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## **FORT CARSON 25-YEAR SUSTAINABILITY GOAL PLAN**

### **SUSTAINABLE PROCUREMENT**

#### **Goal Statement:**

One hundred percent of Fort Carson procurement action support sustainability by 2020.

#### **Long-Term Vision**

The long-term goal for this plan is to ensure that all Department of Defense (DOD) and Fort Carson procurement actions support sustainability by 2020. Although Fort Carson does not control purchases by all organizations in the Department of Defense for use at Fort Carson, it will exert all possible influence to ensure purchases for use at Fort Carson are sustainable.

#### **Ownership and Involvement (Resources, Roles and Authority)**

**Goal Proponent:** DFMWR, Director, Family & Morale, Welfare & Recreation

#### **Goal Lead & Fort Carson Garrison Partners:**

- US Army Mission and Installation Contracting Command (MICC)
- Directorate of Logistics (DOL)/ Army Materiel Command (AMC)
- Directorate of Public Works (DPW) Plans Analysis and Integration Office (PAIO)
- Public Affairs Office (PAO)
- Fourth Infantry Division (4ID) G4
- Directorate of Resource Management (DRM)
- ISRO/ Strategic Forces Command Team (SFC) Team
- Tenant Activities
- Directorate of Plans, Training, Mobilization and Security (DPTMS)

#### **Non-garrison and Off-post Partners:**

- US General Services Administration (GSA)
- Envision Express (Fort Carson store)
- Colorado Springs Chamber of Commerce/Economic Development
- Army and Air Force Exchange Service
- Defense Commissary Agency
- State of Colorado, Office of Energy Management
- Colorado Association for Recycling
- US Environmental Protection Agency
- Defense Logistics Agency
- Peterson AFB
- US Air Force Academy
- Procurement Technical Assistance Center
- Local Business Owners
- Southern Colorado Engagement Working Group

#### **Significant Sustainability Aspects and Impacts**

Fort Carson's Installation Sustainability Plan and Environmental Management System (EMS) identify eight aspects of activities on the Installation that have significant impacts on sustainability and the environment. Two of these aspects are waste and cost/budget. Specifically, waste and cost/budget as they relate to the following activities and operations:

- Waste in packaging
- Waste in food service

- Waste in building debris
- Waste from other business and operational activities
- Cost/Budget for expenditures for products and services
- Cost/Budget for salaries
- Cost/Budget for total costs
- Cost/Budget for operations, repair and maintenance
- Cost/Budget for construction
- Cost/Budget relative to life cycle assessment (cost, environmental, social aspect considerations)
- Cost/Budget relative to programming, planning, budgeting and funding cycles
- Cost/Budget for other operational costs and expenditures.

### **Legal and Other Requirements**

- EO 13149, Greening the Government Through Federal Fleet and Transportation Efficiency, April 2000
- EO 13221, Energy Efficient Standby Power Devices, August 2001
- EO 13423, Strengthening Federal Environmental, Energy and Transportation Management, January 2007
- EO 13514, Federal Leadership in Environmental, Energy and Economic Performance, October 2009
- Federal Acquisition Regulation (FAR) 52.223
- Energy Policy Act (EPACT) 2005
- Energy Independence and Security Act (EISA) 2007
- Federal Acquisition Regulations
- Resource Conservation and Recovery Act
- U.S. Army Strategy for the Environment 2004
- U.S. Army Sustainability Campaign Plan, May 2010
- Office of the Assistant Secretary of the Army for Installations and Environment Strategic Plan, 2009-2015
- Assistant Secretary of the Army for Installations, Energy and Environment Net Zero Initiative, April 2011
- DOD Strategic Sustainability Plan, October 2011
- DOD Green Procurement Strategy, November 2008 Update
- ISP Energy and Water Goal
- ISP Sustainable Development Goal
- ISP Zero Waste Goal
- Federal, state and local legal and other requirements to which the Army and Fort Carson subscribe

### **Alignment with Army Strategy**

The Army Strategy for the Environment: Sustain the Mission – Secure the Future establishes a long-range vision that enables the Army to meet its mission today and into the future. The strategy commits Army leaders at all levels to certain goals and challenges them to develop innovative methods to achieve them. The Fort Carson Sustainability Program was created as a means to facilitate this mission by establishing goals and the policies, plans and procedures needed to attain those goals. The Fort Carson Sustainability Plan operationalizes the Army's strategy by providing the structure for planning, implementation, and monitoring and measuring progress.

