

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 $\geq 10,000$ GSF

-OR-

Existing building renovation (including additions) $\geq 10,000$ GSF, and with a cost $> \$3M$ Yes _____ No _____
and 50% Estimated Replacement Cost (ERC)?

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
_____ Installation/region issue

(i) Energy Savings Below Baseline % _____

(ii) Energy Standard

_____ ASHRAE 90.1-2019

_____ IECC 2021

_____ 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

_____ Not LCCE

_____ Renovation only: not part of scope

_____ 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

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

12. Daylighting and Lighting Controls

A. Daylight

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

B. Automatic dimming controls

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

13. Indoor Air Quality

A. Moisture Control

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

B. Low-Emitting Materials

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

C. Indoor Air Quality during Construction

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

14. Occupant Health and Wellness

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

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
☐ Installation/region issue

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
☐ Installation/region issue

17. Waste Diversion - 60% target

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

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

<input type="checkbox"/> USGBC LEED Certified	<input type="checkbox"/> GBI Green Globes 1 Globe
<input type="checkbox"/> USGBC LEED Silver	<input type="checkbox"/> GBI Green Globes 2 Globe
<input type="checkbox"/> USGBC LEED Gold	<input type="checkbox"/> GBI Green Globes 3 Globe
<input type="checkbox"/> USGBC LEED Platinum	<input type="checkbox"/> GBI Green Globes 4 Globe
<input type="checkbox"/> USGBC "Guiding Principles Assessment"	<input type="checkbox"/> GBI "Guiding Principles Compliance"
<input type="checkbox"/> OTHER	

i. Third Party Certification Rating system - Other