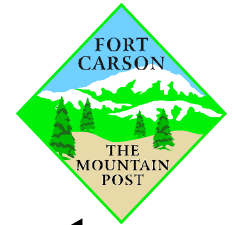




“Best Hometown in the Army”



Fort Carson’s Sustainable Procurement System: Life-cycle Analysis and Bleeding-edge Goals

Garrison Commander
COL Eugene B. Smith

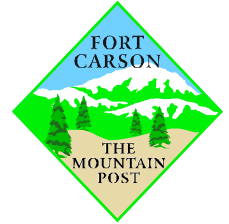
Christopher Juniper and Frank Kinder
Sustainability Planners
20 Nov 2008

Our Mission: *A professional team of teams dedicated to sustainable hometown management, community well-being, and mission readiness*

Leading Change for Installation Excellence



Fort Carson Sustainable Procurement



Federal Executive Order 13423

Require in agency acquisitions of goods and services

(I) use of sustainable environmental practices, including bio-based, environmentally-preferable, energy-efficient, water-efficient, and recycled content products

And (II) use of paper for at least 30% post-consumer fiber content.



Fort Carson Sustainable Procurement



DoD Green Procurement Policy 2004 / 2008

Green products or services must be considered as the first choice in ALL procurements.

Procurement rules REQUIRE you to purchase green products when you are planning to purchase products and services in the following categories (note that this list is not all inclusive)

Office products

Printing services

Traffic control

Fleet vehicles & maintenance products

Lighting

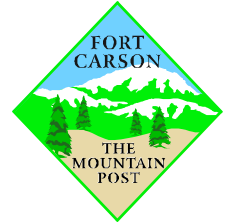
Building construction, renovation & maintenance

Parks & recreation

Appliances



Fort Carson Sustainable Procurement



2027 Fort Carson Goal - established 2002

“Ensure that all Department of Defense and Fort Carson procurement actions support sustainability”

Endstates:

Procurement based on life-cycle costs
Dematerialization
Consider transportation impacts
Stronger, centralized management



Fort Carson Sustainable Procurement



2013 Fort Carson Objectives

Through HotSpots and QuickFixes approach improve sustainability performance: Selection of 15 (combined) by multi-directorate Sustainable Procurement Working Group

Achieve Greater Local Availability of Sustainable Products

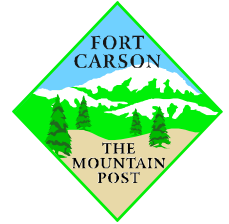
Revise contractual templates

Establish benchmarking of best practices and continually improve

Develop ToolBox for sustainable procurement support



Fort Carson Sustainable Procurement



2013 Objectives

Reduce total costs of HotSpots / QuickFixes ownership 25% through more durable and efficient products

Implement life-cycle costing systems

Use Sustainability Performance Life-cycle Management System for HotSpots
(means baselining and tracking)



Fort Carson Sustainable Procurement



HotSpots

Cleaning systems
Refrigeration devices
Office paper
Served food
Lighting devices

Vehicle fuels
Laundry systems
Paperwork containers
Batteries

Quick Fixes

Printing services
Lavatory disposables
Paint / sealants
Computers

Food service disposables
Traffic control
Kitchen water devices
Computer peripherals



Fort Carson Sustainable Procurement



Greater Local Availability of Sustainable Products

Sustainable Business Training for local vendors

Partners: Chambers / Economic development organizations; other military installations



Fort Carson Sustainable Procurement



Life-cycle costing & management

Costing

Presently stuck using EIA energy cost projections that are considered “low”

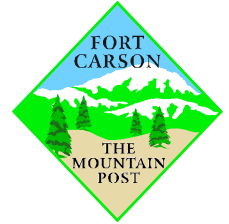
LCA Management (Upstream)

Reduces risks of energy-intensity, water-intensity, toxics use that will increase life-cycle costs

Puts vendors on notice they need to manage life-cycle since customers care



Fort Carson Sustainable Procurement



Sustainability Performance Life-cycle Management System

Combines available quantitative data (Environmental Intensity”) with Qualitative assessments of sustainability performance of product and/or producer

Purpose: To determine most sustainable substitutes and best producers today and expected in future

Compares products and companies to global best practices, not regulations



Fort Carson Sustainable Procurement



Definition of Sustainable Products or Services

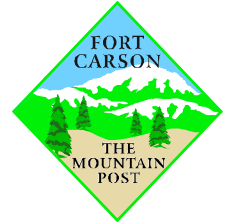
Need to move beyond EPP since:

- (1) Only one environmental attribute is good enough
- (2) Doesn't include producer performance
- (3) Doesn't include social performance

Better Model: EPEAT System



Fort Carson Sustainable Procurement



Definition of Sustainable Products or Services

Ideal Environmental Attributes of Sustainability Performance:

Support Zero Waste goals: (1) non-recyclable materials avoided and (2) maximally reusable or product takeback by mfg

Support Zero Hazardous Waste goals - no haz/toxic materials

Company (1) reports on energy / GHG impacts and (2) Is ISO14001 and/or publicly reports on sustainability goals

Product among competitors for lifecycle energy and water efficiency



Fort Carson Sustainable Procurement



Definition of Sustainable Products or Services

Ideal Social Attributes of Sustainability Performance

Non-executive employee ownership

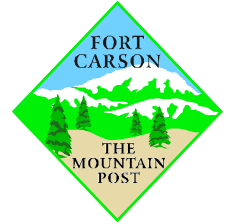
Value-added locally and/or in US

Livable compensation - wages and benefits

Worker health - inc. injury reduction programs



Fort Carson Sustainable Procurement



Life-cycle Research

Where comprehensive rating systems like EPEAT not in place - need “divide and conquer” sustainable product research partnerships

Fort Carson engaging partners at state and local government level and regional military facilities in research partnerships



Fort Carson Sustainable Procurement



Fort Carson Policy Approach

Where appropriate, set minimum levels of performance

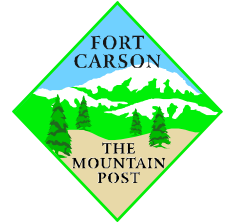
Example: EO13423 specifies 30% recycled content paper

FC's sustainable paper definition adopted by Garrison Commander policy Jan 08: 50% recycled content and chlorine-free

Next up: Cleaning supplies and systems



Fort Carson Sustainable Procurement



Challenges

Full cooperation from purchasing organizations not reporting to Fort Carson GC

Sustainability performance research and ratings

Baselining / measuring when decentralized (credit cards)

Getting funds for purchases with higher up front costs but lower life-cycle costs