



LEED for Schools Checklist Preliminary Assessment - May 28, 2008

Project Name: Hawaii Preparatory Academy - Energy Lab
Project Address: Kamuela, HI

Yes ? No

13	2	1	Sustainable Sites	16 Points	Responsible Party
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Y	Prereq 1	Construction Activity Pollution Prevention	Required	Civil Engineer
Y	Prereq 2	Environmental Site Assessment	Required	Civil Engineer
1	Credit 1	Site Selection - Option 2	1	Owner
1	Credit 2	Development Density & Community Connectivity	1	Inherent
1	Credit 3	Brownfield Redevelopment	1	
1	Credit 4.1	Alternative Transportation, Public Transportation Access - Option 2	1	Inherent/ Owner
1	Credit 4.2	Alternative Transportation, Bicycle Use	1	Owner
1	Credit 4.3	Alternative Transportation, Low-Emitting & Fuel-Efficient Vehicles - Option?	1	Owner
1	Credit 4.4	Alternative Transportation, Parking Capacity - Option 2?	1	Owner
1	Credit 5.1	Site Development, Protect or Restore Habitat	1	Arch./ Landscape Arch.
1	Credit 5.2	Site Development, Maximize Open Space - Option 2	1	Architect
1	Credit 6.1	Stormwater Design, Quantity Control - Option 1	1	Civil Engineer
1	Credit 6.2	Stormwater Design, Quality Control	1	Civil Engineer
1	Credit 7.1	Heat Island Effect, Non-Roof - Option 1	1	Arch./ Landscape Arch.
1	Credit 7.2	Heat Island Effect, Roof	1	Architect
1	Credit 8	Light Pollution Reduction	1	Architect
1	Credit 9	Site Master Plan	1	Architect
1	Credit 10	Joint Use of Facilities - Option 1	1	Owner

Yes ? No

7			Water Efficiency	7 Points	Responsible Party
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1	Credit 1.1	Water Efficient Landscaping, Reduce by 50%	1	MEP Engineer
1	Credit 1.2	Water Efficient Landscaping, No Potable Use or No Irrigation	1	MEP Engineer
1	Credit 2	Innovative Wastewater Technologies	1	MEP Engineer
1	Credit 3.1	Water Use Reduction, 20% Reduction	1	Architect
1	Credit 3.2	Water Use Reduction, 30% Reduction	1	Architect
1	Credit 3.3	Water Use Reduction, 40% Reduction	1	Architect
1	Credit 4	Process Water Use Reduction, 20% Reduction	1	MEP Engineer

Yes ? No

16			Energy & Atmosphere	17 Points	Responsible Party
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Y	Prereq 1	Fundamental Commissioning of the Building Energy Systems	Required	Commissioning Agent
Y	Prereq 2	Minimum Energy Performance	Required	Arch./ MEP Engr.
Y	Prereq 3	Fundamental Refrigerant Management	Required	MEP Engineer
10	Credit 1	Optimize Energy Performance (2 pt minimum)	2 to 10	Arch./ MEP Engr.
		<input type="checkbox"/> 14% New Buildings or 7% Existing Building Renovations	2	Arch./ MEP Engr.
		<input type="checkbox"/> 17.5% New Buildings or 10.5% Existing Building Renovations	3	Arch./ MEP Engr.
		<input type="checkbox"/> 21% New Buildings or 14% Existing Building Renovations	4	Arch./ MEP Engr.
		<input type="checkbox"/> 24.5% New Buildings or 17.5% Existing Building Renovations	5	Arch./ MEP Engr.
		<input type="checkbox"/> 28% New Buildings or 21% Existing Building Renovations	6	Arch./ MEP Engr.
		<input type="checkbox"/> 31.5% New Buildings or 24.5% Existing Building Renovations	7	Arch./ MEP Engr.
		<input type="checkbox"/> 35% New Buildings or 28% Existing Building Renovations	8	Arch./ MEP Engr.
		<input type="checkbox"/> 38.5% New Buildings or 31.5% Existing Building Renovations	9	Arch./ MEP Engr.
		<input checked="" type="checkbox"/> 42% New Buildings or 35% Existing Building Renovations	10	Arch./ MEP Engr.
3	Credit 2	On-Site Renewable Energy	1 to 3	
		<input type="checkbox"/> 2.5% Renewable Energy	1	Owner/ MEP Engr.
		<input type="checkbox"/> 7.5% Renewable Energy	1	Owner/ MEP Engr.
		<input checked="" type="checkbox"/> 12.5% Renewable Energy	1	Owner/ MEP Engr.
1	Credit 3	Enhanced Commissioning	1	Commissioning Agent
1	Credit 4	Enhanced Refrigerant Management	1	MEP Engineer
1	Credit 5	Measurement & Verification	1	Owner/ MEP Engr.
1	Credit 6	Green Power	1	

