

# Air Force MILCON Sustainability Requirements Scoresheet

version LEED® 2009 (Updated September 2013)

\* required entry

General Information	
XXXX123456	Project ID (e.g. ABCD12345)
xxxxxxxxxxxxxxxxxxxx	Real Property Unique ID (RPUID)
General Maintenance/Periodic Inspection (GM/PE Hangar) - Prototype Design	Building Name
New Building Construction	Project Type
Other	Installation
Other	City
Other	State
Other	CONUS
Air Combat Command	MAJCOM
TBD	PM Name
\$0.00	PA (\$k)
80,753	Building Size (SF)
2015	Program Year (FY####)
Initial Design Charrette	Project Phase
2015	Design Started (FY####)
10/9/2017	BOD (MM/DD/YY)
In Progress	Pursuing formal LEED® Certification
	<input type="text"/> Date Project Registered (MM/DD/YY) <input type="text"/> Date Project Certified by GBCI (MM/DD/YY) <input type="text"/> LEED Points Awarded by GBCI (e.g. 42) <input type="text"/> LEED Energy and Water Points Awarded by GBCI <input type="text"/> [Select] LEED Certification Level Awarded by GBCI  Registration      Certification Fees (\$) <input type="text"/> <input type="text"/>
LEED® 2009	LEED® Rating System
43	LEED® Points Status
Certified	LEED® Certification Level Status
19	LEED® Energy and Water Points Status
91%	HPSB Compliant
26%	Energy Efficiency Achieved (% below ANSI/ASHRAE/IESNA Standard 90.1-2010)
2/27/2015	Date Scoresheet Completed or Revised
2013_V0	Scoresheet version

Federal Requirements Complete

Color Coding: See Instructions Tab for more detail	
Drop-Down Box	Recommended (not required)
No Entry Required	Yes or N/A
Custom Entry	Maybe
LEED Prerequisite	No

\* required entry

Federal Requirements for High Performance and Sustainable Buildings (HPSB) & UFC 1-200-02			
<b>HPSB I: Employ Integrated Design Principles (UFC 1-200-02 para 2-2)</b>			
Total Points	2	Possible Points	2
Yes	HPSB I.1	Integrated Design	1
Yes	HPSB I.2	Commissioning	1
<b>UFC 1-200-02 para 2-3. Promote Sustainable Location and Site Development</b>			
Total Points	0	Possible Points (HPSB only)	1
Maybe	UFC para 2-3.1	Site selection	1
Maybe	UFC para 2-3.2	Mitigation of Heat Island Effect	1
Yes	UFC para 2-3.3	Reduction of Light Pollution	1
Maybe	HPSB III.3-4	Stormwater Management	1