The IMCOM Campaign Plan provides for Sustainable Installations, Energy and Water Efficiency and Security, and Assessment and Sustainment of Essential Base Operations Services in the

Installation Readiness Lines of Effort (LOE). The Sustainability Objectives and Targets associated with this goal support all LOE in the IMCOM Campaign, with particular emphasis on accomplishing the Installation Readiness LOE.

### **Background**

The original procurement goal from the 2002 Fort Carson Sustainability Conference established the Installation's 25-year Sustainability Goal as:

#### **100% of Fort Carson and DOD procurement actions support sustainability.**

This goal was developed to address not only sustainability, but also compliance and zero waste. By purchasing products that do not create compliance issues, Fort Carson can eliminate problems resulting from spills, expensive tracking, and negative results from compliance inspections. Additionally, by purchasing products locally, Fort Carson can decrease costs and environmental effects of fossil fuel use and foster local good will and further support of the Installation by local communities.

The desired end state from the 2002 Sustainability Conference is that all forms of purchasing have best value considerations that include sustainability principles. Specifically:

- Decrease "off-the-shelf" purchases
- Educate personnel on sustainable purchases
- Base procurement on life-cycle costs
- Manage Government Purchase Cards (GPCs)
- Better centralize and oversee purchasing
- Create more procurement flexibility (evaluate more than just what costs the least)
- Provide direction for environmentally friendly purchasing
- Consider transportation impacts when purchasing
- Enforce credit card rules
- Create a more consistent procurement process with regards to suppliers' standards (e.g. environmental, quality, cost, etc.)
- Standardize a compliance check to ensure ongoing sustainable procurement practices are executed

By purchasing products designed to reduce materials needed to accomplish the product's service (i.e. dematerialization), products that are durable and/or reusable, or products designed to be easily recycled and/or compostable, Fort Carson can better progress towards its Zero Waste goal. The Sustainable Procurement Goal also supports the Zero Waste Goal by creating a demand for recycled goods, thereby closing the circle of products and making a more robust market for recycled materials and sensitivity to purchasing materials that can easily be reused or recycled.

Sustainable purchases are socially and environmentally responsible. This means, on the environmental side, products and services that are not hazardous, do not cause materials to be extracted or harvested in ways that damage ecosystems, are made from recycled and nontoxic materials, are easily recycled, accomplish the service with the least amounts of materials, are energy efficient in manufacture, transport and use, and use renewable resources that are sustainably harvested.

On the socially responsible side, sustainable products are also protective of the people making and using them – protecting human health, promoting human education and training, promoting livable compensation of workers, and workplace rights as well as general personal wellness.

Sustainable purchases also concern the sustainability practices of the companies making them, including whether the provider is working throughout the entire lifecycle of the product/service to maximize sustainability performance, use of environmental, health and safety and social impacts management systems (preferably a combined Sustainability, Health and Safety and Environmental Management System) and the vendor's public reporting systems (e.g. complying with US or global standards for sustainability reporting).

It is expected that when Fort Carson vendors begin to understand that these are the products the Installation desires, they'll become more competitive with pricing and search for more sustainable sources and ways to make their products.

Given the Net Zero initiative dictating zero waste to landfill by 2020, it is imperative that the 2027 goal for '100% of Fort Carson and DOD procurement actions support sustainability,' be accelerated to 2020. This acceleration requires a reassessment of priorities and timelines for various strategies, as well as a recommitment from all purchasing agents at Fort Carson to sustainable procurement practices.

### ***Federal Government Leadership and Requirements***

Sustainable procurement is the end result of a path begun by the federal government and DOD through executive orders and policies of the past twenty years. The executive orders and policies of greatest import to the Fort Carson Sustainable Procurement Goal are the DOD Green Procurement Strategy, EO 13423, and EO 13514, further explained below.

In 2004, the DOD adopted its "Green Procurement Strategy" – calling for systematic efforts to meet the following objectives:

- Educate all employees on federal green procurement preference programs and opportunities
- Increase green product and service purchases...with continual improvement towards Federal goals
- Reduce the amount of solid waste generated
- Reduce the consumption of energy and natural resources
- Expand markets for green products and services

Through these strategies, the DOD aims to enhance its credibility and demonstrate its commitment to environmental stewardship by "becoming a model consumer of green products and services."

The DOD system includes typical components of the Environmental Management Systems that have become common practice in the world's best managed organizations – including self-assessments of effectiveness and routine management reviews.

