Department of Defense Sustainability: Progress and Plans for the Future

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Installations & Environment
Office of the Secretary of Defense
**Report Documentation Page**

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Outline

- Overview of DoD Sustainability Plan
- Challenge
- Implementation Approaches
  
  Past, Ongoing, Future
  
  - Policies that Institutionalize Sustainability
  - Systems to Track & Evaluate Progress
  - Tools to Aid Strategic Decision-Making
  - Implementation Planning by Components
  - Interagency Collaboration

Reflective roof with solar panels, Tyndall AFB, FL
The DoD Sustainability Plan is Built Around the MISSION

20 Sub-Goals, spanning:

- ENERGY
  - Facility Energy Use
  - Renewable Energy
  - Vehicle Fuel
- WATER
  - Facility Water Use
  - Irrigation, Industrial Water
  - Stormwater Run-off
- CHEMICALS
- BUILDINGS
- WASTE
  - Paper Reduction
  - Solid Waste Recycling, Reuse
- EMPLOYEE TRAVEL – Air & Commuting
- SUSTAINABLE PROCUREMENT

- Continued Availability of Resources
- DoD Readiness Maintained in the Face of Climate Change
- Performance Ensured by Minimizing Waste & Pollution
- Management & Practices Built on Sustainability and Community
**Challenge and Opportunity:**

Size & Complexity of DoD

**30 DoD Components:** Army, Navy, Air Force + 27 others

- **# Buildings (owned+ leased):** 300,658
- **# Vehicles (non-tactical):** >197,000
- **# Locations:** 5,000 (global)

- **Fossil-Fuel Use** (facilities only): >200 Billion Btu

**Aggressive Scope 1 & 2 GHG Reduction Target:** 34% by FY 2020

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**Top 10 Federal Agency GHG Emitters (Scopes 1 & 2)**

- DoD: 50%
- USPS: 10%
- DOE: 8%
- VA: 7%
- GSA: 6%
- DOJ: 5%
- NASA: 4%
- HHS: 3%
- DOI: 2%
- DOT: 1%
Implementation Approaches

FIVE-PRONGED APPROACH
1. Policies that Institutionalize Sustainability
2. Systems to Track & Evaluate Progress
3. Tools to Aid Strategic Decision-Making
4. Implementation Planning by Components
5. Interagency Collaboration

Defense Agencies
- DARPA
- DFAS
- DSCA
- NRO
- DISA
- DSS
- NSA/CSS
- PFPA
- DCA
- DIA
- DTRA
- DCAA
- DLSA
- MDA
- DCMA
- DLA
- NGIA

DoD Field Activities
- DMA
- DHRA
- DPW/MPO
- DTRMC
- DTIC
- OEA
- DTSA
- TMA
- DEA
- WHS

Sustainable Planning – Session 7
Assessing Sustainability Efforts

DoD Sustainability: Progress and Plans for the Future
November 2, 2011
Policies Institutionalizing Sustainability

DoD Instruction (DoDI) on Sustainability
✓ Conveys what sustainability means to DoD
✓ Delineates responsibilities
✓ Expected in 2012

Other Recent Sustainability DoDIs & Other Policies
• Stormwater (Jan 2011)
• Sustainable Buildings (Oct 2010)
• Teleworking DoDI (Oct 2010)
• Sulfur Hexafluoride Risk Management (Oct 2010)
• Integrated Solid Waste Management DoDI (being prepared)
• Sustainable Ranges (being prepared)
• Sustainable Procurement (being prepared)

Also Major Policy from Components
✓ Buildings ✓ Paper Reduction ✓ Stormwater ✓ Water ✓ Energy ...
SETS...

- WEB-based tool for SSPP data collection, performance tracking
  - data for the 21 metrics
  - captures supporting info: case studies, photos,…
  - secure, searchable
- Facilitates: reporting, benchmarking, transparency
- Beta testing now
- Release: Dec 2011
DoD Systems For Tracking Progress on Specific Metrics

PRE-EXISTING
- Solid Waste – Knowledge Based Corporate Reporting System
- Energy and Water – now via Excel; automated system being developed
- Toxics Chemical Reduction – system to track & analyze TRI data

COMPLETED in response to EO 13514
- Stormwater Runoff
  - Navy tool to electronically track compliance
  - Air Force stormwater hydrology analysis tool to estimate pre- and post-hydrology

IN PROGRESS
- Teleworking
  - Coding employees as:
    - ✔ ineligible
    - ✔ eligible/regular
    - ✔ eligible/ad hoc
  - Accurately capturing actual time teleworked
    – still figuring out the best way
Tools to Aid Strategic Decision-Making

- **TRACKING INVESTMENTS ACROSS DOD**
  - System for **budget exhibits** to track sustainability investments and resources
  - I.D. gaps between $$ and sustainability objectives
  - To better align resources & objectives
  - Timeframe: ~end of CY 2011

- **EVALUATING MILITARY INSTALLATION PERFORMANCE**
  - Rating system for installations
  - Spans wide range of sustainability topics

- **AIDS PRIORITIZATION & PLANNING**
  - Phase I: pilot @ 3 bases Jan - Spring 2012
  - Phase II: refine & fully develop if pilots successful
Component Implementation Plans

- Generate engagement in sustainability planning
- Help translate DoD-level policy into ACTION

Senior Sustainability Officer

Senior Sustainability Council

Sustainability Implementation Work Group (SIWG)

SIWG Subject Matter Leads

DoD Committees and Work Groups

DoD Components

DoD Sustainability: Progress and Plans for the Future
November 2, 2011
Interagency Collaboration

- SUSTAINABLE PROCUREMENT – working with GSA
  JOINT workshop to develop solutions – Nov 2011

- EMPLOYEE AIR TRAVEL – working with GSA & EPA
  Via Interagency Green Travel WG, considering...
  - Updates to DoD travel regulations
    per Sept 2010 GSA Sustainable Travel Guidelines
  - Sustainable evaluation criteria for
    GSA City Pair Program
  - Impact analysis of virtual meetings replacing non-essential travel
Questions?

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