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HPSB II: Optimize Energy Performance (UFC 1-200-02 para 2-4)		Possible Points									
Total Points	4	Possible Points	4								
Yes	HPSB II.1	<b>Energy Efficiency</b>	1								
		<table border="1"> <tr> <td>Yes</td> <td>Reduce energy use 30% below ANSI/ASHRAE/IESNA Standard 90.1-2010 or if not - achieve maximum energy efficiency that is lifecycle cost effective</td> </tr> <tr> <td>26.0%</td> <td>Insert percentage below ANSI/ASHRAE/IESNA Standard 90.1-2010 in terms of energy use (e.g. 32)</td> </tr> <tr> <td>0</td> <td>Insert building energy intensity (kBtu/yr-sqft) calculated IAW 10 CFR 433</td> </tr> </table>	Yes	Reduce energy use 30% below ANSI/ASHRAE/IESNA Standard 90.1-2010 or if not - achieve maximum energy efficiency that is lifecycle cost effective	26.0%	Insert percentage below ANSI/ASHRAE/IESNA Standard 90.1-2010 in terms of energy use (e.g. 32)	0	Insert building energy intensity (kBtu/yr-sqft) calculated IAW 10 CFR 433			
Yes	Reduce energy use 30% below ANSI/ASHRAE/IESNA Standard 90.1-2010 or if not - achieve maximum energy efficiency that is lifecycle cost effective										
26.0%	Insert percentage below ANSI/ASHRAE/IESNA Standard 90.1-2010 in terms of energy use (e.g. 32)										
0	Insert building energy intensity (kBtu/yr-sqft) calculated IAW 10 CFR 433										
Yes	HPSB II.2	<b>On-site Renewable Energy - Solar Hot Water Heater System</b>	1								
		<table border="1"> <tr> <td>Yes</td> <td>Installed solar hot water heater system or found installation not lifecycle cost effective</td> </tr> <tr> <td>0.0</td> <td>Insert generation capacity (MMBtu/yr)</td> </tr> <tr> <td>0.0%</td> <td>Insert percentage of demand</td> </tr> </table>	Yes	Installed solar hot water heater system or found installation not lifecycle cost effective	0.0	Insert generation capacity (MMBtu/yr)	0.0%	Insert percentage of demand			
Yes	Installed solar hot water heater system or found installation not lifecycle cost effective										
0.0	Insert generation capacity (MMBtu/yr)										
0.0%	Insert percentage of demand										
Yes	HPSB II.3	<b>On-site Renewable Energy</b>	1								
		<table border="1"> <tr> <td>Yes</td> <td>Installed renewable energy elements or projects were not lifecycle cost effective</td> </tr> <tr> <td>0</td> <td>Renewable energy types (check below)</td> </tr> </table> <p> <input type="checkbox"/> Solar PV    <input type="checkbox"/> Geothermal    <input type="checkbox"/> Hydro    <input type="checkbox"/> Waste to Energy  <input type="checkbox"/> Solar CP    <input type="checkbox"/> GSHP    <input type="checkbox"/> Wind    <input checked="" type="checkbox"/> Renewables were not  <input type="checkbox"/> Solar Thermal Electric                 </p> <table border="1"> <tr> <td></td> <td>Insert generation capacity (kW)</td> </tr> <tr> <td></td> <td>Insert percentage of total building</td> </tr> </table>	Yes	Installed renewable energy elements or projects were not lifecycle cost effective	0	Renewable energy types (check below)		Insert generation capacity (kW)		Insert percentage of total building	
Yes	Installed renewable energy elements or projects were not lifecycle cost effective										
0	Renewable energy types (check below)										
