

Appendix B: Federal Agency Profiles

U.S. Air Force

I. Organization

The Office of the Civil Engineer provides guidance on design and construction issues to the Air Force. The Air Force Center for Environmental Excellence (AFCEE) <<http://www.afcee.brooks.af.mil>>, a field operating agency of the Civil Engineer, provides technical support as requested to Air Force Commands. AFCEE also provides architectural design guidance, including the Sustainable Facilities Guide and various design guides for different facility types. The Sustainable Facilities Guide translates the LEED™ guidance into specific actions for design teams to take. Some of the Design Guides already include sustainability concerns, while others are being updated.

The Air Force Reserve Command (HQ AFRC), one of several Air Force Major Commands, is involved in a broader sustainable development program that creates policies and action plans designed to guide entire AFRC installations toward operational sustainability. AFCEE provides technical and contracting support to HQ AFRC for this program.

Air Force Civil Engineer Support Agency (AFCESA) <<http://www.afcesa.af.mil>>, also a field-operating agency, provides expertise for design criteria, construction standards, life cycle and sustainable costs, energy and water conservation, and operations and maintenance issues. AFCESA's Facility Energy Program (part of the Technical Support Directorate's Mechanical/Electrical Engineering Division) has a web page at <<http://www.afcesa.af.mil/directorate/ces/mechanical/energy>>. AFCESA also has a Water Conservation page at <<http://www.afcesa.af.mil/directorate/ces/civil/water/waterconserv.htm>>.

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II. Baseline Data

The Air Force has almost 1,300 installations or locations on U.S. territory and almost 300 additional locations overseas. As per last years Real Property Inventory, Air Force facilities comprise of 563 million square feet.

III. Policies and Resources

The Air Combat Command (ACC) and AFCEE both started focusing independently on sustainable design in 1995.

- (12/19/01): Sustainable Design and Development Policy (The Civil Engineer, DCS/Installations & Logistics)
 - Declares “Air Force policy to apply sustainable development concepts in the planning, design, construction, environmental management, operation,

maintenance and disposal of facilities and infrastructure projects, consistent with budget and mission requirements.”

- Calls for “integrated programming and project planning” through the use of multidisciplinary teams, and the selection of contractors partly on the basis of their knowledge of environmental issues.
- LEED™ is described as “the Air Force preferred self-assessment metric.” At least 20 percent of each major command’s projects are to be selected as LEED™ pilot projects in FY 2004, with increasing percentages of projects until FY 2009, when all military construction projects are to be capable of achieving LEED™ certification.

Guidance documents:

- Air Force Sustainable Facilities Guide
<<http://www.afcee.brooks.af.mil/dc/dcd/arch/rfg/index.html>>
- Air Force Construction and Demolition Waste Management Guide
<<http://www.afcee.brooks.af.mil/eq/programs/summary.asp?rscID=870>>
- Air Combat Command Sustainable Facilities Guide
<<http://www.afcee.brooks.af.mil/green/case/accsfguide.pdf>>
- AFCEE's Web University: Sustainable Development Training – introductory course for sustainable planning, design, construction and management of facilities:
<<https://webu.brooks.af.mil/webu/secure/onlinecourse.asp>>

IV. Results and Case Studies

- Sustainable Development Case Study: Air Force Space Command (HQ AFSPC) Military Family Housing Construction, Vandenberg AFB, CA
<<http://www.afcee.brooks.af.mil/green/case/vandenburg.asp>>
- Sustainable Development Case Study: Air Combat Command (HQ ACC) Squadron Operations Facility at Seymour Johnson (AFB), NC
<<http://www.afcee.brooks.af.mil/green/case/acc.asp>>
- The Sustainability Action Plan for March Joint Reserve Base, California:
<<https://wwwmil.afrc.af.mil/HQ/CE/cev/cevq/Sustainability/Sustainability.htm>> (This is a secure site, accessible to DoD personnel only; all others please contact the HQ AFRC program manager, Mr. Bret Donegan, <bret.donegan@AFRC.AF.MIL>)