



WSTF Sustainability Initiative Team (WSIT)

Promoting Environmental Sustainability





What is Sustainability?

A state of dynamic equilibrium, achieved by taking responsibility for balancing long term economic, environmental, and social health – for ourselves, our communities, and our world.

*Working toward sustainability means respecting the connection between natural and human communities...and **treating our world as if we intend to stay.***

- <http://www.popsustainability.org>





Under the Umbrella of

Environmental Sustainability

Affirmative "BUY GREEN" Procurement

Alternative and Renewable Energy Sources

Energy Management

RECYCLING

Solid Waste Diversion

Resource Conservation

Pollution Prevention (P2)

Cultural Resources Preservation

Community and Environmental Stewardship





WSTF Sustainability Initiative Team (WSIT)

Mission Statement:

*To lead WSTF toward a culture of environmental sustainability by gathering and disseminating information, raising awareness and encouraging employee involvement, and challenging the WSTF community to choose “**GREEN**” options whenever possible.*

Exploring opportunities for continuous improvement to reduce WSTF’s environmental impacts and exceed customer expectations.





WSTF Programs Supporting Sustainability Goals

- ☐ Affirmative Procurement
- ☐ Energy Management Panel
- ☐ WSTF Sustainability Initiative Team
- ☐ Recycling and Pollution Prevention
- ☐ Community/Environmental Stewardship
- ☐ Employee Involvement





E.O. 13423: *Strengthening Federal Environmental, Energy, and Transportation Management* (January 24, 2007)

Requires Federal agencies to lead by example in advancing the nation's energy security and environmental performance by achieving the following goals...

- ◎ ***Vehicles:*** Increase purchase of alternative fuel, hybrid/plug-in hybrid vehicles
- ◎ ***Petroleum conservation:*** Reduce consumption by 2% annually through 2015.
- ◎ ***Alternative Fuel Use:*** Increase alternative fuel consumption at least 10% annually.
- ◎ ***Greenhouse Gases:*** Reduce energy intensity by 3% annually or 30% by 2015 to reduce greenhouse gas emissions.





E.O. 13423 Goals, continued...

- ① **Renewable Power:** At least 50% of current renewable energy purchases must come from new renewable sources.
- ① **Water Conservation:** Reduce water consumption intensity by 2% annually through 2015.
- ① **Building Performance:** Use sustainable strategies in building construction and renovation.
- ① **Procurement:** Choose environmentally-sound goods and services, including biobased products.
- ① **Pollution prevention:** Reduce use/replace toxic chemicals and materials; reduce waste; recycle.
- ① **Electronics Management:** Annually, 95% of electronic products purchased must meet Electronic Product Environmental Assessment Tool standards <http://www.epeat.net/> where applicable; Enable Energy Star features on 100% of computers/monitors; and reuse, donate, sell, or recycle 100% of electronic products using environmentally sound management practices. Extend useful life of equipment.





Affirmative Procurement “Buying Green”

The purchase and use of products or services that have a lesser or reduced adverse effect on human health and the environment compared to competing products or services

Guidance:

- ☞ E.O. 13423 - Strengthening Federal Environmental, Energy, and Transportation Management
- ☞ CPG - Comprehensive Procurement Guideline
- ☞ FAR - Federal Acquisition Regulation
- ☞ NPR 8530.1A - Affirmative Procurement Program and Plan for Environmental Preferable Products
- ☞ EPACT 2005 - (Section 104) Procurement of Energy Efficient Products





What can YOU do to support Affirmative Procurement?

- 👍 Think “Outside the BOX” when planning new projects!
- 👍 Contact WSIT with any NEW opportunities to purchase “GREEN” and EFFICIENT products.
- 👍 Keep your warehouse orders green!
- 👍 Look for ways to reduce your use!
- 👍 Include sustainability elements in your SOWs.

If you're not buying recycled, you're not recycling!! Close the LOOP!





Environmental Impacts to Consider in Procurement of Products or Services

- ❖ Energy and water efficiency
- ❖ Recycled content
- ❖ Resource conservation
- ❖ Renewable materials
- ❖ Potential for reuse
- ❖ Packaging
- ❖ Impacts on air, water, and soil
- ❖ Effects on workers, animals, and plants
- ❖ Transportation
- ❖ Distribution
- ❖ Production
- ❖ Manufacturing
- ❖ Maintenance
- ❖ Operation
- ❖ Hazardous material content
- ❖ Disposal
- ❖ Toxicity





E.O. 13423 Directs Federal Agencies to Implement Sustainable Practices for:

- ✓ Recycled content products designated in EPA's Comprehensive Procurement Guidelines (CPG)
<http://www.epa.gov/epawaste/consERVE/tools/cpg/index.htm>
- ✓ Energy Star® products identified by DOE and EPA, as well as FEMP-designated energy-efficient products
<http://www.energystar.gov/index.cfm?c=home.index>
- ✓ Water-efficient products, including those meeting EPA's WaterSense standards
<http://www.epa.gov/watersense/>
- ✓ Products with low or no toxic or hazardous constituents
- ✓ Energy from renewable sources.





