



for Homes

LEED for Homes Simplified Project Checklist

Builder Name:	
Project Team Leader (if different):	
Home Address (Street/City/State):	Skyland, Washington, DC

Project Description:

Building Type **Multi-family**

Project type: **Production**

Adjusted Certification Thresholds

Certified: **38.0** Gold: **68.0**

of Units: **451**

Avg. Home Size Adjustment: **-7**

Silver: **53.0** Platinum: **83.0**

Project Point Total: 51	ID: 7	SS: 13	EA: 2	EQ: 6
Certification Level: Certified	LL: 10	WE: 3	MR: 7	AE: 3

Notes

- Detailed information on measures below are provided in the LEED for Homes Rating System
- ⊗ Indicates measures that must be documented using the Accountability Form

1 Detailed information on measures below are provided in the LEED for Homes Rating System				Max Points Available	Project Points		
2.  Indicates measures that must be documented using the Accountability Form							
Innovation and Design Process (ID)				(No Minimum Points Required)			
1. Integrated Project Planning	1.1	Preliminary Rating		Prerequisite	Y		
	1.2	Integrated Project Team		1	1		
	1.3	Professional Credentialed with Respect to LEED for Homes		1			1
	1.4	Design Charrette		1	1		
	1.5	Building Orientation for Solar Design		1			1
2. Durability Management Process	2.1	Durability Planning		Prerequisite	Y		
	2.2	Durability Management		Prerequisite	Y		
	2.3	Third-Party Durability Management Verification		3	3		
3. Innovative or Regional Design	 3.1	Innovation #1		1	1		
	 3.2	Innovation #2		1	1		
	 3.3	Innovation #3		1			1
	 3.4	Innovation #4		1			
Sub-Total for ID Category:				11	7		
Location and Linkages (LL)				(No Minimum Points Required) OR			
1. LEED ND	1	LEED for Neighborhood Development	LL 2-6	10			
2. Site Selection	 2	Site Selection		2	2		
3. Preferred Locations	3.1	Edge Development		1		NA	
	3.2	Infill	LL 3.1	2	2		
	3.3	Previously Developed		1	1		
4. Infrastructure	4	Existing Infrastructure		1	1		
5. Community Resources/ Transit	5.1	Basic Community Resources / Transit		1		NA	
	5.2	Extensive Community Resources / Transit	LL 5.1, 5.3	2		NA	
	5.3	Outstanding Community Resources / Transit	LL 5.1, 5.2	3	3		
6. Access to Open Space	6	Access to Open Space		1	1		
Sub-Total for LL Category:				10	10		
Sustainable Sites (SS)				(Minimum of 5 SS Points Required) OR			
1. Site Stewardship	1.1	Erosion Controls During Construction		Prerequisite			
	1.2	Minimize Disturbed Area of Site		1		No	
2. Landscaping	 2.1	No Invasive Plants		Prerequisite	Y		
	 2.2	Basic Landscape Design	SS 2.5	2			M
	 2.3	Limit Conventional Turf	SS 2.5	3			M
	 2.4	Drought Tolerant Plants	SS 2.5	2			M
	 2.5	Reduce Overall Irrigation Demand by at Least 20%		6	6		
3. Local Heat Island Effects	 3	Reduce Local Heat Island Effects		1	1		
4. Surface Water Management	 4.1	Permeable Lot		4		No	
	4.2	Permanent Erosion Controls		1		NA	
	4.3	Management of Run-off from Roof		2			1
5. Nontoxic Pest Control	5	Pest Control Alternatives		2	2		
6. Compact Development	6.1	Moderate Density		2			
	6.2	High Density	SS 6.1, 6.3	3			
	6.3	Very High Density	SS 6.1, 6.2	4	4		
Sub-Total for SS Category:				22	13		

ZONING COMMISSION
District of Columbia
CASE NO.09-03
EXHIBIT NO.19C

LEED for Homes Project Checklist (continued)

