

Fort Carson Sustainability Charter (Includes Goals)

Fort Carson's mission is to train, mobilize, deploy, and sustain the ... 7th Infantry Division and Fort Carson; to be a premier Warfighting Center and an effective power projection platform... ; and to provide a caring environment for all in a climate of cooperation and partnership with civilian and military neighbors.

Our core values are the Army's values and sustainability is driven by these values.

To effectively live our values and accomplish this mission, Fort Carson must be an *enduring* installation ... a *sustainable* installation.

We envision Fort Carson 25 years from now:

- ✓ **Enduring like a National Treasure**
- ✓ **Inspiring as a model of sustainability**
- ✓ **Restoring the environment**
- ✓ **Returning value to the community**

“Sustainable Fort Carson: Enduring G.E.M. of the West!”

Besides complying with environmental laws, we commit to pursuing long term sustainability. We will assess progress and add goals through a continual review and update process. Our initial goals are:

Desired End State: Secure sustainable energy resources for Fort Carson

Metric: 100%

Time Frame: Mission essential by 2015; All by 2027

Proponent: DPW

Final goal wording: Sustain all facility and mobility systems from renewable sources with the capacity to generate all facility energy on post.

Issue: Dependence on fossil fuels, adverse air emissions, funding for life cycle costs, reliance on petroleum imports, vulnerability.

- **Proponent Organization: DPW**
- **Team Member: Colorado Springs Utilities**
- **Team Member: DECAM**
- **Team Member: Regulatory Agencies**
- **Team Member: CERL and other research laboratories**
- **Team Member: DOE/FEMP**
- **Team Member: Pikes Peak Energy Council**
- **Team Member: Regional Installation Management Directorate**
- **Team Member: PPACG - Pikes Peak Area Council of Governments**
- **Team Member: Other DoD Installations**
- **Team Member: Western Regional Environmental Office**

Desired End State: Enhance quality of life and support rapid deployment.

Metric: 20% per capita reduction in vehicle miles traveled on post by 2015, and 40% by 2027; 20% of total trips on post using alternative modes by 2015, and 40% by 2027; alternative mode network in place by 2015.

Time Frame: 2027

Proponent: DOL

Final goal wording: Reduce automobile dependency, and provide balanced land use and transportation systems.

Issue: Lack of viable alternatives for single occupancy vehicles, number of trips on/off-post, time for travel, adverse air emissions, sprawl

- **Proponent Organization: DOL**
- **Team Member: DPW**
- **Team Member: DCA**
- **Team Member: DECAM**
- **Team Member: Provost Marshall**
- **Team Member: PPACG**
- **Team Member: Strategic Planning Office**
- **Team Member: Military Unit Representatives**
- **Team Member: Clean Cities Coalition**
- **Team Member: Western Regional Environment Office**
- **Team Member: DOT**
- **Team Member: Transit Agency**

Desired End State: Southeast Colorado and Ft. Carson are a single community of understanding

Metric: # Leader tours; # Journal references; Visitor center counts; Ft. Carson practices adopted by other organizations; # Community presentations; Periodic public surveys to include: # of hits on web site, # of visits of outreach office; Increased attendance at military and community functions, reduction in number of complaints

Time Frame: 20% increase in metrics in first 2 years with continual improvement over next 20 years

Proponent: Public Affairs Office (PAO)

Final goal wording: Improve communication to foster understanding and attain a community of one

Issue: Lack of knowledge about on- and off-post communities; communication and education

- **Proponent Organization: PAO**
- **Team Member/Role: Law enforcement PIO/participate and communicate**
- **Team Member/Role: DECAM/technical experts**

- **Team Member/Role:** Chambers of Commerce/participate and communicate
- **Team Member/Role:** EDCs/ participate and communicate
- **Team Member/Role:** Councils of governments/participate and communicate
- **Team Member/Role:** Other DoD and Federal agencies/participate and communicate
- **Team Member/Role:** Local media/participate and communicate
- **Team Member/Role:** Elected officials/participate and communicate
- **Team Member/Role:** Colorado sustainable business network/participate and communicate
- **Team Member/Role:** Schools and community organizations/participate and communicate

Desired End State: A working and living environment within the limits of regional resources

Metric: multiple metrics of resource availability – recreation, trails per capita, cultural site availability and access, water resources – water use per capita, recycling – products produced – green buildings at gold and/or platinum standard, ecological resources – measures of biodiversity; # of proponents participating in, adopting, and implementing the plan as a part of performance objectives and political agendas; alignment of Ft. Carson sustainability plans with community sustainability plans

Time Frame: 2030, with annual updates; in SPPO performance appraisals by 2004

Proponent: Strategic Plans and Programs Office (SPPO)

Final goal wording: Create regional partnerships to influence the implementation of sustainability plans

Issue: There is no integrated regional plan for sustainable development; water, infrastructure, services, ecological, quality of life, natural resources and their depletion.

