Department of Defense
Green Procurement Program and Biobased Products

Environment, Energy, and Sustainability Symposium

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Presentation Overview

- Green Procurement Overview
- Executive Order 13423
- DoD’s Green Procurement Program
- USDA Biobased Products Update
- DoD Green Procurement Reporting Tools
- DoD Success Stories
- DoD’s Priorities and Initiatives
GPP Drivers

- Farm Security and Rural Investment Act (2002), Section 9002
- Resource Conservation and Recovery Act, Section 6002
- Federal Acquisition Regulation (FAR)/Defense Federal Acquisition Regulations Supplement (DFARS)
  - Designation of Biobased Items for Federal Procurement; Final Rule (2006)
- Comprehensive Procurement Guidelines for Products Containing Recovered Materials, 40 CFR Part 24
E.O. 13423 Highlights

• E.O. 13423 requires federal agencies to:
  – Improve energy efficiency and reduce energy and water consumption intensity
  – Purchase at least half of the renewable energy from sources placed into services after January 1, 1999, when meeting EPAct requirements
  – Provide GPP training
  – Purchase green goods and services
  – Reduce the quantity of toxic and hazardous chemicals and materials
  – Incorporate waste prevention and recycling into daily operations
  – Comply with the Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings for new construction
Green Procurement Components

- Recycled content products, also known as Comprehensive Procurement Guidelines (CPG)
- EnergyStar® and energy-efficient products
- Alternative fuel vehicles/alternative fuels
- Biobased products
- Non-ozone depleting substances (ODSs)
- Environmentally Preferable Products (EPP)
- Low or non toxic or hazardous chemicals
- Electronics with environmentally preferable attributes
- Water Efficient products
DoD’s Green Procurement Program

• Educate Department employees on the GPP
• Increase purchases of green products and services
• Reduce the amount of solid waste generated
• Reduce consumption of energy and natural resources
• Expand markets for green products and services

DoD’s GPP Goal = 100% compliance with mandatory federal GPP programs in all acquisition transactions
DoD’s GPP Strategy

- **DoD established a GPP policy and strategy in August 2004**
  - Guidance for the acquisition of environmentally preferable products and services in accordance with federally-mandated “green” procurement preference programs
  - Each DoD Component has issued a GPP policy and plan

- **In November 2008, the DoD GPP Strategy was updated**
  - Reflects current legislation and guidance, incorporating biobased, EPEAT, FEMP, and other “green” products
DoD’s GPP and Biobased Products

• Biobased products provide a sound alternative in a variety of DoD operations and applications

• Biobased items replace non-renewable fossil energy-based products derived from imported oil and natural gas

• DoD supports the USDA’s efforts to promote biobased products

• DoD intends to expand its use of biobased products based on successes already achieved
DoD GPP Reporting Tools

• **DoD EMALL**
  – Uses a green tree icon to identify environmentally preferable attributes
  – Reporting features by Component
  – [https://emall6.prod.dodonline.net/main/](https://emall6.prod.dodonline.net/main/)

• **Environmental Reporting Logistics System – Green Procurement Report (ERLS GPR)**
  – Tracks environmentally friendly purchases
DoD Success Highlights

- **Air Force Successes in Alternative Fuel and Fuel Conservation in Transportation**
  
  *2007 Closing the Circle Awards Honorable Mention*
  
  - Conservation and alternative energy use integrated into all activities, making energy a consideration in every aspect of operations and acquisition
  - B-52 flight test and ground vehicle biobased fuel use
  - Earned AFV acquisition credits amounting to 117% of its covered vehicle acquisitions
    - 42 percentage point higher than EPAct mandate

- Edwards AFB tests alternative jet engine fuel in B-52, September 2006
DoD Success Highlights

- **Pentagon Renovation**
  - **Sustainable Design/Green Building**
  
  *2007 White House Closing the Circle Award Winner*
  
  - Energy and water efficient products
    - Low-maintenance landscaping
  - Recycled content materials
    - Over 85% of construction waste was diverted
    - Over 13% recycled content materials used in the building
  - Indoor Air Quality
    - Green housekeeping plan to reduce toxic chemical use
DoD’s Priorities and Initiatives

• Updated the DoD GPP Strategy

• Released GPP Training (DAU)
  – Provides an opportunity to learn about integrating environmental sustainability into purchasing decisions and practices

• Incorporate GPP-related FAR/DFARS clauses into our contracts
  – New FAR cases include EPEAT, energy, recovered materials, and biobased products

• Enhance existing procurement reporting tools to capture green purchases (DoD EMALL)
DoD’s GPP Workgroup

• DUSD(I&E) and DUSD(AT&L)/DPAP are co-stewards of DoD’s Green Procurement Program Workgroup

• Collaborates across the Department
  – Federal reporting requirements
  – Training
  – Executive Order compliance

• Promotes and integrates DoD’s GPP
  – Use of biobased products across all levels of the Department
Questions?

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