E.O. 13423 Directs Federal Agencies to Implement Sustainable Practices for:

- ✓ Biobased products designated by the U.S. Department of Agriculture in the BioPreferred program
<http://www.biopREFERRED.gov/>
- ✓ Environmentally preferable products and services, including EPEAT-registered electronic products
<http://www.epa.gov/epp/pubs/products/epeat.htm>
- ✓ Alternative fuel vehicles and alternative fuels required by EPAct
<http://www1.eere.energy.gov/vehiclesandfuels/epact/state/index.html>
- ✓ Non-ozone depleting substances, as identified in EPA's Significant New Alternatives Program
<http://www.epa.gov/ozone/snap/>





WSTF Recycles!

- ✓ White Paper
- ✓ Cardboard
- ✓ Packaging Materials
- ✓ Batteries
- ✓ Spent Aerosol Cans
- ✓ Asphalt
- ✓ Cement/Concrete
- ✓ Steel/Scrap Metal
- ✓ Toner Cartridges
- ✓ Metal Drums
- ✓ Lead/Brass Bullets
- ✓ Wood Pallets and Lumber
- ✓ Non-hazardous Used Oil
- ✓ Copper and Aluminum
- ✓ E-Waste
- ✓ Coarsely Shredded Paper
- ✓ Fluorescent Bulbs
- ✓ Diesel
- ✓ Tires
- ✓ Antifreeze
- ✓ Yard Waste
- ✓ Plastic Bottles (>2700 lbs; that's ~ 54,000 bottles)
- ✓ Shiny Paper
- ✓ Eye Glasses
- ✓ Techno-Trash
- ✓ Hardhats
- ✓ Hypervelocity HDPE Pistons
- ✓ Mixed Colored Paper
- ✓ Cell Phones





Examples of WSTF Community and Environmental Stewardship

- 👍 Participating in Las Cruces Recycling Focus Group
- 👍 Donated computers and laboratory equipment to schools
- 👍 Recycling Partnership with NMSU
- 👍 Reseeding WSI; reduction of blading impacts; investigating ways to clean up desert environment (crushing concrete; chipping yard waste).





WSTF Examples of P2, Waste Reduction, and Resource Conservation

- 👍 Funded HFE 7100 recycling project.
- 👍 Eliminated Ozone depleting chemicals
- 👍 Replacing toxic and hazardous chemicals with “green” cleaners and solvents.
- 👍 Recovery and re-use of Peacekeeper materials.
- 👍 Environmental Department Electronic Reporting (saved >1.8 million pages since 2000)
- 👍 Installed low-flow sampling systems in **60** groundwater monitoring wells.





What can YOU do to Reduce, Re-use, and Recycle?

- ✓ If you aren't sure if, how, where, an item should be recycled, call:
 - *Harold Harrison (x 5461)*
- ✓ Use BOTH sides of the paper for drafts and Review documents electronically
- ✓ Burn calories to recycle (walk to the recycling bin)!
- ✓ Notify WSIT of new opportunities to lessen our environmental impact!
 - Call: - Mary Canavan (x 5353)
 - Amanda Skarsgard (x 5460)
 - Stephanie Orr (x 5267)
 - Cindy Edgar (x 5182)





WSTF Sustainability Initiative Team (WSIT)

Projects for FY 2008:

- Celebrated **America Recycles Day** (11/15), WSIT Team Members Canvassed Site Employees, Answered Questions, and Addressed Concerns.
- Celebrated **Earth Day** (4/22/08) Sponsored the NMSU Institute for Energy and the Environment Speaker/Presentation and Baked Cookies in a Solar Oven





WSTF Sustainability Initiative Team (WSIT)

Projects for FY 2009:

- Celebrated **America Recycles Day** (11/15).
- Celebrated **Earth Day** (4/22/09)
- Green the Cafeteria: restore dishwasher/ minimize styrofoam use.
- Green Procurement: Review warehouse items and recommend green alternatives.
- Restore segment of Gardner Springs Arroyo.
- Continue recycling programs and identify new recycling opportunities.