However, Fort Carson recognizes that its goal of 100% sustainable procurement is likely to be a higher standard than what presently would fulfill "environmentally-preferred products." Therefore, this goal plan includes exploration of more comprehensive (i.e. including the social aspect of sustainability) and measurable standards for sustainable procurement; Fort Carson has routinely led pilot programs for such standards for the DOD and the federal government. Fort Carson's higher sustainable product/service standards will be developed with collaboration of other federal agencies and local/state governments to ensure the maximum consistency and cost-effectiveness possible.

The most recent Presidential Executive Order (EO) to address the sustainability of federal operations is EO13514 issued October 5, 2009. It further seals the commitment of federal agencies to be environmentally-sound consumers that was initiated by EOs issued in the 1990s and 2000s (and supersedes them).

EO13423 (Jan 2007), prior to and reinforced by 13514, specifically declared it to be the policy of the government that federal agencies conduct environmental, energy and transportation activities in a sustainable manner. Specific goals for agencies include:

- Improve energy efficiency and greenhouse gas emissions by 3% annually through reduction of energy intensity
- Reduce water consumption intensity 2% annually through life-cycle cost-effective measures
- Ensure that half of required renewable energy use comes from new sources
- Require the “use of sustainable environmental practices” in agency acquisitions of goods and services – including bio-based, energy efficient, water-efficient and recycled-content products and paper with a minimum of 30% post-consumer fiber content.

### **Challenges & Barriers**

- Accelerated deadlines due to Net Zero Water, Energy & Waste
- Funding constraints
- Effective educational outreach to buyers on the various types of sustainable products available
- Customer and contractor support
- Availability of initial cost-competitive sustainable products
- Technology limitations
- Perceptions that new and “green” products are not as reliable or are more costly
- Enforcement of Affirmative Procurement Plan and Government Purchase Card (GPC) purchases
- Available organizational time/staffing
- Data collection, analysis and trending information difficult to acquire or not available
- Challenges of training all Fort Carson purchasers given high turnover, Installation expansion and numbers of purchasers

### **Training, Education and Outreach**

- EMS Awareness
- Sustainability Module within Government Purchase Card Training
- Other competence training relative to procurement, e.g. Contracting Officer Representative Course, Hazardous Waste Awareness Training, etc.)
- Defense Acquisition University Green Procurement Training at [www.dau.mil/training/default.aspx](http://www.dau.mil/training/default.aspx)

### **Communication**

- Internal communication about sustainable procurement through Mountaineer articles, policy letters, education, training and awareness, other publications and announcements, workshops and other methods
- External communication with chamber of commerce, economic development, Procurement Technical Assistance center, state and local governmental and non-governmental organizations, including the Southern Colorado Sustainable Communities conference

**Document Control**

Organizational/Unit Knowledge Management (SharePoint) sites

**Operational Controls**

- DOC/MICC Contracting and Organizational Standard Operating Procedures (SOPs)
- Organizational GPC SOPs
- DPTMS Security Checklist
- Organizational electronic files, shared drives and Sharepoint; and/or hard copy files

**Monitoring & Measurement**

- GPC reports and audits
- Other DOC/MICC reviews and audits
- Training records
- Contract Review Board
- GFEBs
- GSA Reports

**Evaluation of Compliance**

- DOC/MICC reviews and audits
- GPC SOP requirements
- GSA Report Reviews
- Site Assistant Visits
- Nonconformity
  - Procurement Integrity
  - Unauthorized commitment determinations

