



# *Sustainability and the Department of Defense*

*Maureen Sullivan  
Director, Environmental Management  
March 8, 2012*



# Report Documentation Page

Form Approved  
OMB No. 0704-0188

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.

1. REPORT DATE <b>MAY 2012</b>		2. REPORT TYPE		3. DATES COVERED <b>00-00-2012 to 00-00-2012</b>	
4. TITLE AND SUBTITLE <b>Sustainability and the Department of Defense</b>				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) <b>Office of the Deputy Under Secretary of Defense (Installations &amp; Environment), Environmental Management, 3400 Defense Pentagon, Room 3B856A, Washington, DC, 20301-3400</b>				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT <b>Approved for public release; distribution unlimited</b>					
13. SUPPLEMENTARY NOTES <b>Presented at the NDIA Environment, Energy Security &amp; Sustainability (E2S2) Symposium &amp; Exhibition held 21-24 May 2012 in New Orleans, LA.</b>					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT <b>Same as Report (SAR)</b>	18. NUMBER OF PAGES <b>6</b>	19a. NAME OF RESPONSIBLE PERSON
a. REPORT <b>unclassified</b>	b. ABSTRACT <b>unclassified</b>	c. THIS PAGE <b>unclassified</b>			



**“Our mission at the Department is to secure this nation against threats to our homeland and to our people. In the 21<sup>st</sup> Century, the reality is that there are environmental threats which constitute threats to our national security. For example, the area of climate change has a dramatic impact on national security: rising sea levels, to severe droughts, to the melting of the polar caps, to more frequent and devastating natural disasters all raise demand for humanitarian assistance and disaster relief. ”**

**Secretary Leon E. Panetta  
Reception for the Environmental Defense Fund  
May 2, 2012**



# What is Sustainability to DoD?

Acquisition, Technology and Logistics

Executive Orders 13423 and 13514:

'Sustainability' and 'sustainable' mean to create and maintain conditions, under which humans and nature can exist in productive harmony, that permit fulfilling the social, economic, and other requirements of present and future generations of Americans.

DoD vision:

Adopt sustainable practices and incorporate sustainability into decision-making to better ensure the ability to operate into the future without decline – either in the *mission* or in the natural and man-made systems that support it.

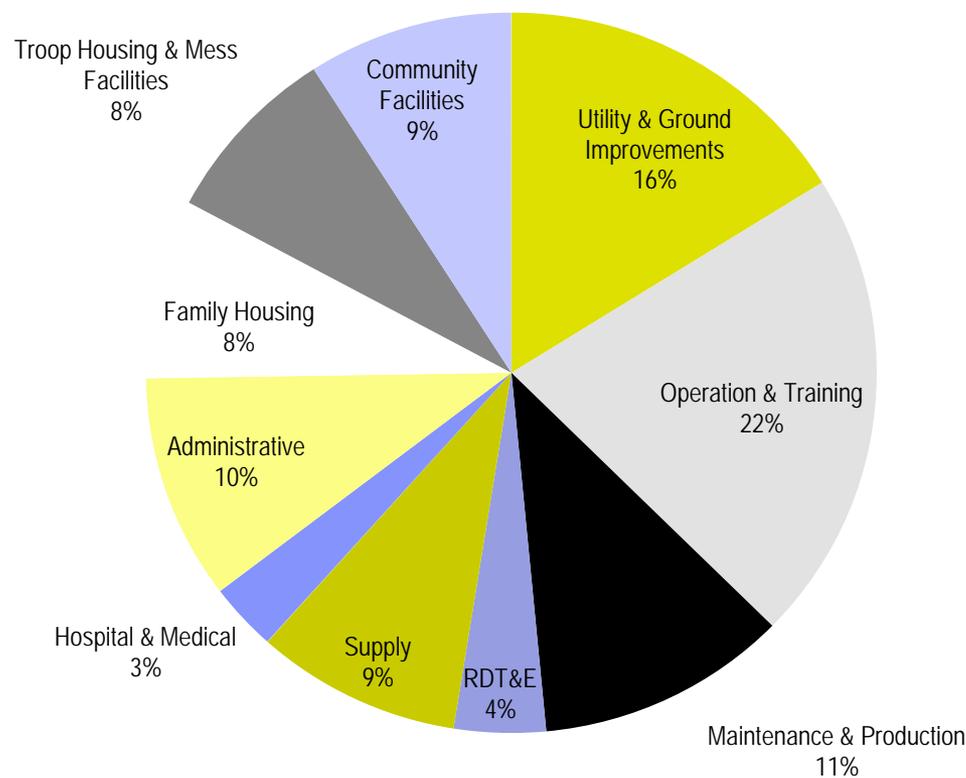


# DoD Built Infrastructure

Acquisition, Technology and Logistics

- 509,926 Facilities  
(buildings and structures)
  - 298,897 Buildings
    - 2.3 billion square feet
- Comparisons
  - GSA: 9,018 government buildings
    - 420 million square feet
  - Wal-Mart US: 4,498 buildings
    - 710 million square feet

DoD Building Classes





# DoD Natural Infrastructure

Acquisition, Technology and Logistics

- DoD is responsible for managing and protecting
  - 420 federally-listed species
  - 523 species at-risk
    - o More than 75 species are only found on DoD lands
- DoD harbors more sensitive species per acre than any other federal land managing agency.



**DoD is responsible for managing nearly 29 million acres of land and hundreds of square miles of air and sea space.**



# *Size and Complexity*

Acquisition, Technology and Logistics

- 197,000 Non-Tactical Vehicles
- Over 14 million contracting actions in FY2011
- Generated 93,000 tons of Hazardous Waste
- Generated 2.2 million tons of Municipal Solid Waste
  - Diverted 40% from Landfills
- Generated 4.1 million tons of Construction and Demo Debris
  - Diverted 77% from Landfills
- Provided Safe Drinking Water to 2.2 million people annually
- Maintain 1,300 Water Pollution Permits