



**Directorate of Public Works
Environmental Division
USAG Fort Buchanan**



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Fort Buchanan's Environmental Policy* Summary

*The US Army Garrison Fort Buchanan is **committed to protect its natural, cultural and human resources**, promoting pollution prevention thru the continual improvement of environmental management technologies, **implementing energy and water efficient controls** and complying with all applicable laws, regulations, and Presidential Executive Orders.*

- **Fort Buchanan's Policy Memorandum 23
(Latest version signed 29 NOV 2012)**

ARMY STRATEGY FOR THE ENVIRONMENT

...designed to strengthen the Army today and into the future.

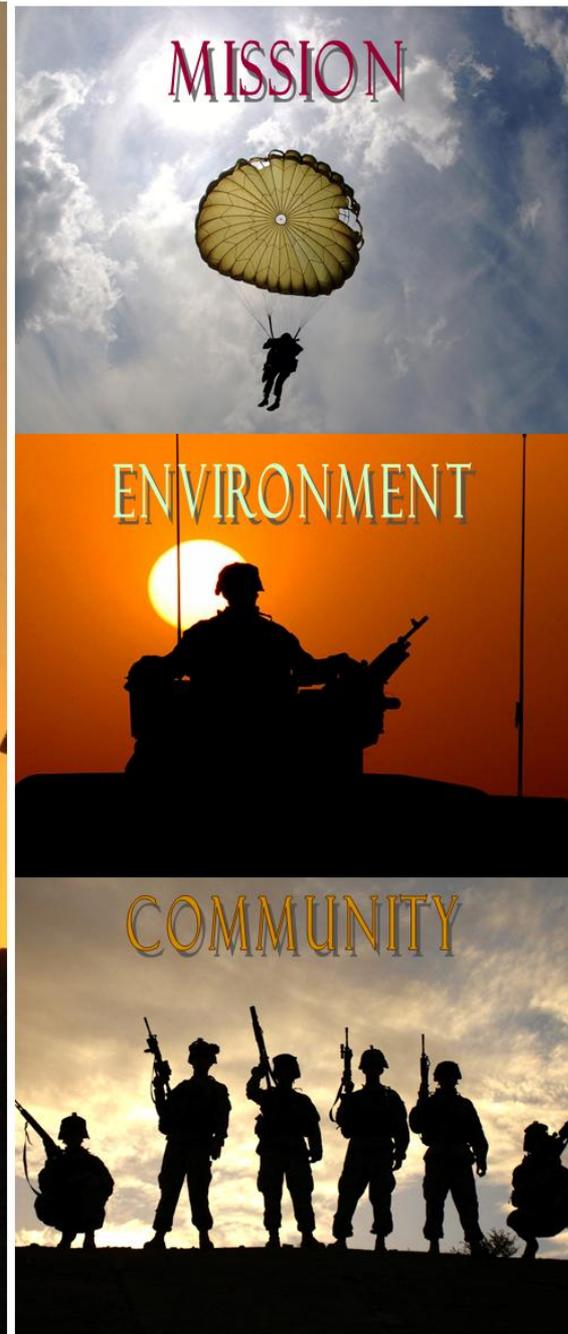
SUSTAINABILITY;
IS THE INTELLIGENT USE OF OUR
RESOURCES (NATURAL AND
TECHNOLOGICAL) TO MEET
OUR COMMUNITIES' NEEDS
TODAY AS WELL AS IN THE
FUTURE.

It establishes
the long-range
vision
for a sustainable
Army, and the
goals upon
which the
vision is based.

To sustain our mission, we must strive to become system thinkers if we are to benefit from the interrelationships of "the triple bottom line-plus": Mission, Environment, Community, plus the economic benefits that sustainability provides by reducing costs and impacts, and accelerating innovation.