Max Points Available Project Points

Water Efficiency (WE)			(Minimum of 3 WE Points Required)	OR	Y / Pts	No	Maybe
1. Water Reuse	1.1	Rainwater Harvesting System	WE 1.3	4			M
	1.2	Graywater Reuse System	WE 1.3	1		No	
	1.3	Use of Municipal Recycled Water System		3		No	
2. Irrigation System	2.1	High Efficiency Irrigation System	WE 2.3	3			M
	2.2	Third Party Inspection	WE 2.3	1			M
	2.3	Reduce Overall Irrigation Demand by at Least 45%		4			M
3. Indoor Water Use	3.1	High-Efficiency Fixtures and Fittings		3	3		
	3.2	Very High Efficiency Fixtures and Fittings		6			2
Sub-Total for WE Category:				15			3
Energy and Atmosphere (EA)			(Minimum of 0 EA Points Required)	OR	Y / Pts	No	Maybe
1. Optimize Energy Performance	1.1	Performance of ENERGY STAR for Homes		Prerequisite	Y		
	1.2	Exceptional Energy Performance		34	0		
7. Water Heating	7.1	Efficient Hot Water Distribution		2			
	7.2	Pipe Insulation		1			
11. Residential Refrigerant Management	11.1	Refrigerant Charge Test		Prerequisite	Y		
	11.2	Appropriate HVAC Refrigerants		1	1		
Sub-Total for EA Category:				38			2
Materials and Resources (MR)			(Minimum of 2 MR Points Required)	OR	Y / Pts	No	Maybe
1. Material-Efficient Framing	1.1	Framing Order Waste Factor Limit		Prerequisite	Y		
	1.2	Detailed Framing Documents	MR 1.5	1	1		
	1.3	Detailed Cut List and Lumber Order	MR 1.5	1	1		
	1.4	Framing Efficiencies	MR 1.5	3	1		
	1.5	Off-site Fabrication		4			
2. Environmentally Preferable Products	2.1	FSC Certified Tropical Wood		Prerequisite	Y		
	2.2	Environmentally Preferable Products		8	1		2
3. Waste Management	3.1	Construction Waste Management Planning		Prerequisite	Y		
	3.2	Construction Waste Reduction		3	2.5		
Sub-Total for MR Category:				16			6.5
Indoor Environmental Quality (EQ)			(Minimum of 6 EQ Points Required)	OR	Y / Pts	No	Maybe
1. ENERGY STAR with IAP	1	ENERGY STAR with Indoor Air Package		13			
2. Combustion Venting	2.1	Basic Combustion Venting Measures	EQ 1	Prerequisite	Y		
	2.2	Enhanced Combustion Venting Measures	EQ 1	2			
3. Moisture Control	3	Moisture Load Control	EQ 1	1			
4. Outdoor Air Ventilation	4.1	Basic Outdoor Air Ventilation	EQ 1	Prerequisite	Y		
	4.2	Enhanced Outdoor Air Ventilation		2			
	4.3	Third-Party Performance Testing	EQ 1	1	1		
5. Local Exhaust	5.1	Basic Local Exhaust	EQ 1	Prerequisite	Y		
	5.2	Enhanced Local Exhaust		1			
	5.3	Third-Party Performance Testing		1			
6. Distribution of Space Heating and Cooling	6.1	Room-by-Room Load Calculations	EQ 1	Prerequisite	Y		
	6.2	Return Air Flow / Room by Room Controls	EQ 1	1			
	6.3	Third-Party Performance Test / Multiple Zones	EQ 1	2			
7. Air Filtering	7.1	Good Filters	EQ 1	Prerequisite	Y		
	7.2	Better Filters		1			
	7.3	Best Filters	EQ 7.2	2			
8. Contaminant Control	8.1	Indoor Contaminant Control during Construction	EQ 1	1			
	8.2	Indoor Contaminant Control		2	1		
	8.3	Preoccupancy Flush	EQ 1	1			
9. Radon Protection	9.1	Radon-Resistant Construction in High-Risk Areas	EQ 1	Prerequisite	Y		
	9.2	Radon-Resistant Construction in Moderate-Risk Areas	EQ 1	1	1		
10. Garage Pollutant Protection	10.1	No HVAC in Garage	EQ 1	Prerequisite	Y		
	10.2	Minimize Pollutants from Garage	EQ 1	2			
	10.3	Exhaust Fan in Garage	EQ 1	1			
	10.4	Detached Garage or No Garage	EQ 1, 10.2, 10.3	3	3		
Sub-Total for EQ Category:				21			6
Awareness and Education (AE)			(Minimum of 0 AE Points Required)		Y / Pts	No	Maybe
1. Education of the Homeowner or Tenant	1.1	Basic Operations Training		Prerequisite	Y		
	1.2	Enhanced Training		1	1		
	1.3	Public Awareness		1	1		
2. Education of Building Manager	2	Education of Building Manager		1	1		
Sub-Total for AE Category:				3			3
LEED for Homes Point Totals:				136			50.5
(Certification level)							Certified