- **Proponent Organization:** SPPO
- **Team Member/Role:** Law enforcement PIO/participate and communicate
- **Team Member/Role:** DECAM/technical experts
- **Team Member/Role:** Chambers of Commerce/participate and communicate
- **Team Member/Role:** EDCs/ participate and communicate
- **Team Member/Role:** Councils of governments/participate and communicate
- **Team Member/Role:** Other DoD and Federal agencies/participate and communicate
- **Team Member/Role:** Local media/participate and communicate
- **Team Member/Role:** Elected officials/participate and communicate
- **Team Member/Role:** Colorado sustainable business network/participate and communicate
- **Team Member/Role:** Schools and community organizations/participate and communicate

Desired End State: Fort Carson's water use is sustainable within the resource limitations of the region.

Metric: net inflow (potable and non-potable)

Time Frame: 2027 (within phased increments developed by sustainability team)

Proponent: DPW

Final goal wording: Total water purchased from outside sources reduced by 75% from 2001 baseline.

Issue: Discharge of wastewater, small quantity of re-use, inefficient water consumption, need for sustainable regional water source solutions, water use in landscaping.

- **Proponent Organization:** DPW
- **Team Member/Role:** DECAM/technical, advisory
- **Team Member/Role:** Colorado Springs Utilities/technical support, privatization concerns
- **Team Member/Role:** DCA/leadership, advisory
- **Team Member/Role:** City of Colorado Springs/planning
- **Team Member/Role:** El Paso, Pueblo, Las Animas and Fremont Counties/planning
- **Team Member/Role:** USACE/technical support, subject matter experts
- **Team Member/Role:** City of Trinidad/planning
- **Team Member/Role:** (Regulatory agencies)

Desired End State: 100% implementation of an integrated, comprehensive, long-range planning and development process (to include currently exempt programs, training ranges and buffer zones) based on sustainability principles.

Metric: All projects go through Planning Board Review and proceed in accordance with Master Plan and Regional Plan

Time Frame: 2006 (continuous)

Proponent: DPW

Final goal wording: Integrated, comprehensive Fort Carson Master Plan prepared and implemented to include local stakeholders. Regular input and modification through Planning Board Meetings.

Issue: Ineffective implementation of comprehensive planning, lack of consideration of community and regional land use issues, fragmented development and planning procedures, infrastructure upgrade concerns, need for buffers to protect training areas, ability to train the Objective Force.

- **Proponent Organization:** DPW
- **Team Member/Role:** El Paso, Pueblo, Las Animas and Fremont Counties/planning
- **Team Member/Role:** Regional Environmental Office/planning
- **Team Member/Role:** Pikes Peak Area Council of Governments/planning
- **Team Member/Role:** Colorado Springs Planning, Public Works/implementation
- **Team Member/Role:** All Directorates at Fort Carson/planning
- **Team Member/Role:** USACE/technical support
- **Team Member/Role:** CO State Department of Local Affairs/planning

- **Team Member/Role: WREO**
- **Team Member/Role: Northwest Regional Office (IMA)/funding and approval**

Desired End State: Buildings at Fort Carson are planned, funded, constructed and maintained according to sustainability principles.

Metric: LEED, SPiRiT

Time Frame: 2027 (within phased increments developed by sustainability teams)

Proponent: DPW

Final goal wording: All buildings on Fort Carson will meet the Platinum Standard.

Issue: Life cycle and sustainability considerations not reflected in building/facility design, renovation, construction. Decisions based on first-cost. Contracting and privatization do not adhere to sustainability principles.

- **Proponent Organization: DPW**
- **Team Member/Role: DECAM/technical support**
- **Team Member/Role: JA Jones/implementation**
- **Team Member/Role: Home Builders Association/technical**
- **Team Member/Role: AAFES/implementation**
- **Team Member/Role: DOC/implementation**
- **Team Member/Role: DCA/implementation**
- **Team Member/Role: USACE/implementation**
- **Team Member/Role: USARC/implementation**
- **Team Member/Role: National Guard/implementation**
- **Team Member/Role: All other tenants/implementation**
- **Team Member/Role: US Green Building Council**
- **Team Member/Role: Colorado Springs Utilities/implementation**
- **Team Member/Role: School District 8/implementation**
- **Team Member/Role: AIA/technical advisory**
- **Team Member/Role: Colorado Sustainable Business Network**
- **Team Member/Role: Colorado Environmental Coalition**
- **Team Member/Role: DeCA/implementation**

Desired End State: All stakeholders are trained, compliant, and motivated towards sustainability principles.

