

**Federal ENERGY STAR@ Buildings Program Partnership**  
**Memorandum of Understanding**  
**between**  
**The Department of Energy,**  
**The Environmental Protection Agency,**  
**and the Department of Defense**

## **I. Background and Shared Objectives**

The purpose of this memorandum is to set forth an agreement between the Department of Energy (DOE), the Environmental Protection Agency (EPA), and the Department of Defense (DOD) for working toward the goals of the Energy Policy Act of 1992 (EPAct), section 152, Subtitle F, and Executive Order 12902, section 301, through the use of energy efficient, cost effective, and environmentally beneficial energy-efficient building technology and procedures. The parties recognize that widespread use of cost effective energy-efficient building designs and technologies in consideration with other energy efficient measures can improve personnel productivity, reduce emissions of many pollutants, reduce needless expenses, and improve the Nation's energy security and economic competitiveness. Further they agree that Federal agencies have an opportunity to provide leadership in energy efficiency management practices. DOE, DOD, and EPA agree that **ENERGY STAR@** and its logos are service marks of the United States Government as represented by the Administrator of EPA, and are subject to the provisions of Title 15, Chapter 22, United States Code, the various state laws applicable to trademarks, and this Memorandum of Understanding.

## **II. DOD's Commitments**

**Existing Facilities Upgrades:** DOD agrees to aggressively pursue all life-cycle (life-cycle cost is defined in 10 CFR Part 436 Subpart A) cost-effective energy-efficient building system upgrades in its existing facilities to maximum extent practicable consistent with agency and private sector revenues, contracts, or energy efficiency programs, such as utility companies' demand-side management programs and energy savings performance contracts. Wherever appropriate, energy-efficient building system upgrades will be analyzed and achieved in combination with other life-cycle cost-effective building efficiency improvement measures. Within the timeline established by EPAct, section 152, and Executive Order 12902, section 301, DOD agrees to:

- survey energy-efficient building upgrade opportunities in 100% of the square footage of its existing facilities to identify all cost-effective alternatives, unless such survey or an energy audit has been completed within the past 3 years; and
- upgrade building systems, to the maximum extent practicable, consistent with agency and private sector resources available to the agency for energy efficiency, with a goal of completing by 2005, 100% of all projects with payback periods of less than 10 years.

DOD also agrees to consider the full range of commercially available building technologies, design, and maintenance options that can reduce energy use.

**New Construction:** DOD agrees to design all new facilities in compliance with applicable codes and regulations, with particular attention to 10 CFR Part 435 Subpart A, or its successor, and any improved design standards developed by the DOE pursuant to EAct and Executive Order 12902.

**Reporting:** DOD agrees to provide DOE and EPA with specific information on its building improvements through its contribution to DOE's "Annual Report on Federal Energy Management." DOE shall forward a copy of DOD's initial report to EPA within 30 days of receipt by DOE and a copy of the final report when completed.

**Re-analysis:** Because energy efficient building technologies and equipment continue to improve and prices continue to decrease, DOD agrees to reevaluate building systems for incorporation of more energy-efficient and cost-effective building technologies when identified by DOE or EPA.

**Building Efficiency Publicity:** DOD agrees to educate its employees about the economic and environmental benefits from the use of energy-efficient building technologies and to further encourage employees to utilize such technologies and practices in their homes. DOD also agrees to cooperate with DOE and EPA efforts to help raise public awareness of the **ENERGY STAR** Buildings Program and the benefits of energy-efficient building technologies in general.

**III. DOE and EPA Commitments:** DOE and EPA agree to assist DOD in adopting new cost-effective building technologies in the following ways:

- maintain and make available a current comprehensive summary of the best available information about energy-efficient building technologies and methods;
- offer workshops and training courses to teach DOD personnel about energy efficient building technologies, analytical techniques, and the use of appropriate technologies, analytical techniques, and technical tools;
- develop and maintain building analysis software to help DOD energy managers and design engineers conduct building surveys, analyze options and choose the most energy-efficient and life-cycle cost-effective building upgrade package;
- operate informational phone-lines to provide DOD engineers and energy managers with technical assistance on specific building technology problems and questions;
- provide building surveys and analysis services for DOD installations on an as-requested and reimbursable basis;
- provide public recognition for DOD building improvement efforts through the publication of articles, media events, and public service advertisements; and