for Homes

LEED for Homes Project Checklist

Addendum: Prescriptive Approach for Energy and Atmosphere (EA) Credits

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

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been met for the indicated credits and will, if audited, provide the n

Project Team Leader

Company

Signature

Date

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the required inspections and performance testing for the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been completed, a

Green Rater's Name

Maureen Mahle

Company

Steven Winter Associates

Signature

Date

By affixing my signature below, the undersigned does hereby declare and affirm to the USGBC that the required inspections and performance testing for the LEED for Homes requirements, as specified in the LEED for Homes Rating System, have been completed, a

Provider's Name

Maureen Mahle

Company

Steven Winter Associates

Signature

Date



LEED-NC Version 2.2 Registered Project Checklist

Yes ? No

8	1	5	Sustainable Sites	14 Points
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	Prereq 1	Construction Activity Pollution Prevention	Required
1	Credit 1	Site Selection	1
1	Credit 2	Development Density & Community Connectivity (<i>confirm surrounding neighborhood density</i>)	1
1	Credit 3	Brownfield Redevelopment	1
1	Credit 4.1	Alternative Transportation, Public Transportation Access	1
1	Credit 4.2	Alternative Transportation, Bicycle Storage & Changing Rooms (<i>additional space for changing rooms/showers</i>)	1
1	Credit 4.3	Alternative Transportation, Low-Emitting and Fuel-Efficient Vehicles (<i>preferred parking for hybrid zip cars</i>)	1
	Credit 4.4	Alternative Transportation, Parking Capacity	1
	Credit 5.1	Site Development, Protect or Restore Habitat	1
	Credit 5.2	Site Development, Maximize Open Space	1
1	Credit 6.1	Stormwater Design, Quantity Control (<i>underground cisterns</i>)	1
	Credit 6.2	Stormwater Design, Quality Control	1
1	Credit 7.1	Heat Island Effect, Non-Roof	1
1	Credit 7.2	Heat Island Effect, Roof (<i>high albedo, green roof, pv panels</i>)	1
	Credit 8	Light Pollution Reduction	1

Yes ? No

3	1	1	Water Efficiency	5 Points
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1	Credit 1.1	Water Efficient Landscaping, Reduce by 50% (<i>native plantings</i>)	1
	Credit 1.2	Water Efficient Landscaping, No Potable Use or No Irrigation (<i>condensate collection/cisterns, hosebibs are not perm. irrigation</i>)	1
	Credit 2	Innovative Wastewater Technologies	1
1	Credit 3.1	Water Use Reduction, 20% Reduction (<i>low-flow fixtures, dual flush toilets, waterless urinals in bike locker rooms</i>)	1
1	Credit 3.2	Water Use Reduction, 30% Reduction	1

Yes ? No

3	3	11	Energy & Atmosphere	17 Points
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	Prereq 1	Fundamental Commissioning of the Building Energy Systems	Required
	Prereq 2	Minimum Energy Performance (<i>schematic phase energy modeling</i>)	Required
	Prereq 3	Fundamental Refrigerant Management	Required
2	Credit 1	Optimize Energy Performance (<i>14% above code min.</i>)	1 to 10
1	Credit 2	On-Site Renewable Energy	1 to 3
1	Credit 3	Enhanced Commissioning	1
1	Credit 4	Enhanced Refrigerant Management (<i>difficult with smaller residences, possible central or 4 pipe system</i>)	1
	Credit 5	Measurement & Verification	1
1	Credit 6	Green Power (<i>verify cost</i>)	1

continued...