**Control of Records**

- GFEBs
- GPC records
- CO/COR records
- Contractor reports

**Annual Review**

Annual sustainability management review

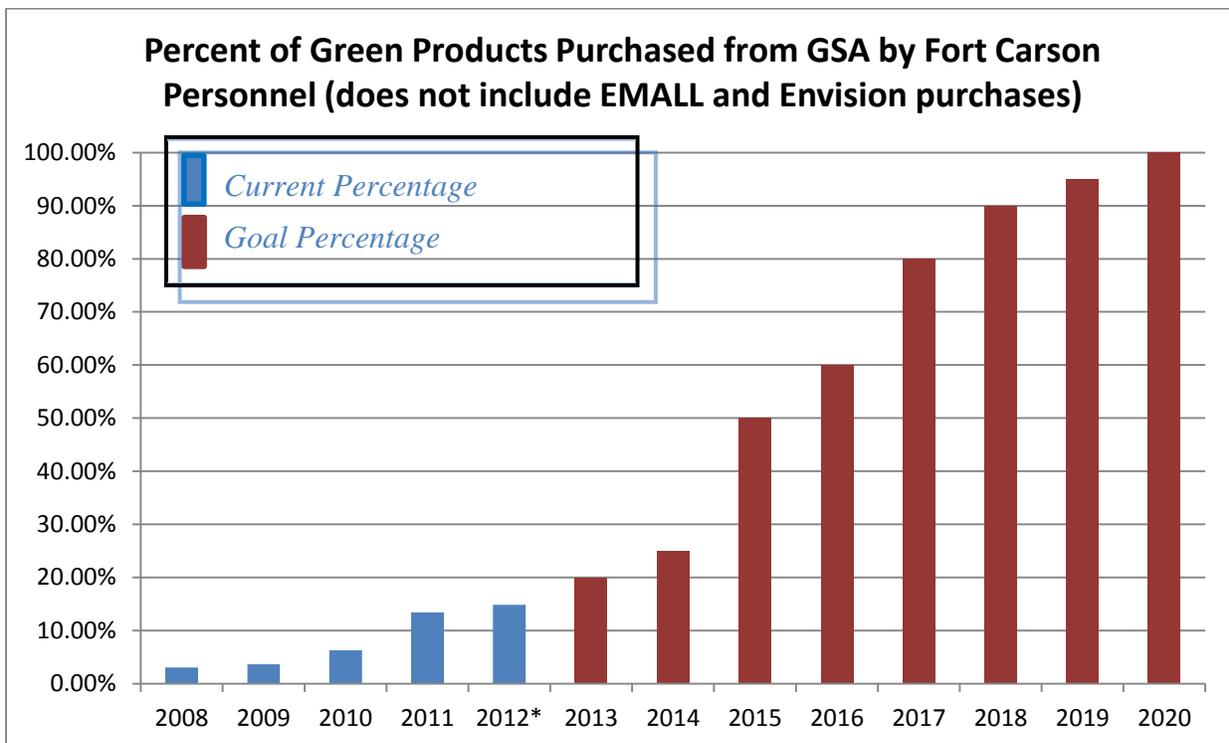
**Goal Objectives and Targets**

**Objective PR1: Increase the percentage of USEPA designated products and services purchased through GSA, DOD Email and the Envision Store, which contain recycled content**

**Target by FY12:**  
50% Fort Carson applicable items purchased with recycled content

**Target by FY17:**  
80% Fort Carson applicable items purchased with recycled content

**Target by FY20:**  
100% Fort Carson applicable items purchased with recycled content



**Details on Objective PR1 Targets**

**Measures:** Percentages based on number of purchases through GSA, DOD Email and the Envision Store (GSA) that meet the Comprehensive Procurement Guidelines (CPG) Program designation by the U.S. Environmental Protection Agency (USEPA) compared to total # of purchases of similar products. The USEPA recommends recycled content levels for eight categories of products which will be considered “USEPA designated” for purposes of this objective. The categories are:

- [Construction Products](#)
- [Landscaping Products](#)
- [Nonpaper Office Products](#)
- [Paper and Paper Products](#)

- [Park and Recreation Products](#)
- [Transportation Products](#)
- [Vehicular Products](#)
- [Miscellaneous Products](#)

**Scope:** GSA, DOD Email, Envision Store purchases

**Source:** GSA, DOD Email, Envision Store database

**Baseline:** 2008

**Limitations:** Fort Carson purchasers buy millions of dollars worth of products and services per year. Approximately \$19M is spent annually through the Government Purchase Card (GPC). The remainder is purchased through a variety of contracting mechanisms: local contracting office; U.S. Army Corps of Engineers; others. Tenant agencies such as Defense Logistics Agency (DLA), Defense Commissary Agency (DeCA), Army Air Force Exchange Service (AAFES) and others use their own purchasing agencies and processes. The measure is limited at this time to GSA data due to categorical limitations in the data from other sources. The measure does not include purchases made through the local contracting office or other process. It does not measure whether or not the item with the maximum recycled content was purchased or whether a CPG product was available for purchase. It does not evaluate whether the product purchased is recyclable at the end of its useful life. It does not evaluate the cost differential between an item without recycled content compared to an item containing recyclable material. It does not include other sources of products that may contain recycled content such as Unicolor.

**Verification & Validation:** The SFC Team compiles data received from GSA only. The Team resolves discrepancies or inconsistencies with the respective agency.

