

Appendix B: Federal Agency Profiles

Office of the Secretary of Defense

I. Organization

The Office of the Deputy Under Secretary of Defense for Installations and Environment (DUSD (I&E)) <<http://www.acq.osd.mil/ie>>, within the Office of the Undersecretary of Defense for Acquisition, Technology and Logistics (USD, AT&L) is in charge of infrastructure, installation and environmental matters. Within the DUSD (I&E), the Director of Utilities and Energy <http://www.acq.osd.mil/ie/utilities/energy/energy_use/main.htm> is in charge of sustainable building issues, with a focus on energy efficiency and renewables.

The Installations Policy Board, which includes the DUSD (I&E) and Assistant Secretaries for Installations and Environment from the services, military Chiefs of Staff, and the Comptroller, among others, provides guidance on energy issues. The Engineering Senior Executive Panel, which includes Chief Engineers from the armed services (whose offices include architecture responsibilities as well), provides design and construction guidance, e.g., populating the Whole Building Design Guide <www.wbdg.org>.

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II. Baseline Data

Total DoD buildings include 621,850 “structures” with 2.2 billion square feet, but Federal Energy Management Program (FEMP) “standard” buildings constitute a total of 331,092 buildings comprising 2.0 billion square feet. This means that DoD represents approximately two-thirds of the Federal government’s buildings and square footage.

Building types vary widely, depending on an installation’s mission – ranging from a base servicing troops to a naval shipyard to an air hangar. Within the military, residential structures predominate, followed by buildings used for service, storage, office space and schools. DoD does not own all of its housing, as only about a third of the armed forces are housed on-base; many have been moved off base into private housing, although that trend is being reversed due to force protection concerns.

III. Policies and Resources

- Unified Facilities Criteria Program, Whole Building Design Guide
 - The Department of Defense (DoD) and the military services have initiated a program to unify all technical criteria and standards pertaining to planning, design, construction, and operation and maintenance of real property facilities.
 - Previously, each service had its own publication system resulting in criteria being disseminated in many different formats.
 - http://www.wbdg.org/ccbref/pa_dod.php?category=pa

- Sustainable Planning: A Multi-Service Assessment, 1999
 - A feasibility study for implementing sustainable development concepts and principles in the Army, Navy, Air Force, and Marine Corps Land and Facilities Planning Processes and Programs.
 - The Report addresses the importance of sustainable building at the policy level within the DoD.
 - <http://www.hq.usace.army.mil/isd/librarie/RP/Sustainability/Sustainable%20Planning%20Stdy.pdf>
- Defense Environmental Network and Information Exchange (DENIX 2002)
 - DENIX serves as a central platform for the dissemination of environment, safety and occupational health (ESOH) news, policy, and guidance within DoD activities worldwide, in support of the national defense mission.
 - <https://www.denix.osd.mil/>

IV. Results and Case Studies

- Pentagon Renovation sustainable design information is available at <http://renovation.pentagon.mil/sustainabledesign.htm>
- For additional case studies, see profiles of Army, Navy and Air Force