked="" type="checkbox"/>	2.1 FSC Certified Tropical Wood		Prereq	Y	0	0	Y	
	<input checked="" type="checkbox"/>	2.2 Environmentally Preferable Products		8	2.5	0	0	2.5	
3. Waste Management	3.1	Construction Waste Management Planning		Prereq	Y	0	0	Y	
	3.2	Construction Waste Reduction		3	3	0	0	3	
<i>Sub-Total for MR Category:</i>				16	8.5	0	0	8.5	
Indoor Environmental Quality (EQ) (Minimum of 6 EQ Points Required)				OR	Max	Y/Pts	Maybe	No	Y/Pts
1. ENERGY STAR with IAP	1	ENERGY STAR with Indoor Air Package		13	0	0	0	0	
2. Combustion Venting	2.1	Basic Combustion Venting Measures	EQ 1	Prereq	Y	0	0	Y	
	2.2	Enhanced Combustion Venting Measures	EQ 1	2	2	0	0	2	
3. Moisture Control	3	Moisture Load Control	EQ 1	1	1	0	0	1	
4. Outdoor Air Ventilation	<input checked="" type="checkbox"/>	4.1 Basic Outdoor Air Ventilation	EQ 1	Prereq	Y	0	0	Y	
	<input checked="" type="checkbox"/>	4.2 Enhanced Outdoor Air Ventilation		2	0	0	0	0	
		4.3 Third-Party Performance Testing	EQ 1	1	0	1	0	0	
5. Local Exhaust	<input checked="" type="checkbox"/>	5.1 Basic Local Exhaust	EQ 1	Prereq	Y	0	0	Y	
		5.2 Enhanced Local Exhaust		1	1	0	0	1	
		5.3 Third-Party Performance Testing		1	0	1	0	0	
6. Distribution of Space Heating and Cooling	<input checked="" type="checkbox"/>	6.1 Room-by-Room Load Calculations	EQ 1	Prereq	Y	0	0	Y	
		6.2 Return Air Flow / Room by Room Controls	EQ 1	1	1	0	0	1	
		6.3 Third-Party Performance Test / Multiple Zones	EQ 1	2	0	2	0	0	
7. Air Filtering		7.1 Good Filters	EQ 1	Prereq	Y	0	0	Y	
		7.2 Better Filters	EQ 7.3	1	0	0	0	0	
		7.3 Best Filters		2	2	0	0	2	
8. Contaminant Control	<input checked="" type="checkbox"/>	8.1 Indoor Contaminant Control during Construction	EQ 1	1	1	0	0	1	
		8.2 Indoor Contaminant Control		2	2	0	0	2	
	<input checked="" type="checkbox"/>	8.3 Preoccupancy Flush	EQ 1	1	0	0	0	0	
9. Radon Protection	<input checked="" type="checkbox"/>	9.1 Radon-Resistant Construction in High-Risk Areas	EQ 1	Prereq	N/A	0	0	N/A	
	<input checked="" type="checkbox"/>	9.2 Radon-Resistant Construction in Moderate-Risk Areas	EQ 1	1	0	0	0	0	
10. Garage Pollutant Protection	10.1	No HVAC in Garage	EQ 1	Prereq	Y	0	0	Y	
	10.2	Minimize Pollutants from Garage	EQ 1, 10.4	2	0	0	0	0	
	10.3	Exhaust Fan in Garage	EQ 1, 10.4	1	0	0	0	0	
	10.4	Detached Garage or No Garage	EQ 1	3	3	0	0	3	
<i>Sub-Total for EQ Category:</i>				21	13	4	0	13	
Awareness and Education (AE) (Minimum of 0 AE Points Required)				OR	Max	Y/Pts	Maybe	No	Y/Pts
1. Education of the Homeowner or Tenant	<input checked="" type="checkbox"/>	1.1 Basic Operations Training		Prereq	Y	0	0	Y	
	<input checked="" type="checkbox"/>	1.2 Enhanced Training		1	1	0	0	1	
		1.3 Public Awareness		1	1	0	0	1	
2. Education of Building Manager	<input checked="" type="checkbox"/>	2 Education of Building Manager		1	0	0	0	0	
<i>Sub-Total for AE Category:</i>				3	2	0	0	2	

LEED for Homes Simplified Project Checklist
Addendum: Prescriptive Approach for Energy and Atmosphere (EA) Credits

			Max Points	Project Points				
				Y/Pts	Maybe	No	Y/Pts	
<i>Points cannot be earned in both the Prescriptive (below) and the Performance Approach (pg 2) of the EA section.</i>								
Energy and Atmosphere (EA)			OR	Max	Y/Pts	Maybe	No	Y/Pts
(No Minimum Points Required)								
2. Insulation	2.1	Basic Insulation	Prereq					
	2.2	Enhanced Insulation	2	0	0			0
3. Air Infiltration	3.1	Reduced Envelope Leakage	Prereq					
	3.2	Greatly Reduced Envelope Leakage	2	0	0			0
	3.3	Minimal Envelope Leakage	3	0	0			0
		EA 3.2						
4. Windows	4.1	Good Windows	Prereq					
	4.2	Enhanced Windows	2	0	0			0
	4.3	Exceptional Windows	3	0	0			0
		EA 4.2						
5. Heating and Cooling Distribution System	5.1	Reduced Distribution Losses	Prereq					
	5.2	Greatly Reduced Distribution Losses	2	0	0			0
	5.3	Minimal Distribution Losses	3	0	0			0
		EA 5.2						
6. Space Heating and Cooling Equipment	6.1	Good HVAC Design and Installation	Prereq					
	6.2	High-Efficiency HVAC	2	0	0			0
	6.3	Very High Efficiency HVAC	4	0	0			0
		EA 6.2						
7. Water Heating	7.1	Efficient Hot Water Distribution	2	0	0			0
	7.2	Pipe Insulation	1	0	0			0
	7.3	Efficient Domestic Hot Water Equipment	3	0	0			0
8. Lighting	8.1	ENERGY STAR Lights	Prereq					
	8.2	Improved Lighting	2	0	0			0
	8.3	Advanced Lighting Package	3	0	0			0
		EA 8.2						
9. Appliances	9.1	High-Efficiency Appliances	2	0	0			0
	9.2	Water-Efficient Clothes Washer	1	0	0			0
10. Renewable Energy	10	Renewable Energy System	10	0	0			0
11. Residential Refrigerant Management	11.1	Refrigerant Charge Test	Prereq					
	11.2	Appropriate HVAC Refrigerants	1	0	0			0
<i>Sub-Total for EA Category:</i>			38	26	0			26