**Further, DOE agrees to:**

- encourage electric utility companies to develop and make available building energy reduction assistance programs including rebates and financing incentives for DOD customers;
- work with DOD to improve the Federal procurement process *in order to encourage greater application of energy-efficient cost-effective building technologies at Federal facilities.*

**EPA further agrees to:**

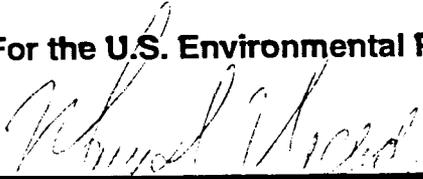
- support an independent testing and information program on lighting products to provide DOD designers and energy managers with pertinent, current product information on a name-brand basis.

**IV. The Parties Agree:**

The Memorandum of Understanding (MOU) states the basic understanding among the parties. The commitments made herein are subject to the availability of funds. This MOU shall not be used to obligate or commit funds or as the basis for the transfer of funds.

**The undersigned hereby execute this Memorandum of Understanding on behalf of their agencies:**

**For the U.S. Environmental Protection Agency :**

  
\_\_\_\_\_ On:           
Mary D. Nichols : (Date)  
Assistant Administrator for Air and Radiation

**For the U.S. Department of Energy :**

  
\_\_\_\_\_ On:           
Christine A. Ervin : (Date)  
Assistant Secretary  
Energy Efficiency & Renewable Energy

**For DOD:**

  
\_\_\_\_\_ On:           
John B. Goodman : (Date)  
Deputy Under Secretary of Defense  
Industrial Affairs & Installations

**Please return: (1) the signed MOU in its entirety, including Appendix A and (2) a camera-ready version of your organization's logo to:**

Director, **ENERGY STAR** Buildings Program  
US Environmental Protection Agency (6202J)  
401 M Street, SW  
Washington, DC 20460.  
Phone: (202) 233-9230, Fax: (202) 233-9578,  
Hotline: 1-(888)-STAR-YES

**Appendix A: Department of Defense**

Please enclose the following information with the signed MOU:

Agency Head Name: Honorable William S. Cohen

Title: Secretary of Defense

Business Address: Room 3E880 Pentagon City: Washington

State: District of Columbia

Zip: 20301

Business Telephone Number: (703)695-5261 Business Fax Number: /703)697-9080

**Please identify your:**

**ENERGY STAR** Buildings Program  
Implementation Director:

Mr. Millard E. Carr, P.E.

Title Director, Energy and Engineering

Address 400 Army Navy Dr Suite 208  
Arlington, VA 22202-2884

Phone (703)604-6022 Fax (703)604-6024

**ENERGY STAR** Buildings Program  
Communications Director:

Mr. Glenn E. Flood

Title DoD Spokesman

Address OASD (Public Affairs)  
Directorate for Defense Information  
Pentagon Room 2E765  
Washington, DC 20301-1400

Phone /703)695-0192 Fax (703)697-3501

Nature of Agency's Business: National Defense

Approximate number of employees: 2,367,533 Approximate number of facilities: 325,373

Headquarters location: Pentagon, Washington, DC

Approximate square footage:

Off ice	Administration	188,377,597
<del>Industrial/Manufacturing</del>	Maintenance and/or Production	232,934,893
Warehouses	Supply and Storage	406,344,912
<del>Parking Garages</del>	Operational	124,490,717
Retail	Medical and/or Dental	46,156,603
<del>Food Sales &amp; Service</del>	Family Housing	564,819,852
Lodging (hotels, dormitories, etc.)	Troop Housing and/or Messing	193,142,762
Education	Training	119,804,021
<del>Assembly (auditoriums, etc.)</del>	Utilities	43,734,574
Laboratory	RDT&E	63,630,079
Other (please specify)	Other Personnel Support Services	201,798,176
<b>Total</b>		<b>2,285,234,186</b>

Is the organization signing this MOU a component of another organization? If so, please provide the name of the parent organization: \_\_\_\_\_

\_\_\_\_\_

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