**Comment:** Under the Comprehensive Procurement Guideline (CPG) program, the U.S. Environmental Protection Agency (EPA) designates products that are or can be made with recovered materials, and recommends practices for buying these products. Once a product is designated, procuring federal agencies are required to purchase it with the highest recovered material content level practicable. Buying recycled content products helps to ensure that the materials collected in home and office recycling programs will be used again in the manufacturing of new products.

### **Initiatives in Support of Objective PR1 (FY12/FY13)**

**Initiative PR 1.1:** Collect, compile and analyze data for EPA CPG-designated products from GSA, DOD Email and the Envision Express.

Participants involved: SFC Team, MICC/DOC, GSA, DOD Email, Envision Express

**Initiative PR 1.2:** Place emphasis on purchasing items with maximum recycled content and CPG Program eligible products in training modules and presentations.

Participants involved: SFC Team, MICC/DOC

**Initiative PR 1.3:** Create and deploy a procurement communication plan including emphasis on purchasing items with maximum recycled content and CPG Program eligible products.

Participants involved: SFC Team

**Initiative PR 1.4:** Collaborate with the on-site Envision Express to stock products containing maximum recycled content.

Participants involved: SFC Team, Envision Express, GSA

**Initiative PR 1.5:** Collaborate with GSA, Unicor and others to demonstrate recycled content items during a vendor fair, furniture store display or other event.

Participants involved: SFC Team, GSA, Unicor, MICC/DOC

**Initiative PR 1.6:** Update and re-issue the Garrison paper policy to require at least 50% recycled content.

Participants involved: Procurement Team, SFC Team, Envision Express

**Initiative PR 1.7:** Analyze and establish methods to improve tracking of purchased products to capture all products and align with EPA categories.

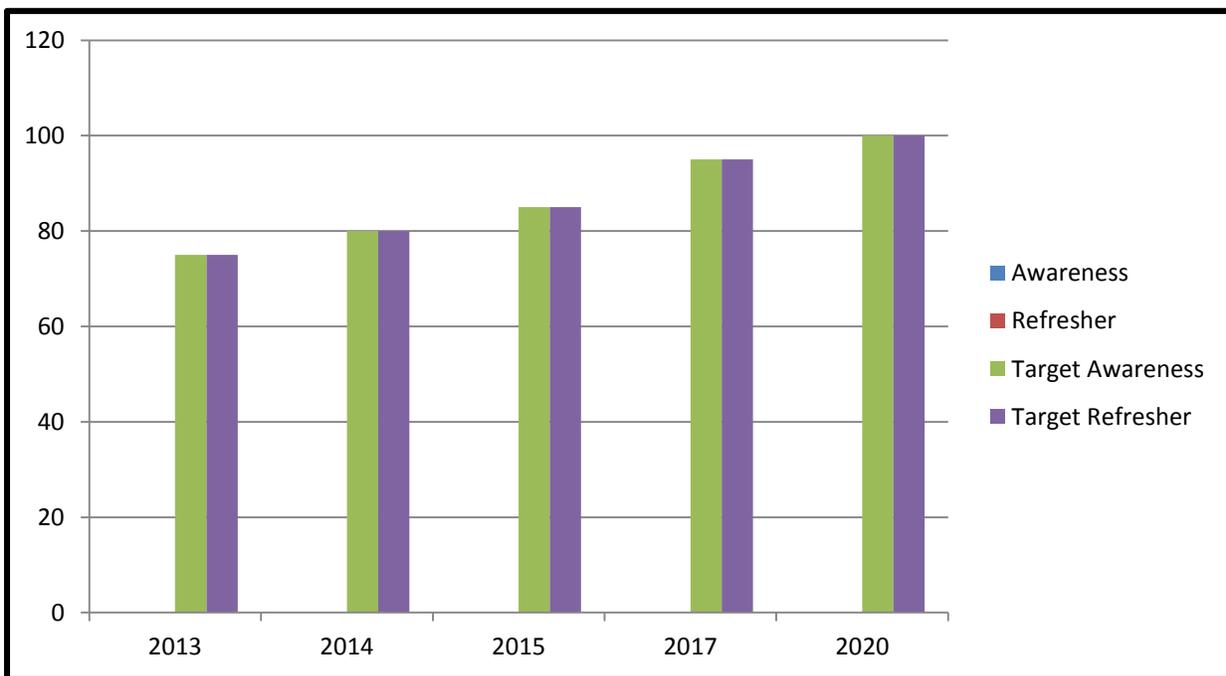
Participants involved: Procurement Team, SFC Team, Envision Express, DOL, and all other purchasing entities.

