**Report Documentation Page**

Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

<table>
<thead>
<tr>
<th>1. REPORT DATE</th>
<th>2. REPORT TYPE</th>
<th>3. DATES COVERED</th>
</tr>
</thead>
<tbody>
<tr>
<td>07 MAY 2009</td>
<td></td>
<td>00-00-2009 to 00-00-2009</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. TITLE AND SUBTITLE</th>
<th>5a. CONTRACT NUMBER</th>
<th>5b. GRANT NUMBER</th>
<th>5c. PROGRAM ELEMENT NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Defense Green Procurement Program and Biobased Products</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6. AUTHOR(S)</th>
<th>5d. PROJECT NUMBER</th>
<th>5e. TASK NUMBER</th>
<th>5f. WORK UNIT NUMBER</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)</th>
<th>8. PERFORMING ORGANIZATION REPORT NUMBER</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)</th>
<th>10. SPONSOR/MONITOR’S ACRONYM(S)</th>
<th>11. SPONSOR/MONITOR’S REPORT NUMBER(S)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>12. DISTRIBUTION/AVAILABILITY STATEMENT</th>
<th>13. SUPPLEMENTARY NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approved for public release; distribution unlimited</td>
<td>Presented at the NDIA Environment, Energy Security &amp; Sustainability (E2S2) Symposium &amp; Exhibition held 4-7 May 2009 in Denver, CO.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14. ABSTRACT</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>15. SUBJECT TERMS</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>16. SECURITY CLASSIFICATION OF:</th>
<th>17. LIMITATION OF ABSTRACT</th>
<th>18. NUMBER OF PAGES</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. REPORT</td>
<td>Same as Report (SAR)</td>
<td>14</td>
</tr>
<tr>
<td>b. ABSTRACT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. THIS PAGE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>19a. NAME OF RESPONSIBLE PERSON</th>
</tr>
</thead>
</table>

---

*Standard Form 298 (Rev. 8-98)*

Prepared by ANSI Std Z39-18
• 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
    o 42 percentage point higher than EPAct mandate
DoD Success Highlights

• Pentagon Renovation
  Sustainable Design/Green Building

  *2007 White House Closing the Circle Award Winner*

  – Energy and water efficient products
    o Low-maintenance landscaping
  – Recycled content materials
    o Over 85% of construction waste was diverted
    o Over 13% recycled content materials used in the building
  – Indoor Air Quality
    o 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?

David Asiello  
ODUSD(I&E)  
(703) 571-9068  
David.Asiello@osd.mil

Sandra Ross  
ODUSD(AT&L)/DPAP  
(703) 695-9774  
Sandra.Ross@osd.mil

For more information,  
visit the Defense Environmental Network and Information eXchange (DENIX) at: www.denix.osd.mil