Yes ? No

5	3	5	Materials & Resources	13 Points
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	Prereq 1	Storage & Collection of Recyclables (<i>allow additional space for ground floor recycling spaces</i>)	Required
	Credit 1.1	Building Reuse, Maintain 75% of Existing Walls, Floors & Roof	1
	Credit 1.2	Building Reuse, Maintain 100% of Existing Walls, Floors & Roof	1
	Credit 1.3	Building Reuse, Maintain 50% of Interior Non-Structural Elements	1
1	Credit 2.1	Construction Waste Management, Divert 50% from Disposal	1
1	Credit 2.2	Construction Waste Management, Divert 75% from Disposal	1
	Credit 3.1	Materials Reuse, 5%	1
	Credit 3.2	Materials Reuse, 10%	1
1	Credit 4.1	Recycled Content, 10% (<i>post-consumer + ½ pre-consumer</i>)	1
1	Credit 4.2	Recycled Content, 20% (<i>post-consumer + ½ pre-consumer</i>)	1
1	Credit 5.1	Regional Materials, 10% Extracted, Processed & Manufactured Regionally	1
1	Credit 5.2	Regional Materials, 20% Extracted, Processed & Manufactured Regionally	1
	Credit 6	Rapidly Renewable Materials	1
	Credit 7	Certified Wood	1

Yes ? No

11	1	3	Indoor Environmental Quality	15 Points
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	Prereq 1	Minimum IAQ Performance	Required
	Prereq 2	Environmental Tobacco Smoke (ETS) Control (non-smoking w/in 25' of building opening Cafes? Condos?)	Required
1	1	Credit 1 Outdoor Air Delivery Monitoring (sensors for air quality)	1
1		Credit 2 Increased Ventilation	1
1		Credit 3.1 Construction IAQ Management Plan, During Construction	1
1		Credit 3.2 Construction IAQ Management Plan, Before Occupancy (holds up unit sales)	1
1		Credit 4.1 Low-Emitting Materials, Adhesives & Sealants	1
1		Credit 4.2 Low-Emitting Materials, Paints & Coatings	1
1		Credit 4.3 Low-Emitting Materials, Carpet Systems	1
	1	Credit 4.4 Low-Emitting Materials, Composite Wood & Agrifiber Products (difficult for cabinets)	1
1		Credit 5 Indoor Chemical & Pollutant Source Control (requires retail spaces to conform)	1
1		Credit 6.1 Controllability of Systems, Lighting	1
1		Credit 6.2 Controllability of Systems, Thermal Comfort (thermostat in residences)	1
1		Credit 7.1 Thermal Comfort, Design	1
1		Credit 7.2 Thermal Comfort, Verification (survey of residents)	1
	1	Credit 8.1 Daylight & Views, Daylight 75% of Spaces (clerestory lighting)	1
	1	Credit 8.2 Daylight & Views, Views for 90% of Spaces	1

Yes ? No

5			Innovation & Design Process	5 Points
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1			Credit 1.1 Innovation in Design: (water saving/emergy star appliances)	1
1			Credit 1.2 Innovation in Design: (green housekeeping)	1
1			Credit 1.3 Innovation in Design: (green education)	1
1			Credit 1.4 Innovation in Design: (to be determined)	1
1			Credit 2 LEED® Accredited Professional	1

Yes ? No

35	9	19	Project Totals (pre-certification estimates)	69 Points
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Certified 26-32 points Silver 33-38 points Gold 39-51 points Platinum 52-69 points