continued

Yes ? No

4	2	7	Materials & Resources	13 Points	Responsible Party
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Y	?	No				
Y			Prereq 1	Storage & Collection of Recyclables	Required	Architect
		1	Credit 1.1	Building Reuse , Maintain 75% of Existing Walls, Floors & Roof	1	
		1	Credit 1.2	Building Reuse , Maintain 95% of Existing Walls, Floors & Roof	1	
		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	Contractor
1			Credit 2.2	Construction Waste Management , Divert 75% from Disposal	1	Contractor
		1	Credit 3.1	Materials Reuse , 5%	1	
		1	Credit 3.2	Materials Reuse , 10%	1	
1			Credit 4.1	Recycled Content , 10% (post-consumer + ½ pre-consumer)	1	Architect
	1		Credit 4.2	Recycled Content , 20% (post-consumer + ½ pre-consumer)	1	Architect
	1		Credit 5.1	Regional Materials , 10% Extracted, Processed & Manufactured Regionally	1	Architect
		1	Credit 5.2	Regional Materials , 20% Extracted, Processed & Manufactured Regionally	1	
		1	Credit 6	Rapidly Renewable Materials	1	
1			Credit 7	Certified Wood	1	Architect

17	2	1	Indoor Environmental Quality	20 Points	Responsible Party
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Y	?	No				
Y			Prereq 1	Minimum IAQ Performance	Required	MEP Engineer
Y			Prereq 2	Environmental Tobacco Smoke (ETS) Control	Required	Owner
Y			Prereq 3	Minimum Acoustical Performance	Required	Architect
1			Credit 1	Outdoor Air Delivery Monitoring	1	MEP Engineer
1			Credit 2	Increased Ventilation	1	MEP Engineer
1			Credit 3.1	Construction IAQ Management Plan , During Construction	1	Contractor
1			Credit 3.2	Construction IAQ Management Plan , Before Occupancy	1	Contractor
3		1	Credit 4	Low-Emitting Materials	1 to 4	Architect
1			Credit 5	Indoor Chemical & Pollutant Source Control	1	Architect/ MEP Engr.
1			Credit 6.1	Lighting System Design & Controllability	1	MEP Engineer
1			Credit 6.2	Thermal Comfort , Controllability	1	MEP Engineer
1			Credit 7.1	Thermal Comfort , Design	1	MEP Engineer
1			Credit 7.2	Thermal Comfort , Verification	1	Owner
3			Credit 8.1	Daylight & Views , Daylighting	1 to 3	Architect
				1 75% of classrooms (<i>required for either points below</i>)	1	
				1 90% of classrooms	2	Architect
				1 75% of other spaces	3	Architect
1			Credit 8.2	Daylight & Views , Views for 90% of Spaces	1	Architect
1	1		Credit 9	Enhanced Acoustical Performance	1 to 2	Architect
	1		Credit 10	Mold Prevention	1	MEP Engineer

6			Innovation & Design Process	6 Points	Responsible Party
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Y	?	No				
1			Credit 1.1	Innovation in Design : Exemplary Performance of EA Credit 2	1	Owner/ MEP Engr.
1			Credit 1.2	Innovation in Design : Other	1	?
1			Credit 1.3	Innovation in Design : Other	1	?
1			Credit 1.4	Innovation in Design : Other	1	?
1			Credit 2	LEED® Accredited Professional	1	LEED Consultant
1			Credit 3	School as a Teaching Tool	1	Owner

63	6	10	Project Totals (pre-certification estimates)	79 Points	
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Certified: 29-36 points, Silver: 37-43 points, Gold: 44-57 points, Platinum: 58-79 points