**Objective PR2: Increase the awareness and knowledge of personnel working for or on behalf of Fort Carson to make sustainable procurement requests and decisions**

**Target by FY14:**  
80% of all personnel receive initial or annual refresher training

**Target by FY17:**  
90% of all personnel receive initial or annual refresher training

**Target by FY20:**  
100% of all personnel receive initial or annual refresher training



**Details on Objective PR2 Targets**

**Measures:** Percentage of all personnel working for or on behalf of Fort Carson who have received initial awareness or annual refresher training in sustainable procurement requirements and strategies.

**Scope:** All personnel working for or on behalf of Fort Carson.

**Source:** Organizations/Units

**Baseline:** 2013

**Limitations:** Accountability for completing the required training and/or recordkeeping may be limiters.

**Verification & Validation:** Supervisors in accordance with the EMS ensure personnel are competent to perform their job duties and responsibilities. The GPC Standard Operating Procedure requires initial

and refresher training. All GPC cardholders and billing officials are required to take Environmentally Preferable Purchasing (DPP) training from Defense Acquisition University (DAU) and bring in a certificate of completion in order to receive a GPC account through the MICC/DOC.

**Comment:** A command directive for the training and a method of data collection will be needed to capture the extent of sustainable procurement training for other than GPC cardholders and billing officials.

### **Initiatives in Support of Objective PR2 (FY12/FY13)**

**Initiative PR 2.1:** Create/Modify existing training to make all personnel working for or on behalf of Fort Carson aware of significant aspects of local and sustainable procurement. Add different levels of training to match levels of MICC personnel.

Participants involved: SFC Team, MICC

**Initiative PR 2.2:** Continue to require all Government Purchase Cardholders and Billing Officials receive sustainable procurement training and annual refresher.

Participants involved: MICC

**Initiative PR 2.3:** Continue to promote and assist leaders/supervisors/managers to include initial and refresher training, competence training and accountability for sustainable procurement performance in Individual Development Plans (IDP), job requirements and performance objectives.

Participants involved: SFC Team, Procurement Team

**Initiative PR 2.4:** Implement an OPORD and recordkeeping and reporting process to establish a baseline and track the number of people receiving initial awareness training and annual refresher training compared to those required to have the training.

Participants involved: Procurement Team, Directors/Supervisors, Commanders/NCOs

**Initiative PR 2.5:** Communicate life cycle assessment spreadsheets applicable to requestors/purchasing activities for use in scoping projects and making purchasing decisions. Update LCAs as warranted. (LCAs completed for mattresses, laundry systems, furniture, lighting, vehicle fuels and oils, and various batteries.)

Participants involved: SFC Team, applicable requestors/purchasing activities

**Initiative PR 2.6:** Change local forms or provide checklists to purchasers/requestors to remind users to purchase sustainable products and document purchasing activity.

Participants involved: SFC Team, MICC/DOC, 4<sup>th</sup> ID, Garrison, MEDDAC, Others

**Initiative PR 2.7:** Communicate awareness about sustainable procurement initiatives through stakeholder presentations, publications, social media, outreach and other methods, including Southern Colorado Sustainable Communities activities.

Participants involved: SFC Team, MICC/DOC, EQCC, DPW, PAIO, PAO

**Initiative PR 2.8:** Conduct Installation-wide culture/procurement surveys every 2-3 years to collect information from respondents about their purchasing practices and to assess results of training, accountability and other initiatives towards reaching the 2020 target.

Participants involved: SFC Team, Survey Respondents

**Objective PR3: Improve the sustainability performance of key products and services to be determined**

**Target by FY14:**  
Document performance baseline of targeted products or services and establish performance target

**Target by FY17:**  
Meet performance targets established for key products or services

**Target by FY20:**  
All performance targets met for established products and services

**Details on Objective PR3 Targets**

**Measures:** Percent performance improvement achieved for established sustainable procurement targets (to be determined).

