

## NAVFAC HIGH PERFORMANCE AND SUSTAINABLE BUILDING CHECKLIST -- GOALS

### 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: \_\_\_\_\_ Design Start / PDA \_\_\_\_\_ Solicitation Documents Complete \_\_\_\_\_  
 Construction Contract \_\_\_\_\_ Award Date (P): \_\_\_\_\_ BOD (P): \_\_\_\_\_

### SUSTAINABILITY DATA - GUIDING PRINCIPLES for SUSTAINABLE DEVELOPMENT

Use this form to collect Design Goals information to be recorded on the Sustainable and Energy Tab in eProjects

**NOTE:** 1. Mark "N/A" only when at least one of the listed justifications is applicable, and mark those justifications. Otherwise, mark "Yes."  
 2. 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 New building or stand-alone addition >=10,000 GSF  
 -OR-  
 Existing building renovation (including additions) >=10,000 GSF, and with a cost >\$3M and 50% Estimated Replacement Cost (ERC)? Yes \_\_\_\_\_ No \_\_\_\_\_
- 3 Identify the building to be tracked in this tab: \_\_\_\_\_

### DESIGN DEVELOPMENT - DOCUMENTATION OF COMPLIANCE WITH GUIDING PRINCIPLES

#### I. Employ Integrated Design Principles

##### 1 Integrated Design

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

##### 2 Commissioning

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

(i) Systems commissioned

#### II. Optimize Energy Performance

##### 3. Energy Efficiency

Goals In Compliance \_\_\_\_\_ Yes \_\_\_\_\_ N/A \_\_\_\_\_  
 N/A due to  
 \_\_\_\_\_ Mission preclusion \_\_\_\_\_ Building/site issue  
 \_\_\_\_\_ Not LCCE \_\_\_\_\_ Renovation only: not part of scope  
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(i) Energy Savings Below Baseline % \_\_\_\_\_

(ii) Energy Standard

\_\_\_\_\_ ASHRAE 90.1-2013 (06NOV16+)  
\_\_\_\_\_ ASHRAE 90.1-2016

\_\_\_\_\_ IECC  
\_\_\_\_\_ OTHER:

C. Energy Efficient Products

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

4. Renewable Energy

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

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

Goals In Compliance \_\_\_\_\_ Yes \_\_\_\_\_ N/A  
N/A due to  
\_\_\_\_\_ Mission preclusion \_\_\_\_\_ Building/site issue  
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\_\_\_\_\_ Installation/region issue

(i) Annual % of total load \_\_\_\_\_

(ii) System size (kBTU/Year) \_\_\_\_\_

5. Meter (Energy)

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

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

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

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

B. Indoor Water Meter

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

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

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

B. Water-efficient landscape

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

9. Alternative Water Use (indoor or outdoor water)

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

Methods Proposed:

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

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

B. Thermal Comfort

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

12. Daylighting and Lighting Controls

A. Daylight

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

B. Automatic dimming controls

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

13. Indoor Air Quality

A. Moisture Control

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

B. Low-Emitting Materials

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

C. Indoor Air Quality during Construction

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

14. Occupant Health and Wellness

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

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

15. Material Content and Performance

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

Goals In Compliance \_\_\_\_\_ Yes \_\_\_\_\_ N/A  
N/A due to  
\_\_\_\_\_ Mission preclusion \_\_\_\_\_ Building/site issue  
\_\_\_\_\_ Not LCCE \_\_\_\_\_ Renovation only: not part of scope  
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B. Farm Security and Rural Investment Act (FSRIA) section 9002 (Biobased content)

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

16. Waste Management

Goals In Compliance \_\_\_\_\_ Yes \_\_\_\_\_ N/A  
N/A due to  
\_\_\_\_\_ Mission preclusion \_\_\_\_\_ Building/site issue  
\_\_\_\_\_ Not LCCE \_\_\_\_\_ Renovation only: not part of scope  
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17. Waste Diversion - 60% target

Goals In Compliance \_\_\_\_\_ Yes \_\_\_\_\_ N/A  
N/A due to  
\_\_\_\_\_ Mission preclusion \_\_\_\_\_ Building/site issue  
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\_\_\_\_\_ Installation/region issue

(i) Percent diverted \_\_\_\_\_

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

18. Address Climate Change Risk

Goals In Compliance \_\_\_\_\_ Yes \_\_\_\_\_ N/A  
N/A due to  
\_\_\_\_\_ Mission preclusion \_\_\_\_\_ Building/site issue  
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**THIRD PARTY CERTIFICATION INFORMATION**

Is this building pursuing Third Party Certification? \_\_\_\_\_ Yes \_\_\_\_\_ No

N/A due to \_\_\_\_\_ Installation/region issue \_\_\_\_\_ Mission preclusion \_\_\_\_\_ Renovation only: not part of scope

**Sustainability Third Party Certification Rating**

Third Party Certification Rating System and Level

\_\_\_\_\_ USGBC LEED Certified \_\_\_\_\_ GBI Green Globes 1 Globe  
\_\_\_\_\_ USGBC LEED Silver \_\_\_\_\_ GBI Green Globes 2 Globe  
\_\_\_\_\_ USGBC LEED Gold \_\_\_\_\_ GBI Green Globes 3 Globe  
\_\_\_\_\_ USGBC LEED Platinum \_\_\_\_\_ GBI Green Globes 4 Globe  
\_\_\_\_\_ USGBC "Guiding Principles Assessment" \_\_\_\_\_ GBI "Guiding Principles Compliance"  
\_\_\_\_\_ OTHER

i. Third Party Certification Rating system - Other

\_\_\_\_\_