

# Energy Laws, Regulations, Guidance, and Policy

## ❖ Action Plans

### ➤ National Action Plan for Energy Efficiency

- The National Action Plan for Energy Efficiency is a private-public initiative begun in the fall of 2005 to create a sustainable, aggressive national commitment to energy efficiency through the collaborative efforts of gas and electric utilities, utility regulators, and other partner organizations. The goal of the National Action Plan for Energy Efficiency is to achieve all cost-effective energy efficiency by the year 2025.

## ❖ Army Regulations

### ➤ AR 420-1: Facilities Engineering - Army Facilities Management

- This Army regulation provides policies and responsibilities for conduct and management of facilities engineering, housing, fire and emergency services, and environmental support.

### ➤ AR 420-41: Facilities Engineering - Acquisition and Sale of Utilities Services

- This Army regulation prescribes Army unique procedures and responsibilities regarding acquisition of utilities services pursuant to the Armed Services Procurement Regulation, Supplement Number 5 (ASPRS No. 5). It also prescribes policies, procedures, and responsibilities for the sale of utilities and related services. Its purpose is to acquire utility services at the lowest overall cost commensurate with requirements.

## ❖ Army Strategies

### ➤ Installation Management Community Campaign Plan 2010-2017

- This Installation Management Community Campaign Plan represents the combined strategy for the Installation Management Command (IMCOM), the Office of the Assistant Chief of Staff for Installation Management (OACSIM) and the Assistant Secretary of the Army (Installations and Environment) (ASA (I&E)).

## ❖ Campaign Plans

### ➤ Installation Management Community Campaign Plan 2010-2017

- This Installation Management Community Campaign Plan represents the combined strategy for the Installation Management Command (IMCOM), the Office of the Assistant Chief of Staff for Installation Management (OACSIM) and the Assistant Secretary of the Army (Installations and Environment) (ASA (I&E)).

## ❖ Department of Defense

### ➤ DoD Energy Awareness Campaign

- Policy memorandum issued October 23, 2007 underscoring DoD's desire to be the leader in energy efficiency, water conservation, and the use of renewable energy and emerging technology.

### ➤ DoD Instruction 4170.11, *Installation Energy Management*, November 22, 2005

- This Instruction reissues DoD Instruction 4170.11 dated October 13, 2004 according to the guidance in Public Law 109-58 and implements DoD Directive 4140.25 to provide guidance, assign responsibilities, and prescribe procedures for DoD installation energy management.

## ❖ Design Guides

### ➤ USACE and IMCOM Energy Documents

- Link to the USACE and IMCOM Energy Documents page of the Whole Building Design Guide (WBDG) Web site. The page hosts the Energy and Water Conservation Design Guide for Sustainment, Restoration and Modernization (SRM) and MILCON Projects.

## ❖ ENERGY STAR®

### ➤ ENERGY STAR® and Executive Order 13423

- Federal agencies are required to purchase either energy-efficient, ENERGY STAR® qualified, or EPEAT-registered products (computers, monitors, and laptops). The activation of power management settings on computers is also required. This page is designed to assist you in fulfilling these requirements.

## ❖ Executive Orders

### ➤ Executive Order 13211

- Executive Order (EO), *Actions Concerning Regulations That Significantly Affect Energy Supply, Distribution, or Use*, establishes the mandate for federal agencies to prepare a Statement of Energy Effects when undertaking certain agency actions.

### ➤ Executive Order 13423

- Executive Order 13423 *Strengthening Federal Environmental, Energy, and Transportation Management*, signed by President Bush on January 24, 2007. The order sets goals in the areas of

energy efficiency, acquisition, renewable energy, toxics reductions, recycling, renewable energy, sustainable buildings, electronics stewardship, fleets, and water conservation. In addition the order requires more widespread use of Environmental Management Systems as the framework in which to manage and continually improve these sustainable practices.

➤ **Executive Order 13514**

- *Federal Leadership in Environmental, Energy, and Economic Performance*. This EO sets sustainability goals for Federal agencies and focuses on making improvements in their environmental, energy and economic performance. The Executive Order requires Federal agencies to set a 2020 greenhouse gas emissions reduction target within 90 days; increase energy efficiency; reduce fleet petroleum consumption; conserve water; reduce waste; support sustainable communities; and leverage Federal purchasing power to promote environmentally-responsible products and technologies.

❖ **Federal Energy Management Program**

➤ **2007 Federal Energy Management Program (FEMP) Renewable Energy Requirement Guidance for EAct 2005 and Executive Order 13423**

- This guidance, promulgated by the Department of Energy's Federal Energy Management Program (FEMP), specifies the conditions for agencies to meet the EO13423 and the EACT 2005 Requirements. Each agency should meet the EO13423 Requirement as well as the EACT 2005 Requirement. This document is dated January 28, 2008.

➤ **Energy Security and Independence Act (ESIA) of 2007**

- Overview for the Federal Energy Management Program (FEMP) A section by section review of ESIA and how it applies to FEMP.

❖ **Memorandums of Understanding**

➤ **Federal Leadership in High Performance and Sustainable Buildings MOU**

- With this Memorandum of Understanding (MOU), first signed in January 2006, signatory agencies commit to federal leadership in the design, construction, and operation of High-Performance and Sustainable Buildings. A major element of this strategy is the implementation of common strategies for planning, acquiring, siting, designing, building, operating, and maintaining High Performance and Sustainable Buildings. Included in the MOU are the 5 Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings which includes more detailed guidance on the parameters for and the implementation of principles for optimizing energy performance, conserving water, improved indoor environmental quality, integrated design, and reduction of the impact of materials.

❖ **Public Law**

➤ **Energy Independence and Security Act (EISA) of 2007**

- This Act was signed into law on December 19, 2007. The purpose of this act is to move the United States toward greater energy independence and security, to increase the production of clean renewable fuels, to protect consumers, to increase the efficiency of products, buildings, and vehicles, to promote research on and deploy greenhouse gas capture and storage options, and to improve the energy performance of the Federal Government, and for other purposes.

➤ **Energy Policy Act of 2005**

- This act was signed into law on August 8, 2005. The Act contains a multitude of provisions covering energy production, distribution, storage, efficiency, conservation, and research. The Act requires efficiency standards for certain large appliances and extends Daylight Saving Time to reduce consumption. It provides funding to improve efficiency in low-income housing and expands the ENERGY STAR® program. It also requires the federal government to increase the efficiency of its buildings and vehicles and provides tax credits for certain energy efficient purchases or improvements. Other topic of note are: renewable energy, expanding of the Strategic Petroleum Reserve, fuel production access in federal lands, the banning of drilling in the Great Lakes, electricity reliability, hydrogen vehicles, vehicle efficiency and alternative fuels, ethanol and motor fuels.

❖ **Strategic Plans**

➤ **Army Energy and Water Campaign Plan for Installations**

- Published 1 Dec 2007, the campaign plan will help the Army to provide safe, secure, reliable, environmentally compliant, and cost-effective energy and water services to soldiers, families, civilians, and contractors on Army installations.

➤ **U.S. Army Energy Strategy for Installations**

- View or download the twelve-page *U.S. Army Energy Strategy for Installations* document signed 8 July 2005.