**Scope:** All DOD purchases on Fort Carson of targeted products or services (to be determined).

**Source:** Data from purchaser documentation or purchasing sources, e.g. GSA, DOD EMall, etc.

**Baseline:** To be determined based on initial data collection.

**Limitations:** No data currently collected/available.

**Verification & Validation:** SFC Team, Director/Supervisor, Internal Review or other review/audit process.

**Comment:** The definition of what is a sustainable product or service can be complicated, but it is the simultaneous consideration of mission, environmental, social and economic performance in the context of the requirement. EO 13514, DOD Strategic Sustainability Plan, DOD Procurement Plan and the FAR specify or encourage the use of particular sustainable products, e.g. Biopreferred, Made in USA, etc. Key products and services will be prioritized based on regulatory requirements and:

High Volume, Low Cost	High Volume, High Cost
Low Volume, Low Cost	Low Volume, High Cost

The Federal Green Challenge for procurement includes the following targets which may also serve to prioritize key products and services: Achieve a 5% increase or reduction in the following activities:

- Increase the recycled content of purchases office paper products;
- Increase the percentage of green cleaning products purchased;

- Decrease the pounds of pesticides purchased; and
- Increase the number of hosted meetings and events delivered under a Green Meeting Policy

The procurement goal is tightly linked to the Zero Waste and Net Zero goals. Another criterion for selection of a key product or service may be whether or not it is disposed of in a landfill at the end of its useful life.

### **Initiatives in Support of Objective PR3 (FY12/FY13)**

**Initiative PR 3.1:** Collect, compile and analyze data from legal requirements, Envision Express, GSA, DOD Email and others regarding purchases on Fort Carson in order to establish a baseline and future targets for improvement.

Participants involved: SFC Team, PAIO, Envision Express, GSA, DLA, GRM, MICC/DOC, GPC Holders, Others as appropriate

**Initiative PR 3.2:** Identify and establish baseline performance data for key products and services based on volume of purchases, cost of purchases, life cycle impacts or other environmental, social and economic factors.

Participants involved: SFC Team, MICC/DOC, GSA, DLA, Envision, Procurement Team

**Initiative PR 3.3:** Prioritize and establish performance targets for selected or targeted products and services.

Participants involved: SFC Team, Procurement Team

**Initiative PR 3.4:** Conduct/Update Life Cycle Assessments and/or Return on Investment Analysis as appropriate to determine the impact of products and services relative to environmental, social and economic factors and Fort Carson sustainability and environmental aspects.

Participants involved: SFC Team, Requestor/Purchasing Activity

**Initiative PR 3.5:** Where LCA is not necessary or appropriate, use sustainability principles to make the best value decision using a sustainability decision making tool.

Participants involved: SFC Team, Requestor/Purchasing Activity, Decision Makers

**Initiative PR 3.6:** Complete Lean Six Sigma print management assessment, establish target improvement areas and implement revised policy(s) as determined appropriate.

Participants involved: SFC Team, Garrison, LSS Team

**Initiative PR 3.7:** Prepare and operationalize policy, documentation and recordkeeping to integrate and institutionalize sustainable procurement in DOD purchasing actions on Fort Carson. Use SharePoint to achieve this to save paper.

Participants involved: SFC Team, Procurement Team, Directors/Commanders

**Initiative PR 3.8:** Review/Audit performance periodically to determine adherence to FAR and other requirements, operational controls and recordkeeping.

Participants involved: SFC Team, Procurement Team, Internal Review, Directors/Commanders

**Initiative PR 3.9:** Propose/Make performance improvements.

Participants involved: SFC Team, Procurement Team, Internal Review, Directors/Commanders

**Initiative PR 3.10:** Collaborate with the PTAC, DOC/MICC and others to encourage local small and minority businesses to become eligible for government contracts. Also support through GC breakfasts.

Participants involved: DOC/MICC, Southern Colorado Engagement Working Group, PTAC, local chambers of commerce and/or economic development organizations

**Initiative PR 3.11:** Encourage units deploying to the PCMS for training to purchase products and services on the local economy where feasible and possible. (The most sustainable product or service should be requested in alignment with other initiatives such as USEPA recommended recycled content designations for product categories.)

Participants involved: DOC/MICC, Southern Colorado Engagement Working Group, PTAC, DPTMS, PAIO, local chambers of commerce and/or economic development organizations

**Initiative PR 3.12:** Maximize purchases by permanent cadre personnel at PCMS on the local economy where feasible and possible. (The most sustainable product or service should be requested in alignment with other initiatives such as USEPA recommended recycled content designations for product categories.)