	Insert generation capacity (kW)										
	Insert percentage of total building										
Yes	HPSB II.4	<b>Measurement and Verification</b>	1								
		<table border="1"> <tr> <td>Yes</td> <td>Water Metering: Select N/A if no service</td> </tr> <tr> <td>Yes</td> <td>Electric Metering: Select N/A if no service</td> </tr> <tr> <td>Yes</td> <td>Natural Gas Metering: Select N/A if no service</td> </tr> <tr> <td>N/A</td> <td>Steam Metering: Select N/A if no service</td> </tr> </table>	Yes	Water Metering: Select N/A if no service	Yes	Electric Metering: Select N/A if no service	Yes	Natural Gas Metering: Select N/A if no service	N/A	Steam Metering: Select N/A if no service	
Yes	Water Metering: Select N/A if no service										
Yes	Electric Metering: Select N/A if no service										
Yes	Natural Gas Metering: Select N/A if no service										
N/A	Steam Metering: Select N/A if no service										
HPSB III: Protect and Conserve Water (UFC 1-200-02 para 2-5)		Possible Points									
Total Points	3	Possible Points	3								
Yes	HPSB III.1	<b>Indoor Water</b>	1								
Yes	HPSB III.2	<b>Outdoor Water</b>	1								
Yes	HPSB III.4	<b>Water used for heating and cooling</b>	1								
		<table border="1"> <tr> <td>Yes</td> <td>Water efficient measures were implemented with heating and cooling equipment when life cycle effective</td> </tr> </table>	Yes	Water efficient measures were implemented with heating and cooling equipment when life cycle effective							
Yes	Water efficient measures were implemented with heating and cooling equipment when life cycle effective										
HPSB IV: Enhance Indoor Environmental Quality (UFC 1-200-02 para 2-6)		Possible Points									
Total Points	5	Possible Points	6								
Yes	HPSB IV.1	<b>Thermal Comfort</b>	1								
Yes	HPSB IV.2	<b>Ventilation</b>	1								
Yes	HPSB IV.3	<b>Moisture Control</b>	1								
Maybe	HPSB IV.4	<b>Daylighting</b>	1								
Yes	HPSB IV.5	<b>Low Emitting Materials</b>	1								
Yes	HPSB IV.6	<b>Protect Indoor Air Quality during Construction</b>	1								
Yes	HPSB IV.7	<b>Environmental Tobacco Smoke</b>	1								
HPSB V: Reduce Environmental Impact of Materials (UFC 1-200-02 para 2-6)		Possible Points									
Total Points	6	Possible Points	6								
Yes	HPSB V.1	<b>Recycled Content</b>	1								
Yes	HPSB V.2	<b>Biologically-based Products</b>	1								
Yes	HPSB V.3	<b>Environmentally Preferable Products</b>	1								
Yes	HPSB V.4	<b>Waste and Materials Management - Recycling</b>	1								
Yes	HPSB V.5	<b>Waste and Materials Management - Divert 50% from Disposal</b>	1								
		<table border="1"> <tr> <td>50.0%</td> <td>Insert percentage diverted from landfill</td> </tr> <tr> <td></td> <td>Data element is not applicable</td> </tr> </table>	50.0%	Insert percentage diverted from landfill		Data element is not applicable					
50.0%	Insert percentage diverted from landfill										
	Data element is not applicable										
Yes	HPSB V.6	<b>Ozone Depleting Substances</b>	1								
<b>HPSB Totals</b>		<b>Possible Points</b>	<b>22</b>								
20	Federal Requirements - Yes or N/A										
2	Federal Requirements - Maybe										
0	Federal Requirements - No										
91%	Percentage of Federal Requirements Met										

