lorax

LEED-BD+C v4 Project Scorecard

1301 S Capitol Street SW

Possible	Yes	Y?	N?	No			RP	Comments	LEED Phase	Notes
0					**Project Information**					
Required					P1	Project Information			Design	
1	**0**	**0**	**1**	**0**	**Integrative Process**					
Required					Prereq	**Integrative Project Planning and Design**			Design	
1			1		Credit	**Integrative Process**		Simple Box Model, assess water and energy in SDs	Design	
16	**10**	**2**	**2**	**2**	**Location and Transportation**					
16					Credit	**LEED for Neighborhood Development Location**			Design	
1	1				Credit	**Sensitive Land Protection**		Previously developed site	Design	
2			1	1	Credit	**High Priority Site**		**Opt 1-** Infill site in historic district, 1pt **Opt 2-** Priority Designation (Enterprise, empowerment, nat'l priority, renewal, low-income, etc), 1 pt **Opt 3-** Brownfield contamination found/remediated, 2 pts	Design	
5	4	1			Credit	**Surrounding Density and Diverse Uses**		8+ diverse uses (2pts) and 50% density (2 pts) or 80% density (3 pts)	Design	
5	4	1			Credit	**Access to Quality Transit**	4		Design	
1			1		Credit	**Bicycle Facilities**		short term storage for 2.5% of peak visitors (residential) long term (covered) storage for 15% of residential occupants Shower w/ changing room- None required for residents	Design	is space available for substantial indoor bike storage?
1	1				Credit	**Reduced Parking Footprint**	1	No parking, OR below code + 5% carpool + 30% less than norm	Design	no parking
1				1	Credit	**Green Vehicles**	1	5% EV charging stations or 2 spaces, whichever is greater. Or double that for EV Ready infrastructure	Design	
10	**6**	**1**	**3**	**0**	**Sustainable Sites**					
Required					Prereq	**Construction Activity Pollution Prevention**			Constr	
1	1				Credit	**Site Assessment**			Design	
2	1		1		Credit	**Site Development -** Protect or Restore Habitat	2	25% native/adaptive vegetated space, green roof counts if diverse species are used.	Design	
1			1		Credit	**Open Space**		30% open space, can include accessible green roof and outdoor amenity spaces	Design	
3	1	1	1		Credit	**Rainwater Management**	3	80/85/90th % for 1/2/3 points	Design	
2	2				Credit	**Heat Islands Reduction**		combined roof and non-roof calcs. White TPO, green roof	Design	
1	1				Credit	**Light Pollution Reduction**		BUG Ratings	Design	
11	**7**	**1**	**0**	**3**	**Water Efficiency**					
Required					Prereq	**Outdoor Water Use Reduction**			Design	
Required					Prereq	**Indoor Water Use Reduction**			Design	
Required					Prereq	**Building-Level Water Metering**			Design	
2	2				Credit	**Outdoor Water Use Reduction**		50% reduction of potable water = 1 point, no potable irrigation = 2 points	Design	
6	4	1		1	Credit	**Indoor Water Use Reduction**		40/45/50% for 4/5/6 points 1.1 toilets, 1.5 showers, 0.5 lav faucets, no kitchens in apartments 1.1 toilets and 0.35 lav faucets, 0.125 urinals for common area bathrooms	Design	
2				2		**Cooling Tower Water Use**		Can only achieve if baseline per ASHRAE appendix G would have chillers, not the case for residential	Design	
1	1				Credit	**Water Metering**		Submeter 2 end uses (hot water, indoor fixtures, etc); Process water = dishwashers, clothes washers in our building; We can meter common area fixtures and hot water, avoiding the need for water meters in each apartment (unless desired for reasons outside of LEED)	Design	$1,500
33	**17**	**5**	**4**	**7**	**Energy & Atmosphere**					
Required					Prereq	**Fundamental Commissioning and Verification**			Constr	
Required					Prereq	**Minimum Energy Performance**			Design	Fsi to run energy model - Preliminary Model on 50% DD
Required					Prereq	**Building-Level Energy Metering**			Design	Maryland IgCC 603/705 - MD High Performance Building Program- see water metering comments above
Required					Prereq	**Fundamental Refrigerant Management**			Design	
6	3	2		1	Credit	**Enhanced Commissioning**		Enhanced Cx 1.1, 1.2 (Monitoring), and 2.0 (Envelope)	Constr	$9,500
18	11	2	2	3	Credit	**Optimize Energy Performance**	10	consider pros and cons of running ASHRAE 90.1 2010 or 2016	Design	Recommend all-electric design for best performance and likely some first-cost savings as well.
1				1	Credit	**Advanced Energy Metering**		submeter energy end uses > 10% of total	Design	
2			2		Credit	**Demand Response**		Enroll in DR program for min. 1 year, with 10% on-peak load reduction	Constr	
3	1	1		1	Credit	**Renewable Energy Production**		1/5/10% for 1/2/3 points… difficult to exceed 5% on high-rise buildings	Design	
1				1	Credit	**Enhanced Refrigerant Management**			Design	not likely with VRF system
2	2				Credit	**Green Power and Carbon Offsets**		back pocket. 100% for 5 years RECs	Constr	~$13,000
13	**5**	**0**	**4**	**4**	**Materials & Resources**					
Required					Prereq	**Storage & Collection of Recyclables**			Design	
Required					Prereq	**Construction & Demolition Waste Management**			Constr	
5			1	4	Credit	**Building Life-Cycle Impact Reduction**			Constr	Tally - Evaluate Carbon Cure. Discuss with structural engineer. High Strenght concrete needed.
2	1		1		Credit	**BPDO-** EPD		20 EPDs from 5 mnfrs	Constr	
2	1		1		Credit	**BPDO-** Sourcing of Raw Materials		recycled, regional, etc 20% cost	Constr	
2	1		1		Credit	**BPDO-** Materials Ingredients		20 HPDs from 5 mnfrs	Constr	
2	2				Credit	**Construction and Demolition Waste Management**		75%, 4 waste streams	Constr	
16	**8**	**4**	**3**	**1**	**Indoor Environmental Quality**					
Required					Prereq	**Minimum Air Quality Performance**		ASHRAE 62.2 2010	Design	
Required					Prereq	**Environmental Tobacco Smoke Control**		No smoking signage at all entrances	Design	
2	2				Credit	**Enhanced Indoor Air Quality Strategies**		10' entrance mats. Deck to deck partitions @ janitors closets, MERV 13 filters (1 pt) Carbon Dioxide Monitoring for densely occupied spaces (1 pt)	Design	
3	3				Credit	**Low-Emitting Materials**			Constr	