Participants involved: DOC/MICC, Southern Colorado Engagement Working Group, PTAC, DPTMS, PAIO, local chambers of commerce and/or economic development organizations

**Objective PR4: Eliminate the purchase, use and disposal of Styrofoam® and non-biodegradable single use plastics by 2020 (except medical)**

**Target by FY13:**

Eliminate the use of non-biodegradable single use food service items (e.g. Styrofoam® and plastic utensils, plates, etc)

**Target by FY15:**

- 1) Eliminate the use/disposal of Styrofoam® and non-biodegradable plastic packaging material AND
- 2) Eliminate the use of non-biodegradable single use plastic bags (shopping and trash bags)

**Target by FY17:**

Eliminate the use of non-biodegradable single use plastic beverage, milk and other containers

**Target by FY20:**

Eliminate the use of all other Styrofoam®, plastic container and packaging material (following the Navy's PRIME and/or WRAPS Programs)

**Details on Objective PR4 Targets**

**Measures:** (1) Presence/Absence of non-biodegradable plastics and Styrofoam® used in specified military and commercial applications and operations. (2) Percentage of Plastic Removal in the Marine Environment (PRIME) and Waste Reduction Afloat Protects the Seas (WRAPS) purchased compared to non-PRIME container and packaging material.

**Scope:** All DOD activities regardless of Command.

**Source:** Data from AAFES, DeCA, DLA, AMC, MEDDAC, DFMWR other mission support or commercial activity.

**Baseline:** (1) Single use plastic bags; beverage, milk and other containers; eating utensils and service ware; Styrofoam and plastic packaging in use, received or available on Fort Carson for mission and commercial operations (to be determined). (2) PRIME and WRAPS purchased/not purchased.

**Limitations:** Data do not include single use plastic medical or other supplies without substitutes.

**Verification & Validation:** SFC Team, Procurement Team.

**Comment:** The elimination of plastic may be required at DOD/DA level and/or within specific Commands, e.g. AAFES, DeCA, etc. Eliminating some plastic will not be under Fort Carson or perhaps DOD control, but DOD/Army/Fort Carson and other installations may influence changes including individual selections. Some single use plastic may be required for currently unknown requirements. Further, commercial waste and sanitary items will be difficult to eliminate through procurement methods.

### **Initiatives in Support of Objective PR4 (FY12/FY13)**

**Initiative PR 4.1:** Continue education about the environmental, health, social and economic impacts of single use plastic and Styrofoam®. Encourage and support individual decisions and changes in organizational systems to reduce, reuse, return to manufacturer and replace Styrofoam® and non-biodegradable plastics with reusable or biodegradable alternatives.

Participants involved: SFC Team, Directors/Commanders, DFMWR

**Initiative PR 4.2:** Conduct a data gathering, analysis, documentation and reporting process(es) for Styrofoam® and non-biodegradable single use plastics use on Fort Carson and establish reduction baselines and targets. Use the DFAC audit study, as well as in-progress reviews of Installation-wide purchases to target and prioritize.

Participants involved: SFC Team, 4<sup>th</sup> ID, DOL/AMC, AAFES, DeCA, Envision Store, GSA, DOD Email, DOC/MICC

**Initiative PR 4.3:** Determine the requirements of provisioning of drinking water in conduct of training missions, emergency management, and events, if any. Identify, plan and implement actions to replace these items with bulk delivery, reusable or biodegradable alternatives.

Participants involved: SFC Team, Procurement Team, 4<sup>th</sup> ID, DES, DOL/AMC, DFMWR

**Initiative PR 4.4:** Explore current DOD and community initiatives to eliminate the use and availability of plastic shopping bags, if any. Also, identify the availability and performance of biodegradable trash bags and other bags discovered in use on Fort Carson. Identify and promote the use of reusable and biodegradable alternatives.

Participants involved: SFC Team, Procurement Team, Directors/Commanders, Envision Store, GSA, DOD Email, GPC Cardholders, DPW (Custodial Contract), DOL/AMC (DFAC Contract), DeCA, AAFES

**Initiative PR 4.5:** Determine the extent to which Styrofoam® and non-biodegradable service items in food service are used on Fort Carson. Identify, plan and implement actions to replace these items with reusable or biodegradable alternatives.

Participants involved: SFC Team, Procurement Team, DOL/AMC, DFAC Managers, DFMWR and Commercial Vendors (e.g. event vendors, Boriello Brothers, The Foxhole, etc), AAFES & Commercial Vendors (e.g. Burger King, Arby's etc), DeCA, DOC/MICC

### **Alignment with IMCP and Installation Plans**

IMCOM Campaign Plan: LOE 4, Installation Readiness

Fort Carson Campaign Plan: Family LOE 3.2, Quality and Predictable Facilities and Services and 3.3, Quality of Life