

# High Performance Sustainable Building Checklist

The Army will now utilize the Council on Environmental Quality (CEQ) Guiding Principles for Sustainable Federal Buildings checklists. An update to tools, criteria, and checklists are coming soon.

## PROJECT INFORMATION

Project No.: \_\_\_\_\_ FY \_\_\_\_\_ MILCON Project No. / Other Customer Reference No.: \_\_\_\_\_  
 Project Title: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Project Manager: \_\_\_\_\_ Project Design Level: \_\_\_\_\_  
 Facility Area: \_\_\_\_\_ Units (SF/SM): \_\_\_\_\_ Category Code: \_\_\_\_\_ Facility #: \_\_\_\_\_  
 AE Firm Name: \_\_\_\_\_  
 AE Contract # & T.O.: \_\_\_\_\_ AE Sustainability POC: \_\_\_\_\_  
 Construction Contractor: \_\_\_\_\_ Award Date: \_\_\_\_\_  
 Construction Contract & T.O.: \_\_\_\_\_ BOD Date: \_\_\_\_\_  
 Contractor Sustainability POC: \_\_\_\_\_

## SUSTAINABILITY DATA - GUIDING PRINCIPLES for SUSTAINABLE DEVELOPMENT

### OVERALL COMPLIANCE:

**Complies with UFC 1-200-02 and Agency Sustainability Policy Building**

**Does not meet the criteria for tracking in UFC 1-200-02/Policy**

**An Exemption has been:      Requested      Granted      N/A**

### BUILDING IDENTIFICATION:

- 1 How many buildings are included in this project?
- 2 Of those, which building is this form for?
- 3 New building or stand-alone addition greater than or equal to 10,000 GSF?    Yes            No

- If project is for more than one building for which tracking is required, complete a separate form for each building.
- If an element was not achieved at project completion, mark "Not Attained" and include a justification in the "Not attained reason" field.

### DOCUMENTATION OF COMPLIANCE WITH GUIDING PRINCIPLES

#### I. Employ Integrated Design Principles

##### 1 Integrated Design

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
		Mission preclusion		Building/site issue
		Not LCCE		Renovation only: not part of scope
		Installation/region issue		
	Not attained reason			

##### 2 Commissioning

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
		Mission preclusion		Building/site issue
		Not LCCE		Renovation only: not part of scope
		Installation/region issue		
	Not attained reason			
	(i) Systems commissioned			

**II. Optimize Energy Performance**

3. Energy Efficiency

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
		Mission preclusion		Building/site issue
		Not LCCE		Renovation only: not part of scope
		Installation/region issue		
Not attained reason	<input type="text"/>			
(i) Energy Savings Below Baseline %				
(ii) Energy Standard	ASHRAE 90.1-2013 (06NOV16+)		IECC	
	ASHRAE 90.1-2016		OTHER:	
	<input type="text"/>			

C. Energy Efficient Products

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
		Mission preclusion		Building/site issue
		Not LCCE		Renovation only: not part of scope
		Installation/region issue		
Not attained reason	<input type="text"/>			

4. Renewable Energy

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
		Mission preclusion		Building/site issue
		Not LCCE		Renovation only: not part of scope
		Installation/region issue		
Not attained reason	<input type="text"/>			

A. Renewable energy technology types

- |                                    |   |
|------------------------------------|---|
| Geothermal                         | Daylighting (quantified passive)        |
| Ground Source Heat Pumps           | Mechanical (i.e., direct water pumping) |
| Solar Photovoltaic                 | Micro-hydro                             |
| Solar Thermal - domestic hot water | Concentrating (sterling)                |
| Solar Thermal - space conditioning | Wind                                    |

(i) Annual % of total load

(ii) System size (kwatts)

B. Solar Hot Water Percentage - 30% target

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
		Mission preclusion		Building/site issue
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		Installation/region issue		
Not attained reason	<input type="text"/>			
(i) Annual % of total load	<input type="text"/>			
(ii) System size (kBTU/Year)	<input type="text"/>			

5. Meter (Energy)

Attained In Compliance  Yes  N/A  Not Attained  
 N/A due to  
 Mission preclusion  Building/site issue  
 Not LCCE  Renovation only: not part of scope  
 Installation/region issue

Not attained reason

6. Energy Use Intensity kBTU/Sq Ft/Year

(i) Total Design Energy Use Intensity (EUI): kBTU/Sq Ft/Year

III. Protect and Conserve Water

7. Indoor Water Use

A. Water-Efficient Products

Attained In Compliance  Yes  N/A  Not Attained  
 N/A due to  
 Mission preclusion  Building/site issue  
 Not LCCE  Renovation only: not part of scope  
 Installation/region issue

Not attained reason

(i) Total Design Indoor Water Use Intensity (WUI): Gallons/Sq Ft/Year

B. Indoor Water Meter

Attained In Compliance  Yes  N/A  Not Attained  
 N/A due to  
 Mission preclusion  Building/site issue  
 Not LCCE  Renovation only: not part of scope  
 Installation/region issue

Not attained reason

8. Outdoor Water Use

A. Outdoor Water Meter (for 25,000 SF of irrigation)

(i) Is there a permanent irrigation system serving more than 25,000 SF of landscaping?  
 Yes  No

(ii) Water Meter

Attained In Compliance  Yes  N/A  Not Attained  
 N/A due to  
 Mission preclusion  Building/site issue  
 Not LCCE  Renovation only: not part of scope  
 Installation/region issue

Not attained reason

B. Water-efficient landscape

Attained In Compliance  Yes  N/A  Not Attained  
 N/A due to  
 Mission preclusion  Building/site issue  
 Not LCCE  Renovation only: not part of scope  
 Installation/region issue

Not attained reason

9. Alternative Water Use

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
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		Installation/region issue		

Not attained reason

Methods Used:	Air Handler Condensate Capture	Reclaimed Water
	Grey Water	Treated Wastewater
	Harvested Rainwater	OTHER:

10. Stormwater Management - update the LID Data tab

**IV. Enhance Indoor Environmental Quality**

11. Ventilation and Thermal Comfort

A. Ventilation

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
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Not attained reason

B. Thermal Comfort

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
		Mission preclusion		Building/site issue
		Not LCCE		Renovation only: not part of scope
		Installation/region issue		

Not attained reason

12. Daylighting and Lighting Controls

A. Daylight

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
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Not attained reason

B. Automatic dimming controls

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
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		Not LCCE		Renovation only: not part of scope
		Installation/region issue		

Not attained reason

13. Indoor Air Quality

A. Moisture Control

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
		Mission preclusion		Building/site issue
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		Installation/region issue		

Not attained reason

B. Low-Emitting Materials

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
		Mission preclusion		Building/site issue
		Not LCCE		Renovation only: not part of scope
		Installation/region issue		

Not attained reason

C. Indoor Air Quality during Construction

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
		Mission preclusion		Building/site issue
		Not LCCE		Renovation only: not part of scope
		Installation/region issue		

Not attained reason

14. Occupant Health and Wellness

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
		Mission preclusion		Building/site issue
		Not LCCE		Renovation only: not part of scope
		Installation/region issue		

Not attained reason

**V. Reduce the Environmental Impact of Materials**

15. Material Content and Performance

A. Resource Conservation and Recovery Act (RCRA) Section 6002 (recycled content)

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
		Mission preclusion		Building/site issue
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		Installation/region issue		

Not attained reason

B. Farm Security and Rural Investment Act (FSRIA) section 9002 (Biobased content)

<u>Attained</u>	In Compliance	Yes	N/A	Not Attained
		N/A due to		
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		Installation/region issue		

Not attained reason