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1	1				Credit	**Construction IAQ Management Plan**			Constr	
2		1	1		Credit	**Indoor Air Quality Assessment**		1 pt for flush out (unlikely due to schedule), 2 pts for testing	Constr	expensive - review the v4.1 requirements.
1	1				Credit	**Thermal Comfort**		ASHRAE 55-2010 individual controls for 50% individual occupant spaces. Group controls for shared multi occupant spaces Bedrooms classify as individual occupant spaces, living rooms/kitchens are multioccupant. Controls can be for temperature or airflow	Design	
2	1		1		Credit	**Interior Lighting**		Controls for 90% individual occupant spaces, 3 light levels, controls for all multioccupant spaces, 3 light levels lighting quality for 2nd point Pick 4: CRI 80+ for all lights, 75% of lights w/ 24,000+ hr lifespan;; 25% or less direct-only overhead light;; Area-weighted average surface reflectance 45% for work surfaces, and 50% for movable partitions;; 90% of regularly occupied area... average surface reflectance: 85% ceilings, 60% walls, 25% floors.	Design	
3		2	1		Credit	**Daylighting**		55%/75%/90% via simulation	Design	
1		1			Credit	**Quality Views**		75%	Design	
1				1	Credit	**Acoustic Performance**		Decibel level maximums for HVAC equipment, STC ratings for wall assemblies… office = 45, conference room = 50, retail = 50. Reverberation Times, closed office/conference room < 0.6, open office < 0.8 construction cost add, affected by Mech system selection (ducted vs radiant)	Design	
6	**4**	**2**	**0**	**0**	**Innovation**					
1		1			Credit	**Innovation:** Exemplary Performance		TBD	Innovation	
1		1			Credit	**Innovation:** Exemplary Performance		TBD,	Innovation	
1	1				Credit	**Innovation:** Pilot		WELL Building credits	Innovation	
1	1				Credit	**Innovation:** Innovation		Public Education	Innovation	
1	1				Credit	**Innovation:** Pilot		EB Starter Kit, biophilia, intergrative materials analysis, views, social equity	Innovation	
1	1				Credit	**LEED™ Accredited Professional**			Innovation	
4	**3**	**0**	**1**	**0**	**Regional Priority Credits**					
1	1				Credit	**Regional Priority Credit:** Reduced Parking (1)		or Green Vehicles (1)	RP	
1			1		Credit	**Regional Priority Credit:** Rainwater Mgmt (3)			RP	
1	1				Credit	**Regional Priority Credit:** Optimize Energy (10)			RP	
1	1				Credit	**Regional Priority Credit:** Quality Transit (4)			RP	

110	**60**	**15**	**18**	**17**	40-49 LEED Certified
Color Key:					50-59 LEED Silver
Not Pursuing					60-79 LEED Gold
					80+ LEED Platinum

Project Schedule:	**Project Team:**		**General Project Info:**
SD set:	**Owner:**	**Developer:**	60,000 sf apartment project, 10 stories
DD set:	**Architect:**	**Interiors:**	Target is LEED Gold
Permit:	**Civil:**	**Landscape:**	
CD set:	**MEP:**		
Bid:	**Energy Modeler:**		
Construction:	**Commissioning:**		
Occupancy	**General Contractor:**		

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