What can YOU do to support Environmental Sustainability at WSTF?

- ▶ Review your procedures
 - Look for new recycling opportunities
 - Require subcontractors to recycle
 - Reduce resource use
 - Check the Boneyard before you buy new materials!
- ▶ Ask for WSIT support!
- ▶ Participate in the WSIT Green Team.
- ▶ Keep WSIT informed (we document sustainable actions for HQ reporting)





Spreading the Word by WSTF-All E-Mails

Celebrate Earth Day Wednesday!

Take a break and watch a movie! You have two opportunities...

- **What:** The Movie "Trashed"
- **Where:** 200 Area Main Conference Room (B201. Rm. 107)
- **When:** 11:00 a.m. and 2:00 p.m.

Popcorn will be provided!

AND, for those attending the movie (either showing), we are giving away piñon seedlings! First come, first served!





Spreading the Word by WSTF-All E-Mails

Celebrate Earth Day Wednesday!

Are you overwhelmed with BOOKS? Do you need something new to read?
Reduce your footprint, save \$\$, save trees...

- **What:** Exchange or donate a book or books! Bring your used books to work and drop them off at the following locations.
- **Where:**
 - 100 Area – Dolores Puentes, Gail Bennett, and Terry Torrison
 - 200 Area – Denise Barrett, Sonja Wood
 - 300 Area – Michelle Graves
 - 400 Area – Kim Craig
- **When:** Between April 14 and 21st

Then: On April 22nd (10 a.m. - 3 p.m.) come to the WSIT booth (Entryway in B101) and shop for replacement book(s). BYOB (bring your own bag)!

Note: All leftover books will be donated.





Spreading the Word by Porcelain Press in the Restrooms

Porcelain Press

The Porcelain Press is Government Property
—It is the responsibility of all WSTF personnel to report the loss, damage, or destruction of Government property.

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Government Vehicles

Q. Can I smoke in a government vehicle or use my cell phone?
A. No, according to WSI 24-SW-0009. C, "Dispatch and Control of Government Vehicles."

Health

Work out in the sun? Sunscreen is available in the Warehouse for your employees. Stock No. 4240-00-SAF-9970.

Swine Flu? Symptoms are similar to influenza: sore throat and fever, however; it is the complications (pneumonia) of any flu that can be detrimental to the health. Wash hands often, stay home if you are ill, and consult with a physician, who will determine if you have Swine Flu.

300 Area Walking Trail

300 Area Walking Trail is now open! Get your health clearance through the Clinic and start walking today! WSTF [Form 532](#) and WSTF [Form 606](#) are required. Contact Terry Torrison x7538

Electronics Recycling Opportunity

Recycle **NON-ODIN / NON-NASA CONTROLLED PROPERTY** (i.e. NOT TAGGED) electronic equipment (not working or no longer in use). UNICOR will take "anything with a plug"! Fill out [WSTF Form 408](#) for recycling and transport the equipment to the 150 yard. For clarification regarding NASA CONTROLLED PROPERTY, see [WSI-15-SW-0018: "Excessing Government Property."](#)
******* NO HAZARDOUS MATERIALS ACCEPTED *****
Contact Richard Franco (x 5627) if you have questions.

Members of the Keystone Committee: Marc Dunford, Chair; Eva Cuevas, Co chair; Coco Zubia, Secretary Tommy Black, Patty Villegas, Norma Guillermo, Sonya Randall, Juan Tiscareno, Gerardo Mendoza, Andy Embury, Carlos Martinez, Lou Rosales, Cheerie Patneaude, Walter Fabien, Rob Ognan, Molly Candelaria





What's Going on at WSTF?

WSIT - Buy Green: What does it Mean? Executive Order EO 13423 - Strengthening Federal Environmental, Energy, and Transportation Management requires NASA, as a federal agency, to give preference in their procurement and acquisition programs to the purchase of:

- Recycled content products designated in EPA's Comprehensive Procurement Guidelines (CPG)
<http://www.epa.gov/epawaste/conserve/tools/cpg/index.htm>. CPG Categories include: [Construction Products](#), [Landscaping Products](#), [Nonpaper Office Products](#), [Paper and Paper Products](#), [Park and Recreation Products](#), [Transportation Products](#), [Vehicular Products](#), [Miscellaneous Products](#)
- Energy Star® products identified by DOE and EPA, as well as FEMP-designated energy-efficient products
<http://www.energystar.gov/index.cfm?c=home.index>
- Water-efficient products, including those meeting EPA's WaterSense standards <http://www.epa.gov/watersense/>
- Energy from renewable sources.
- Biobased products designated by the U.S. Department of Agriculture in the BioPreferred program
<http://www.biopREFERRED.gov/>
- Environmentally preferable products and services, including EPEAT-registered electronic products
<http://www.epa.gov/epp/pubs/products/epeat.htm>
- Alternative fuel vehicles and alternative fuels required by EPA
<http://www1.eere.energy.gov/vehiclesandfuels/epact/state/index.html>
- Products with low or no toxic or hazardous constituents
- Non-ozone depleting substances, as identified in EPA's Significant New Alternatives Program
<http://www.epa.gov/ozone/snap/>

Questions? Contact WSIT (5353 or 5461)





WSIT in Action



Shipping 24,000 lbs E-Waste





WSIT in Action

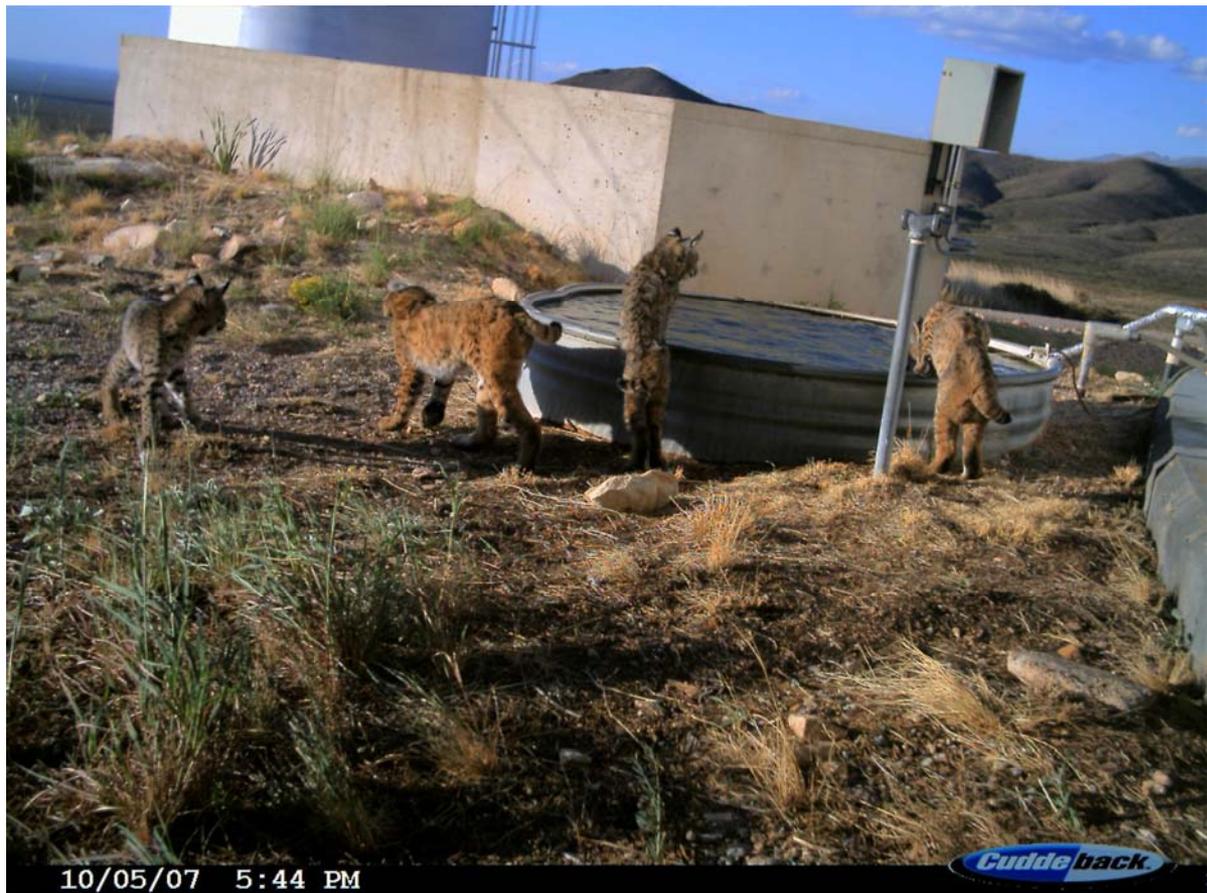


Collecting Techno-Trash for America's Recycles Day





WSIT Website



Critter Cam Bobcats Web Link