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LEED® 2009 Checklist			
LEED® Credits and/or Prerequisites that meet HPSB/UFC Requirements			
LEED® Credits and/or Prerequisites that align closely with HPSB/UFC Requirements			
LEED® Credits that meet USAF Energy & Water Criteria (may depend on technologies & strategies)			
<b>Sustainable Sites</b>			
Achievable Points	7	Sustainable Sites	Possible Points 26
Yes	Prereq 1	Construction Activity Pollution Prevention (HPSB GP3)	Required
Maybe	Credit 1	Site Selection	1
Maybe	Credit 2	Development Density & Community Connectivity	5
Maybe	Credit 3	Brownfield Redevelopment	1
Maybe	Credit 4.1	Alternative Transportation - Public Transportation Access	6
Yes	Credit 4.2	Alternative Transportation - Bicycle Storage & Changing Rooms	1
Yes	Credit 4.3	Alternative Transportation - Low-Emitting & Fuel Efficient Vehicles	3
Yes	Credit 4.4	Alternative Transportation - Parking Capacity	2
Maybe	Credit 5.1	Site Development - Protect or Restore Habitat	1
Maybe	Credit 5.2	Site Development - Maximize Open Space	1
	Credit 6.1	Stormwater Design - Quantity Control (HPSB GP3)	1
	Credit 6.2	Stormwater Design - Quality Control (HPSB GP3)	1
Maybe	Credit 7.1	Heat Island Effect - Non-Roof (UFC)	1
Maybe	Credit 7.2	Heat Island Effect - Roof (UFC)	1
Yes	Credit 8	Light Pollution Reduction	1
		Select which LEED® Interior Lighting Option was used	
<b>Water Efficiency</b>			
Achievable Points	7		Possible Points 10
Yes	Prereq 1	Water Use Reduction - 20% Reduction (HPSB GP3)	Required
4	Credit 1	Water Efficient Landscaping (HPSB GP3)	2 to 4
		2 Reduce Potable Water Use by 50% (HPSB GP3)	2
		4 No Potable Use or Irrigation (HPSB GP3)	2
Maybe	Credit 2	Innovative Wastewater Technologies	2
3	Credit 3	Water Use Reduction (HPSB GP3)	2 to 4
		2 30% Reduction (HPSB GP3)	2
		3 35% Reduction (HPSB GP3)	1
		4 40% Reduction (HPSB GP3)	1
<b>Energy &amp; Atmosphere</b>			
Achievable Points	14		Possible Points 35
Yes	Prereq 1	Fundamental Commissioning of the Building Energy Systems (HPSB GP1)	Required
Yes	Prereq 2	Minimum Energy Performance (HPSB GP2)	Required
Yes	Prereq 3	Fundamental Refrigerant Management (HPSB GP5)	Required
10	Credit 1	Optimize Energy Performance (HPSB GP2)	1 to 19
		1 12% for New Buildings/8% for Existing Building Renovations	1
		2 14% for New Buildings/10% for Existing Building Renovations	1
		3 16% for New Buildings/12% for Existing Building Renovations	1
		4 18% for New Buildings/14% for Existing Building Renovations	1
		5 20% for New Buildings/16% for Existing Building Renovations	1
		6 22% for New Buildings/18% for Existing Building Renovations	1
		7 24% for New Buildings/20% for Existing Building Renovations	1
		8 26% for New Buildings/22% for Existing Building Renovations	1
		9 28% for New Buildings/24% for Existing Building Renovations	1
		10 30% for New Buildings/26% for Existing Building Renovations	1
		11 32% for New Buildings/28% for Existing Building Renovations	1
		12 34% for New Buildings/30% for Existing Building Renovations	1
		13 36% for New Buildings/32% for Existing Building Renovations	1
		14 38% for New Buildings/34% for Existing Building Renovations	1
		15 40% for New Buildings/36% for Existing Building Renovations	1
		16 42% for New Buildings/38% for Existing Building Renovations	1
		17 44% for New Buildings/40% for Existing Building Renovations	1
		18 46% for New Buildings/42% for Existing Building Renovations	1
		19 48%+ for New Buildings/44%+ for Existing Building Renovations	1
0	Credit 2	On-Site Renewable Energy (HPSB GP2)	1 to 7
		1 On-site 1%	1
		2 On-site 3%	1
		3 On-site 5%	1
		4 On-site 7%	1
		5 On-site 9%	1
		6 On-site 11%	1
		7 On-site 13%	1
Yes	Credit 3	Enhanced Commissioning (HPSB GP1)	2
Yes	Credit 4	Enhanced Refrigerant Management (HPSB GP5)	2
Maybe	Credit 5	Measurement & Verification (HPSB GP2)	3
Maybe	Credit 6	Green Power	2