FORT BUCHANAN ENVIRONMENTAL MANAGEMENT POLICY
DIRECTORATE OF PUBLIC WORKS ENVIRONMENTAL DIVISION

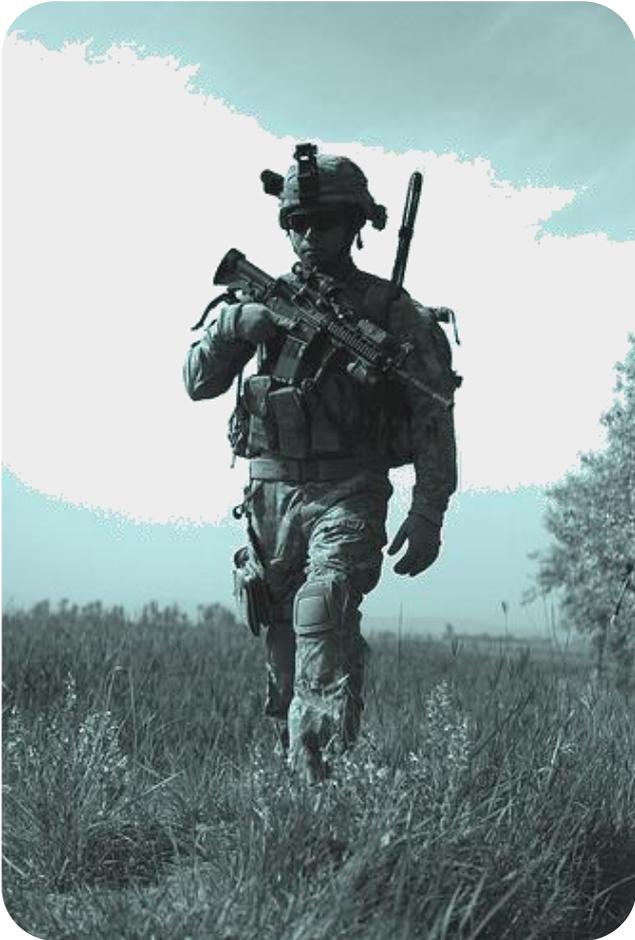




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Fort Buchanan's Sustainability & Environmental Management System (SEMS)



- Fort Buchanan is committed to demonstrating leadership in environmental management
- This installation is committed to **sustain mission readiness** while conducting operations that are safe and environmentally acceptable.



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US Army Garrison Fort Buchanan Headquarter's Reforestation



Environmental Aspects



Environmental Management Action Plans

- Vehicular Consumption of Gasoline and Diesel Fuel
- Solid Waste Management & Recycling
- Energy Consumption
- Water Consumption
- Pesticide & Herbicide Usage
- Hazardous Materials Management
- Hazardous Waste Management
- Endangered Species Habitat
- NEPA reviews/approvals
- Storage, Transfer, and Release of POL (Spills)

1. Fuel Usage Reduction Plan
2. Solid Waste and Recycling Management Plan
3. Energy Conservation Plan
4. Water Conservation Plan
5. Pesticides Reduction Plan
- 6a. Hazardous Materials Action Plan
- 6b. Hazardous Waste Action Plan
- 7a. Endangered Species and Ecological Management Plan
- 7b. Real Property Management, Construction, and Demolition Action Plan.
8. Spill Prevention Program



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Environmental Programs





Environmental Management Plans

1. Environmental Management Policy
2. Pollution Prevention Policy
3. Recycling Policy
4. Endangered Species Policy
5. Hazardous Waste Management Plan
6. Integrated Pest Management Plan
7. Solid Waste Management Plan
8. Wetland Survey
9. Endangered Species Management Plan
10. Integrated Cultural Resources Management Plan
11. Air Emission Inventory
12. Spill Prevention Control and Countermeasures Plan
13. Pollution Prevention Plan
14. Stormwater Pollution Prevention Plan
15. Environmental Training Plan
16. Integrated Natural Resources Management Plan
17. Energy and Water Management Plan
18. Environmental Management Action Plans



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Environmental Conservation Program

Endangered Species Protection



Puerto Rican Boa



Palo de Rosa



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Our Project

- Reforestation is an important action for maintaining and creating a sustainable environment.
- Use of native plants is a priority.
- Our plans highlight the importance of enhancing terrestrial habitats through landscaping with native plants.



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Scope

- This initiative will include the enhancement of green areas that are currently plain in appearance.
- Implementation of priority management actions;
 - reforestation,
 - soil management
 - environmental awareness



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Reforestation Drive Force



BOY SCOUTS OF AMERICA®



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Plant Native Species



Allamanda cathartica (Golden Trumpet)

Chrysobalanus Icaco (Icaco)





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Plant Native Species



Cocoloba uvifera (Sea Grape)

Eugenia ligustrina ("Palo de Muleta")





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Plant Native Species



Chrysopogon zizanioides (Pacholi o Vetivera)

EnchantingKerala.org © Annu S Kiana



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Planting Technique

- Digging will be done by hand. A one foot deep by one foot wide hole will be dug for each plant.
- Plants will be removed from pots by tapping lightly on each side, then turning it over and pulling gently on the main stem while pulling away from the pot.
- Once removed from the pot, the root ball will be placed within the hole so that the top is level with existing soil. The root ball should not be under existing soil level as this may cause unnecessary stress to plant.



Planting Technique

- Once properly placed the remainder of hole will be backfilled with loose soil.
- Then once all the plants are properly transplanted they will be watered so as to remove air pockets.
- Since only shrubs and grasses are being planted support stakes will not be required.



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Fort Buchanan Directorate of Public Works Environmental Division



Be Safe and have Fun!