Metrics and Timeframes:

- 100% participation in education program for on-post personnel by 2005, off-post outreach/education by 2007;
- Establish a Sustainability Index by 2005 (a numerical measure of behavior change linked to other sustainability goals);
- Incorporate Sustainability Principles into job descriptions by 2005;
- Establish incentives program to reward compliance with sustainability principles by 2005 (e.g., money saved is returned to units, time off).

Proponent: SPPO

Issue: Lack of awareness of sustainability principles and implications; lack of institutional, community and individual responsibility and accountability; stakeholders are not committed or educated.

- **Proponent Organization: SPPO**
 - **Team Member: G3/DPTM**
 - **Team Member: DOC**
 - **Team Member: ACS**
 - **Team Member: DECAM**
 - **Team Member: DOL**
 - **Team Member: AAFES**
 - **Team Member: DCA**
 - **Team Member: DOIM**
 - **Team Member: PAO**
 - **Team Member: Pikes Peak Area Council of Governments**
 - **Team Member: CPAC**
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Desired End State: 100% of DoD and Fort Carson procurement actions support sustainability.

Metrics and Timeframe:

- Develop and use a comprehensive life-cycle resource management tools by 2005 (develop Sustainability Preferable Purchasing (SPP) criteria);
- 100% of local purchases are SPPs by 2007;
- 50% of DoD purchases are SPPs by 2017, 100% by 2027;

Proponent: DOC

Issue: DoD and Fort Carson purchases do not support sustainability; we expend too many resources on compliance, often to the detriment of the mission.

- **Proponent Organization: DOC**
 - **Team Member: DOL**
 - **Team Member: G4**
 - **Team Member: DPTM**
 - **Team Member: DPW**
 - **Team Member: DECAM**
 - **Team Member: DOIM**
 - **Team Member: DoD Suppliers**
 - **Team Member: ACA**
 - **Team Member: DRMO**
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Desired End State: Zero waste disposal

Metrics and Timeframe:

- Total weight of solid and hazardous waste reduced 50% by 2010, 100% by 2027;
- Total weight of HAP emissions reduced 50% by 2010, 100% by 2027;
- Total volume of wastewater and stormwater treated reduced 50% by 2010, 75% by 2020;

Proponent: DPW

Issue: We generate too much waste; all materials are not effectively used, reused, or recycled

- **Proponent Organization: DPW**
 - **Team Member: DECAM**
 - **Team Member: Colorado Springs Utilities**
 - **Team Member: Regulatory agencies**
 - **Team Member: DOC**
 - **Team Member: AAFES**
 - **Team Member: MEDDAC**
 - **Team Member: Garrison Command**
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Desired End State: Training ranges (firing ranges, air space, and maneuver lands) capable of supporting current & future military training to standard.

Metric:

1. Capability to train all Fort Carson user units to standard within 5 years
2. Proactive environmental monitoring of training land and biodiversity to determine how to allocate sustainment resources (annual review)
3. Zero environmental and safety impacts of expended munitions (annual review)
4. Mitigation of archaeological sites (knowledge of all sites within 5 years; 25% closure every 5 years thereafter).

Time Frame: 2027

Proponent: DPTM/G-3

Issue: Readiness

- **Proponent Organization: DPTM/G-3**
 - **Team Member: DECAM**
 - **Team Member: USFWS**
 - **Team Member: Major Subordinate Commands**
 - **Team Member: SHPO**
 - **Team Member: Local Government Officers**
 - **Team Member: CDPH/EPA**
 - **Team Member: DPW**
 - **Team Member: Tribes**
 - **Team Member: Garrison Commander**
 - **Team Member: Non-governmental organizations**
 - **Team Member: Universities/Colleges**
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Desired End State: An installation (FC and PCMS) buffered from external encroachment

Metric: 2003,4,5 Walker #1,2,3 Easement
2002-5 Expansion effort for PCMS
2010 Completed (100%) expansion of PCMS

Time Frame: 2010

Proponent: G-3

Issue: Threatened and Endangered Species and other encroachment issues will significantly restrict training

- **Proponent Organization: DPTM/G-3**
- **Team Member: DECAM**
- **Team Member: USFWS**
- **Team Member: The Nature Conservancy**
- **Team Member: Private Land Owners**
- **Team Member: Government Land Managers**
- **Team Member: Garrison Commander**
- **Team Member: JAG**
- **Team Member: DPW**

The process for ensuring progress towards these goals is outlined in the Fort Carson Sustainability Framework, which incorporates

- ✓ **EMS ISO 14001**
- ✓ **Fort Carson Process Improvement Model**
- ✓ **Military Decision Making Model**
- ✓ **Other important elements such as Public Outreach and Education**

Senior leaders will review progress in conjunction with stakeholders using review and analysis process developed in the Fort Carson SMS Framework.

Signed:

Garrison Commander
6 Sep 2002

Commanding General
6 Sep 2002