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Materials & Resources		Possible Points	
Achievable Points	6	Possible Points	14
Yes	Prereq 1	<b>Storage &amp; Collection of Recyclables (HPSB GP5)</b>	Required
0	Credit 1.1	<b>Building Reuse - Maintain Existing Walls Floors &amp; Roof</b>	1 to 3
		1 Maintain 55% of Existing Walls Floors & Roof	1
		2 Maintain 75% of Existing Walls Floors & Roof	1
		3 Maintain 95% of Existing Walls Floors & Roof	1
Maybe	Credit 1.2	<b>Building Reuse - Maintain 50% of Interior Non-Structural Elements</b>	1
0	Credit 2	<b>Construction Waste Management (HPSB GP5)</b>	1 to 2
		1 50% Recycled or Salvaged	1
		2 75% Recycled or Salvaged	1
0	Credit 3	<b>Materials Reuse</b>	1 to 2
		1 5% of value of material reused content	1
		2 10% of value of material reused content	1
2	Credit 4	<b>Recycled Content (HPSB GP5)</b>	1 to 2
		1 10% of value of material recycled content	1
		2 20% of value of material recycled content	1
2	Credit 5	<b>Regional Materials</b>	1 to 2
		1 10% Extracted, Processed & Manufactured	1
		2 20% Extracted, Processed & Manufactured	1
Yes	Credit 6	<b>Rapidly Renewable Materials (HPSB GP5)</b>	1
Yes	Credit 7	<b>Certified Wood (HPSB GP5)</b>	1
Indoor Environmental Quality		Possible Points	
Achievable Points	9	Possible Points	15
Yes	Prereq 1	<b>Minimum IAQ Performance (HPSB GP4)</b>	Required
Yes	Prereq 2	<b>Environmental Tobacco Smoke (ETS) Control (HPSB GP4)</b>	Required
Maybe	Credit 1	<b>Outside Air Delivery Monitoring</b>	1
Yes	Credit 2	<b>Increased Ventilation</b>	1
Maybe	Credit 3.1	<b>Construction IAQ Management Plan, During Construction (HPSB GP4)</b>	1
Yes	Credit 3.2	<b>Construction IAQ Management Plan, Before Occupancy (HPSB GP4)</b>	1
Yes	Credit 4.1	<b>Low Emitting Materials, Adhesives &amp; Sealants (HPSB GP4)</b>	1
Yes	Credit 4.2	<b>Low Emitting Materials, Paints &amp; Coatings (HPSB GP4)</b>	1
Yes	Credit 4.3	<b>Low Emitting Materials, Flooring Systems (HPSB GP4)</b>	1
Yes	Credit 4.4	<b>Low Emitting Materials, Composite Wood &amp; Agrifiber Products (HPSB GP4)</b>	1
Yes	Credit 5	<b>Indoor Chemical &amp; Pollutant Source Control</b>	1
Yes	Credit 6.1	<b>Controllability of Systems, Lighting (HPSB GP4)</b>	1
Maybe	Credit 6.2	<b>Controllability of Systems, Thermal Comfort</b>	1
Yes	Credit 7.1	<b>Thermal Comfort, Design (HPSB GP4)</b>	1
Maybe	Credit 7.2	<b>Thermal Comfort, Verification</b>	1
Maybe	Credit 8.1	<b>Daylight &amp; Views - Daylight 75% of Spaces (HPSB GP4)</b>	1
Maybe	Credit 8.2	<b>Daylight &amp; Views - Views for 90% of Spaces</b>	1
Innovation & Design Process		Possible Points	
Achievable Points	0	Possible Points	6
	Credit 1.1	<b>Innovation in Design 1.1</b>	1
		Select if ID 1.1 was for energy and/or water	
	Credit 1.2	<b>Innovation in Design 1.2</b>	1
		Select if ID 1.2 was for energy and/or water	
	Credit 1.3	<b>Innovation in Design 1.3</b>	1
		Select if ID 1.3 was for energy and/or water	
	Credit 1.4	<b>Innovation in Design 1.4</b>	1
		Select if ID 1.4 was for energy and/or water	
	Credit 1.5	<b>Innovation in Design 1.5</b>	1
		Select if ID 1.5 was for energy and/or water	
	Credit 2	<b>LEED® Accredited Professional</b>	1
Regional Priority Credits		Possible Points	
Achievable Points	0	Possible Points	4
	Credit 1.1	<b>Regional Priority 1.1</b>	1
		Select if RP 1.1 was for energy and/or water	
	Credit 1.2	<b>Regional Priority 1.2</b>	1
		Select if RP 1.2 was for energy and/or water	
	Credit 1.3	<b>Regional Priority 1.3</b>	1
		Select if RP 1.3 was for energy and/or water	
	Credit 1.4	<b>Regional Priority 1.4</b>	1
		Select if RP 1.4 was for energy and/or water	
LEED Project Totals (pre-certification estimates)		Possible Points	
Achievable Points	43	Possible Points	110
43	Total LEED® Yes Points		
18	Total LEED® Maybe Points		
0	Total LEED® No Points		
19	Total LEED® Energy and Water Related Points		
Certified	LEED® Certification Status		
N/A	LEED® Horizontal Benchmark Level		
N/A	LEED® Utility Benchmark Level		
N/A	LEED® Industrial Benchmark Level		

LEED®: Certified: 40-49 points, Silver: 50-59 points, Gold: 60-79 points, Platinum: 80-110