

**DRAFT** North Campus Housing Phase 1  
**Attachment 3B - San Diego Campus Baseline**  
**UC Green Building Application Guide**

Scope	LEED 2.1	LEED Campus Only	Labs21 EPC Only	Item	Prerequisite	UC Point(s)	UC Mandatory	UC Discretionary	UCSD Baseline	UCSD Non-Lab Possible	UCSD Lab Possible	Notes
Sustainable Sites	Y			SS Prerequisite 1 - Erosion & Sedimentation Control	Y							
Sustainable Sites	Y			SS 1 - Site Selection		1		Y	1			
Sustainable Sites	Y			SS 2 - Development Density		1		Y	0	1	1	maybe
Sustainable Sites	Y			SS 3 - Brownfield Redevelopment		1		Y	0			
Sustainable Sites	Y			SS 4.1 - Alternative Transportation- Public Transportation Access		1		Y	1			
Sustainable Sites	Y			SS 4.2 - Alternative Transportation - Bicycle Storage & Changing Rooms		1		Y	0	1	1	maybe
Sustainable Sites	Y			SS 4.3 - Alternative Transportation - Alternative Fuel Vehicles		1		Y	0	1	1	maybe
Sustainable Sites	Y			SS 4.4 - Alternative Transportation- Parking Capacity		1		Y	1			
Sustainable Sites	Y			SS 5.1 - Reduced Site Disturbance- Protect or Restore Open Space		1		Y	0	1	1	maybe
Sustainable Sites	Y			SS 5.2 - Reduced Site Disturbance- Development Footprint		1		Y	0	1	1	maybe
Sustainable Sites	Y			SS 6.1 - Stormwater Management- Rate and Quantity		1		Y	0	1	1	maybe
Sustainable Sites	Y			SS 6.2 - Stormwater Management- Treatment		1		Y	0	1	1	maybe
Sustainable Sites	Y			SS 7.1 - Heat Island Effect - Non-Roof		1		Y	1			
Sustainable Sites	Y			SS 7.2 - Heat Islands Effect - Roof		1		Y	1			
Sustainable Sites	Y			SS 8.1 - Light Pollution Reduction - Exterior Lighting		1		Y	1			
Sustainable Sites		Y		(Campus AG) SS 8.2 - Light Pollution Reduction - Exterior Lighting Master Plan		1		Y				
Sustainable Sites		Y		(Campus AG) SS 9 - Mixed Use Development		1		Y				
Sustainable Sites		Y		(Campus AG) SS 10 - Natural Resource Salvage and Rescue, and Green Landscaping		1		Y				
Sustainable Sites				(Campus AG) SS 11 - Greenways and Wildlife Corridors		1		Y				
Sustainable Sites			Y	Labs21 SS 12.1 - Safety and Risk Management - Air Effluent		1		Y			1	labs only
Sustainable Sites			Y	Labs21 SS 12.2 - Safety & Risk Management - Water Effluent		1		Y			1	labs only
<b>BLE SITES SUBTOTAL:</b>									<b>6</b>	<b>7</b>	<b>9</b>	
Water Efficiency			Y	Labs21 WE Prerequisite 1 - Laboratory Equipment Water Use	Y							
Water Efficiency	Y			WE 1.1 - Water Efficient Landscaping- Reduce by 50%		1		Y	1			
Water Efficiency	Y			WE 1.2 - Water Efficient Landscaping- No Potable Use or No Irrigation		1		Y	0	1	1	maybe. Probable because of reclaimed water availability (+1) waterless urinals (probably no unrinals in the project)
Water Efficiency	Y			WE 2 - Innovative Wastewater Technologies		1		Y	0	1	1	
Water Efficiency	Y			WE 3.1 - Water Use Reduction - 20% Reduction		1		Y	0			ultra low flow showerheads and faucets could achieve this point.
Water Efficiency	Y			WE 3.2 - Water Use Reduction- 30% Reduction		1		Y	0			unlikely
Water Efficiency			Y	Labs21 WE 4.1 - Process Water Efficiency		1		Y			1	Labs only
Water Efficiency			Y	Labs21 WE 4.1 - Process Water Efficiency		1		Y			1	Labs only
<b>FFICIENCY SUBTOTAL:</b>									<b>1</b>	<b>2</b>	<b>4</b>	

