



MEDCOM SUSTAINABILITY

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AGENDA

PURPOSE: To provide information on the MEDCOM Sustainability Strategy – Development & Implementation.

> Sustainability Overview Health Care Footprint Phased Approach Phase Status Moving Forward





SUSTAINABILITY GOALS

- Develop and Implement Sustainability Strategic Plan to:
- Sustain mission readiness
- Improve care for warfighters
- Improve quality of life for patients and healthcare staff
- Strengthen community relationships
- Ecological stewardship
- Reduce total costs of operation and ownership

HEALTHCARE FOOTPRINT



In the United States:

- 16% of U.S. economy devoted to healthcare (\$2 trillion in 2005)
- Consumes 8% of national energy (\$8.3 billion/yr)
 - MEDCOM = 94M/yr
- 4th Highest energy user by building type
- 4% of national square footage
- Largest user of water in a community
 - MEDCOM = \$6M/yr (water & wastewater)
- 5 million tons of solid waste per year
 - MEDCOM = \$600K/yr (hazardous waste)
- 750K tons/yr Regulated Medical Waste
 - MEDCOM = 1,500 tons/yr (\$2M/yr)





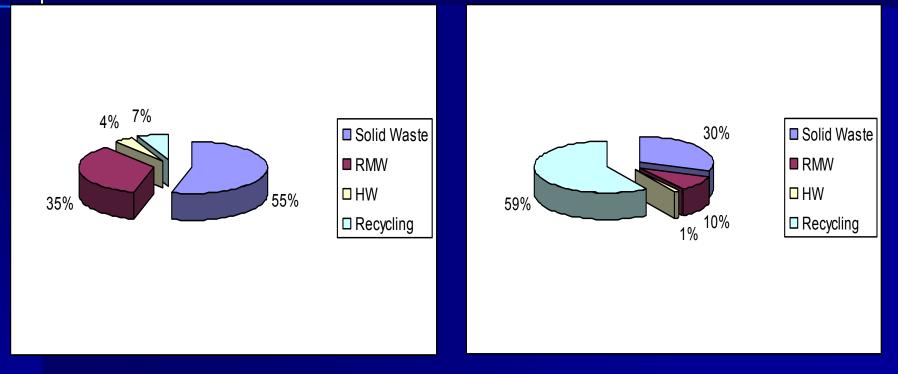
Waste Reduction







HOSPITAL WASTE STREAMS*



Typical Hospital Waste Stream

Optimal Hospital Waste Stream





MEDCOM SUSTAINABILITY -PHASED APPROACH

- Phase I: Policy Memorandum, Community and Marketing
- Phase II: Boundary Development, Benchmarking & Surveying
- Phase III: Sustainability Strategic Plan





MEDCOM SUSTAINABILITY Commitment-

Key ingredients:

- Leadership/Command Emphasis
- Coordination
- Communication
- Education
- Accountability





PHASE I STATUS

Phase I: Policy Memorandum, Brochure, Community and Marketing

- Sustainability Policy signed 20 Feb 09
- Marketing Brochure under development
- Community involvement
 - Practice Greenhealth Corporate Membership (Feb 09)
 - Method to interact/learn from other health care facilities
 - Awards programs
 - Signing Ceremony
 - Training opportunities



PHASE II STATUS



Phase II: Boundary Development, Benchmarking, Surveying

Workshop #1 – 2 April 09

- Stand up HQ MEDCOM Sustainability Meeting Team (Memo for CoS signature)
- Team Building
 - Develop Shared Vision
 - Develop Mission Statement
 - Develop Brand, Logo, and Strategic Communication Plan
 - Begin Developing Sustainability Initiatives for Functional Areas





PHASE II STATUS

- External benchmarking will begin May 09
 2nd MEDCOM sustainability FONCON-22 Apr 09
- Internal surveys and site visits will begin June 09





GREEN TEAMS

- Cross-functional leadership
- Two levels
 - HQ MEDCOM Sustainability Team
 - Establishes measurable goals for Sustainability Strategy Plan
 - Develops policy changes to help achieve goals
 - Provides leadership for the MTF Sustainability Teams





GREEN TEAMS

- Second level
 - MTF Sustainability Teams
 - Local sustainability initiatives
 - Helps establish measurable goals for Sustainability Strategy Plan
 - Establishes and implements specific sustainability goals for each MTF





PHASE III STATUS

Phase III: Sustainability Strategic Plan Completion by late CY 2009 or early 2010 Balanced Score Card Metrics





Looking back....

