

**NAVFAC SUSTAINABILITY AND ENERGY DATA --- NEW CONSTRUCTION & MAJOR RENOVATION**

**PROJECT INFORMATION**

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

**SUSTAINABILITY DATA - GUIDING PRINCIPLES for SUSTAINABLE NEW CONSTRUCTION and MAJOR RENOVATION**

**Use this form to collect design and as-constructed project information to be recorded on the Sustainable and Energy Tab in eProjects**

**Provide justification for each target missed:**

Sustainability Third Party Rating System: USGBC LEED Not Applicable GBI Green Globes Other

A Sustainability Certification Level - Target  
 LEED Silver 2 Globes Other

Identify "Other" certification system and target level \_\_\_\_\_

B Sustainability Certification Level - Achieved  
 LEED Certified 1 Globe LEED Silver 2 Globes LEED Gold 3 Globes LEED Platinum 4 Globes Not Met Other

Identify "Other" certification system and level achieved \_\_\_\_\_

I. Employ Integrated Design Principles  
 I.a Integrated Assessment, Operation, and Management Included Not Included  
 I.b Commissioning (Select one)  
 Commissioning No Commissioning

Systems Commissioned: \_\_\_\_\_

II. Optimize Energy Performance  
 II.a Energy Efficiency  
 i Energy Reduction 30% target \_\_\_\_\_  
 ii Efficiency Standard  
 90.1 - 2004 90.1 - 2007 90.1 - 2010  
 a. Total Design Energy Use Intensity (EUI): kBTU/Sq Ft/Year \_\_\_\_\_  
 iii New Technology: Provide description \_\_\_\_\_

II.b On-Site Renewable Energy  
 i. Solar Hot Water 30% target \_\_\_\_\_  
 ii. Renewable energy technology types (select all that apply)  
 Daylighting Ground Source Heat Pumps Solar Photovoltaic  
 Geothermal Mechanical (i.e., direct water pumping) Solar Thermal -domestic hot water  
 Wind Solar Thermal -space conditioning  
 iii. Sustainable Roof Attribute (Select all that apply)  
 Cool - white Cool - reflective Solar PV Solar Thermal Vegetated

II.c Building-level Metering (Measurement)  
 Included Not Included

III. Protect and Conserve Water  
 III.a Indoor Water  
 i Reduce potable water \_\_\_\_\_  
 ii Building-level Metering (Measurement) Included Not Included  
 a. Total Design Indoor Water Use Intensity (WUI): Gallons/Sq Ft/Year \_\_\_\_\_

III.b Outdoor Water  
 i Reduce landscape water 50% below conventional 100% Not Met

IV. Enhance Indoor Environmental Quality  
 IV.a Ventilation and Thermal Comfort  
 i Thermal Environmental Conditions Met Not Met  
 ii Ventilation Met Not Met  
 IV.b Moisture Control Plan Included Not Included  
 IV.c Daylighting  
 i Minimum Daylight Met Not Met  
 ii Automatic dimming controls Included Not Included  
 IV.d Low-Emitting Materials Met Not Met

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IV.e Protect Indoor Air Quality during Construction		Met	Not Met
V. Reduce Environmental Impact of Materials			
V.a Recycled Content: <a href="http://www.epa.gov/cpg">www.epa.gov/cpg</a>		Met	Not Met
V.b Biobased Products	Met	Not Met	
V.c Waste and Materials Management			
i. Waste Diversion (50% target)			
ii. Waste Management	Included	Not Included	
V.d Ozone Depleting Compounds	Met	Not Met	

To maintain prior project sustainability information, print and upload a copy of the completed worksheet to the Notes tab as Design & Criteria note BEFORE updating the tab.

**GUIDANCE ON CALCULATION FOR EUI & WUI**

- 1 The EUI must be calculated as the total Design Energy Consumption per year (including savings from renewables) divided by the total Building Area (including unconditioned indoor space).
  - a. The total Design Energy Consumption can be found in the Energy Cost Budget (ECB) Compliance Report. The Design Energy Consumption is in the Energy Summary by End Use Table at the bottom of page 2 of the ECB Report. The value is listed as Total Including Solar for the Proposed Building. It is the first field on the bottom row. (Units in the ECB Report are 10<sup>6</sup> Btu/yr, so multiply by 1000 to yield kBtu/yr)
  - b. The total Building Area (including unconditioned indoor spaces) can be found in the Energy Cost Budget (ECB) Compliance Report in the Space Summary Table on page 1 of the ECB Report. The value is listed as Total (area) including Conditioned area and Unconditioned area. Insure the units are in square feet
  
- 2 The WUI must be calculated as the total Design Indoor Potable Water Consumption per year divided by the total Building Area (including unconditioned space).
  - a. The total Design Water Consumption can be found in the LEED WE P1 water consumption calculation or Green Globes 3.4.1.1 Water Consumption calculation. The value is the Design Case – Annual Potable Water Consumption. It is listed in units of Gallons/year
  - b. The total Building Area (including unconditioned spaces) can be found in the Energy Cost Budget (ECB) Compliance Report in the Space Summary Table on page 1 of the ECB Report. The value is listed as Total (area) including Conditioned area and Unconditioned area. Insure the units are in square feet