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Energy & Atmosphere	Y			EA Prerequisite 1 - Fundamental Building Systems Commissioning	Y							
Energy & Atmosphere	Y			EA Prerequisite 2 - Minimum Energy Performance	Y							
Energy & Atmosphere	Y			EA Prerequisite 3 - CFC Reduction in HVAC&R Equipment	Y							
Energy & Atmosphere			Y	Labs21 EA Prerequisite 2 - Assess Minimum Ventilation Requirements	Y							
Energy & Atmosphere	Y			EA Credit 1 - Optimize Energy Performance		4	Y		4			May be difficult to even achieve the UCSD baseline. No cooling does not help T24 compliance (-2)
Energy & Atmosphere				EA Credit 1 - Optimize Energy Performance		6-10		Y	0			Unlikely to achieve
Energy & Atmosphere	Y			EA 2.1 - Renewable Energy- 5%		1		Y	0			Solar collectors for domestic hot water???
Energy & Atmosphere	Y			EA 2.2 - Renewable Energy - 10%		1		Y	0			
Energy & Atmosphere	Y			EA 2.3 - Renewable Energy- 20%		1		Y	0			
Energy & Atmosphere	Y			EA 3 - Additional Commissioning		1		Y	0	1	1	Costs additional fees but may be less for a naturally ventilated heating only building.
Energy & Atmosphere	Y			EA 4 - Ozone Protection		1		Y	0			No HCFC like R22 or 123 allowed. Needs to include refrigerators and freezers. Probable.(+1)
Energy & Atmosphere	Y			EA 5.1 - Measurement and Verification - Building Systems		1		Y	1			Unlikely for a residential building even though listed as baseline (-1)
Energy & Atmosphere		Y		(Campus AG) EA 5.2 - Measurement and Verification – Central Monitoring and Control		1		Y				
Energy & Atmosphere	Y			EA 6 - Green Power		1		Y	0			Unlikely
Energy & Atmosphere		Y		(Campus AG) EA 7 - Atmospheric Emissions		1		Y				
Energy & Atmosphere		Y		(Campus AG) EA 8 - CO2 Reduction		1		Y				
Energy & Atmosphere		Y		(Campus AG) EA 9.1 - Combined Heat and Power – 60% Efficiency		1		Y				
Energy & Atmosphere		Y		(Campus AG) EA 9.2 - Combined Heat and Power – 75% Efficiency		1		Y				
Energy & Atmosphere			Y	Labs21 EA 10 - Energy Supply Efficiency		1		Y			1	Labs only
Energy & Atmosphere			Y	Labs21 EA 11 - Improve Laboratory Equipment Efficiency		1	Y				1	Labs only
Energy & Atmosphere			Y	Labs21 EA 12.1 - Right-size Laboratory Equipment Load		1	Y				1	Labs only
Energy & Atmosphere			Y	Labs21 EA 12.2 - Right-size Laboratory Equipment Load - Metering		1		Y			1	Labs only
<b>OSPHERE SUBTOTAL:</b>									<b>5</b>	<b>1</b>	<b>5</b>	
Materials & Resources	Y			MR Prerequisite 1 - Storage & Collection of Recyclables	Y			Y				
Materials & Resources			Y	Labs21 MR Prerequisite 2 - Hazardous Material Handling	Y			Y				
Materials & Resources	Y			MR 1.1 - Building Reuse- Maintain 75% of Existing Walls, Floors and Roof		1		Y	0			
Materials & Resources	Y			MR 1.2 - Building Reuse-Maintain 100% of Existing Walls, Floors and Roof		1		Y	0			
Materials & Resources	Y			MR 1.3 - Building Reuse- Maintain 100% of Shell/Structure and 50% of Non-Shell/Non-Structure		1		Y	0			
Materials & Resources	Y			MR 2.1 - Construction Waste Management- Divert 50% From Landfill		1		Y	1			
Materials & Resources	Y			MR 2.2 - Construction Waste Management- Divert 75% From Landfill		1		Y	0	1	1	maybe
Materials & Resources	Y			MR 3.1 - Resource Reuse: 5%		1		Y	0			
Materials & Resources	Y			MR 3.2 - Resource Reuse- 10%		1		Y	0			
Materials & Resources	Y			MR 4.1 - Recycled Content: Use 5% post-consumer or 10% postconsumer + post-industrial		1		Y	0	1	1	maybe
Materials & Resources	Y			MR 4.2 - Recycled Content: Use 10% post-consumer or 20% post-consumer + post-industrial		1		Y	0			
Materials & Resources	Y			MR 5.1 - Regional Materials- 20% manufactured regionally		1		Y	1			
Materials & Resources	Y			MR 5.2 - Regional Materials- 50% extracted regionally		1		Y	0			
Materials & Resources	Y			MR 6 - Rapidly Renewable Materials		1		Y	0			
Materials & Resources	Y			MR 7 - Certified Wood		1		Y	0			