- Evaluation of alternates to incineration throughout MEDCOM hospitals due to EPA proposed more stringent emission standards.
- Distillation of solvent waste from hospital laboratories.
 - Product not consistently of sufficient quality for reuse.
 - Manpower intensive
 - Not maintained in any facility



MEDCOM SUSTAINABILITY

- Process change from wet chemical x-ray processing to digital x-ray processing.
- Chemical/HM reviews
 - Review of hospital handling/labeling/storage/ disposal of chemicals and expired pharmaceuticals
- H2E Mercury-Free hospitals
 - MEDCOM Mercury Reduction Plan
 - Mercury inventories
 - Systemic review and phase-out



MEDCOM SUSTAINABILITY INITIATIVES-Current



Process change from wet chemical mammogram processing to digital mammogram processing-due to recent FDA approval.

Replacement of inefficient lighting with high efficiency lights which are recycled after use.





MEDCOM SUSTAINABILITY INITIATIVES-Current

- MEDCOM joined Practice Green Health
 Developed MEDCOM sustainable policy (02/09)
- MEDCOM assembled a "Gren Team"
 - 1st mtg (HQ only) in April to announce sustainability strategy
- Developed a questionnaire to benchmark our current status (e.g. energy, water, waste, etc). Sent to each facility.





FUTURE ACTIONS

- LEED implementation
- Facility Energy Audits
- Department of Energy's Energy Star Portfolio
- Green house gas surveys
- MTF Solid Waste Management Studies
- Water conservation plans





FUTURE ACTIONS

- Digital Mammography-system wide
- Piloting Neptune System for operating room waste
- Piloting Vyleater for waste consolidation & HIPPA issues
- Presentations to communicate strategy: AUSA, ASHE, ASHES etc





MOVING FORWARD

- Send Internal Questionnaire as Tasker
- External Benchmark
- Strategic Communications Develop series of Sustainability articles
- MEDCOM Sustainability Workshops
- Establish Sustainability work group
- Analyze Questionnaire results
- Develop Sustainability Strategy
- Implement best management practices
- Develop Strategy Map- Balance Score Card/Metrics







Increase Recycling
Regulated medical waste reduction
Hazardous waste reduction
Energy conservation

- Water conservation
- Greenhouse gases emission reduction



Go

Back

Home

Where to obtain more information http://ofee.gov/eo/eo13423 main.asp

Address All http://ofee.gov/eo/eo13423_main.asp



Sustainable Environmental Stewardship Waste Prevention and Recycling Green Purchasing Electronics Stewardship Environmental Management Systems Sustainable Buildings Industrial Ecology

Office of the Federal Environmental Executive

Promoting sustainable environmental stewardship throughout the federal government

E	
Executive Order 13423	

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E.O. 13423

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USA.gov

On January 24th, 2007, President George W. Bush signed Executive Order 13423, "Strengthening Federal Environmental, Energy, and Transportation Management." The order sets goals in the areas of energy efficiency, acquisition, renewable energy, toxics reductions, recycling, renewable energy, sustainable buildings, electronics

"Strengthening Federal Environmental, Energy, and Transportation Management."

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.

- E.O. 13423
- <u>E.O. 13423 Fact Sheet</u>
- E.O. 13423 Implementing Instructions
- Federal Register Notice of Availability of E.O. 13423 Implementing Instructions
- White House Press Release
- Guidance on Counting Waste-to-Energy in Waste Diversion Goals
- USDA Sustainable Operations Council
- Water Efficiency and Conservation Guidance





http://www.practicegreenhealth.org/

