

**NAVFAC HIGH PERFORMANCE AND SUSTAINABLE BUILDING CHECKLIST -- ATTAINED**

**PROJECT INFORMATION**

Work Order No.: \_\_\_\_\_ FY \_\_\_\_\_ MILCON P No. / Customer Reference No.: \_\_\_\_\_  
 Project Title: \_\_\_\_\_  
 Location UIC/Name: \_\_\_\_\_  
 NAVFAC Project Manager: \_\_\_\_\_ Project Design Level: \_\_\_\_\_  
 Facility Area: \_\_\_\_\_ U/M: \_\_\_\_\_ Category Code: \_\_\_\_\_ Facility #: \_\_\_\_\_  
 AE Contract # & T.O. \_\_\_\_\_ AE Firm Sustainability Coordinator: \_\_\_\_\_  
 AE Firm Name: \_\_\_\_\_  
 Project Phase: *Construction Complete (Final)*  
 Construction Contract & T.O. \_\_\_\_\_ Award Date (A): \_\_\_\_\_ BOD (A): \_\_\_\_\_  
 Construction Contractor: \_\_\_\_\_  
 Contractor's Sustainability Coordinator: \_\_\_\_\_

**SUSTAINABILITY DATA - GUIDING PRINCIPLES for SUSTAINABLE DEVELOPMENT**

**Use this form to collect Construction Attained information to be recorded on the Sustainable and Energy Tab in eProjects**

- NOTE:** 1. When an element is marked "Yes" on "Goals" form, it is a contract requirement.  
 2. If that element was not achieved at project completion, mark "Not Attained" and include a justification in the "Not attained reason" field.  
 3. Mark "N/A" with justification(s) only when the element was also marked "N/A" on the "Goals" form.  
 4. If project is for more than one building for which tracking is required, complete a separate form for each building.

**PRELIMINARY PROJECT INFORMATION**

- 1 How many buildings are included in this project? \_\_\_\_\_
- 2 Does at least one building meet one of the following: 1) new construction (new building or addition to existing);  
 - OR - 2) Renovation in an existing building, with construction cost greater than \$3M? \_\_\_\_\_ Yes \_\_\_\_\_ No
- 3 Identify the building to be tracked in this tab: \_\_\_\_\_

**AS CONSTRUCTED - DOCUMENTATION OF COMPLIANCE WITH GUIDING PRINCIPLES**

**I. Employ Integrated Design Principles**

1 Integrated Design

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

2 Commissioning

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) Systems commissioned

**II. Optimize Energy Performance**

**3. Energy Efficiency**

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) Energy Savings Below Baseline %

(ii) Energy Standard

ASHRAE 90.1-2004 (03JAN07-09AUG12)  IECC

ASHRAE 90.1-2007 (10AUG12-08JUL14)  OTHER:

ASHRAE 90.1-2010 (09JUL14-05NOV16)

ASHRAE 90.1-2013 (06NOV16+)

**C. Energy 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

**4. Renewable 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

**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**

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) Annual % of total load

(ii) System size (kBTU/Year)

5. Metering (Measurement)

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

(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 [ ]

C. Reduce landscape potable water use

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) Percent potable water use is reduced

9. Alternative Water Use

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

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

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. Thermal Comfort

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

12. Daylighting and Lighting Controls

A. Daylight

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. Automatic dimming controls

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

13. Indoor Air Quality

A. Moisture Control

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. Low-Emitting Materials

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

C. Indoor Air Quality during Construction

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

14. Occupant Health and Wellness

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

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

15. Material Content and Performance

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

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

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

C. Ozone depleting Compounds

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

16. Waste Management

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

17. Waste Diversion - 60% target

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) Percent diverted

**VI. Assess and Consider Climate Change Risks**

18. Address Climate Change Risk

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

### THIRD PARTY CERTIFICATION INFORMATION

Does at least one building meet one of the following: \_\_\_\_\_ Yes \_\_\_\_\_ No

1) New construction with construction cost greater than \$3M? - **OR** -

2) In an existing building larger than 5,000 SF, renovation with construction cost greater than \$3M and 50% estimated replacement cost (ERC)?

#### Sustainability Third Party Certification Rating

Third Party Certification Rating System and Level

\_\_\_\_\_ USGBC LEED Certified

\_\_\_\_\_ USGBC LEED Silver

\_\_\_\_\_ USGBC LEED Gold

\_\_\_\_\_ USGBC LEED Platinum

\_\_\_\_\_ USGBC "Guiding Principles Assessment"

\_\_\_\_\_ OTHER

\_\_\_\_\_ GBI Green Globes 1 Globe

\_\_\_\_\_ GBI Green Globes 2 Globe

\_\_\_\_\_ GBI Green Globes 3 Globe

\_\_\_\_\_ GBI Green Globes 4 Globe

\_\_\_\_\_ GBI "Guiding Principles Compliance"

i. Third Party Certification Rating system - Other