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Materials & Resources		Y	Y	(Campus AG) MR 8 - Site Recycling and Solid Waste Management Master Plan & Labs21 MR 8 - Chemical Resource Management		1		Y				
<b>SOURCES SUBTOTAL:</b>									2	2	2	

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Indoor Env't'l Quality	Y			IEQ Prerequisite 1 - Minimum IAQ Performance	Y							
Indoor Env't'l Quality	Y			IEQ Prerequisite 2 - Environmental Tobacco Smoke (ETS) Control	Y							
Indoor Env't'l Quality			Y	Labs21 IEQ Prerequisite 3 - Laboratory Ventilation	Y							
Indoor Env't'l Quality			Y	Labs21 IEQ Prerequisite 4 - Exterior Door Notification System	Y							
Indoor Env't'l Quality	Y			IEQ 1 - Carbon Dioxide (CO2) Monitoring		1		Y	0			
Indoor Env't'l Quality	Y			IEQ 2 - Ventilation Effectiveness		1		Y	0			maybe possible to achieve this point with optimized window selection for natural ventiaction (+1)
Indoor Env't'l Quality	Y			IEQ 3.1 - Construction IAQ Management Plan- During Construction		1		Y	1			
Indoor Env't'l Quality	Y			IEQ 3.2 - Construction IAQ Management Plan- After Construction		1		Y	1			
Indoor Env't'l Quality	Y			IEQ 4.1 - Low-Emitting Materials- Adhesives & Sealants		1		Y	1			
Indoor Env't'l Quality	Y			IEQ 4.2 - Low-Emitting Materials- Paints and Coatings		1		Y	1			
Indoor Env't'l Quality	Y			IEQ 4.3 - Low-Emitting Materials- Carpet		1		Y	1			
Indoor Env't'l Quality	Y			IEQ 4.4 - Low-Emitting Materials- Composite Wood		1		Y	0			
Indoor Env't'l Quality	Y			IEQ 5 - Indoor Chemical & Pollutant Source Control		1		Y	1			Does this mandate kitchen exhaust?
Indoor Env't'l Quality	Y			IEQ 6.1 - Controllability of Systems- Perimeter Spaces		1		Y	0			Probably can achieve with hydronic heat but not with forced air. Operable windows help. (+1)
Indoor Env't'l Quality	Y			IEQ 6.2 - Controllability of Systems- Non-Perimeter Spaces		1		Y	0			
Indoor Env't'l Quality	Y			IEQ 7.1 - Thermal Comfort- Compliance with ASHRAE 55-1992			1	Y	1			for naturally ventilated building need to use ASHRAE modified standard
Indoor Env't'l Quality	Y			IEQ 7.2 - Thermal Comfort- Permanent Monitoring System		1		Y	1			probably not baseline for this building since not tied into BMS ssystem (-1)
Indoor Env't'l Quality	Y			IEQ 8.1 - Daylight and Views- Daylight 75% of Spaces		1		Y	0			May be achieved (+1)
Indoor Env't'l Quality	Y			IEQ 8.2 - Daylight and Views- Views for 90% of Spaces		1		Y	0			Probably can achieve (+1)
Indoor Env't'l Quality		Y		(Campus AG) IEQ 9 - Lighting Quality		1		Y				
Indoor Env't'l Quality		Y		(Campus AG) IEQ 10 - Acoustic Quality		1		Y				
Indoor Env't'l Quality			Y	Labs21 IEQ 11 - Indoor Environmental Safety		1		Y			1	Labs only
<b>QUALITY SUBTOTAL:</b>									<b>8</b>			<b>8</b>
Innovation in Design	Y	Y	Y	ID 1 - Innovation in Design		1		Y	0	1	1	
Innovation in Design	Y	Y	Y	ID 2 - LEED Accredited Professional		1		Y	1			We should be able to get an innovation point somehow (+1)
<b>INNOVATION IN DESIGN SUBTOTAL:</b>									<b>1</b>	<b>1</b>	<b>1</b>	
<b>TOTAL BASELINE:</b>									<b>23</b>			
<b>Possible Additional (including labs &amp; non-labs):</b>										<b>13</b>	<b>21</b>	
<b>TOTAL: BASELINE + Possible:</b>										<b>36</b>	<b>44</b>	