

DRAFT
U.S. Department of Energy
Quarterly Teleconference on Implementing
Environmentally Preferable Purchasing Requirements
January 27, 2005 11 a.m. - 12:30 p.m. (EDT)

TOPICS

- Preferred procurement partnership and products
- 7 newly designated recycled content products

PARTICIPANTS:

DOE HEADQUARTERS PREFERRED PROCUREMENT PROGRAMS: Don Lentzen, Richard Langston, Mark Decot, Shab Fardanesh, Joan Glickman, Kevin Groppe

DOE-HQ Other: Mara Grissom

OTHER FEDERAL AGENCIES:

U.S. Environmental Protection Agency: Sue Nogas

CIVILIAN RADIOACTIVE WASTE MANAGEMENT

Yucca Mountain Project: Delane Fitzpatrick-Maul, Ronni Kammler

ENERGY EFFICIENCY AND RENEWABLE ENERGY

National Renewable Energy Laboratory: Susan Huffnagle

ENVIRONMENTAL MANAGEMENT

Richland Operations Office: Tom Ferns

Hanford Site: Joe Coenenberg, Ed Foss

Rocky Flats Operations Office: Doug Schlagel

FOSSIL ENERGY

National Energy Technology Laboratory: Bruce Webster, Erika Ingle

Strategic Petroleum Reserves: Christina Bigelow

NUCLEAR ENERGY, SCIENCE AND TECHNOLOGY

Idaho National Engineering and Environmental Laboratory: Darrell Brown, Anne Dustin

SCIENCE

Argonne National Laboratory - East: Joshi Kaushik, Gregg Kulma

Fermi National Accelerator Laboratory: Bob Johnson

Oak Ridge Institute for Science and Education: Ernest Whitaker

Pacific Northwest National Laboratory: Sandra Cannon, Wayne Larson

Princeton Plasma Physics Laboratory: Tom McGeachen

Stanford Linear Accelerator Center: Pamela Wright-Brunache

Thomas Jefferson National Accelerator Facility: Dennis Dobbins

NATIONAL NUCLEAR SECURITY ADMINISTRATION HEADQUARTERS

Kansas City Plant: Carolyn Lucas

Lawrence Livermore National Laboratory: Bruce Campbell

Los Alamos National Laboratory: Alisha Pope[?]

Naval Reactors

Idaho: Toni Denapoli, Ron Sand, Greg Sawl,

Nevada Test Site: Al Karns

Pantex: Bill Allen, Boyd Deaver, Julie Marlar

Sandia National Laboratory: Morgan Gerald

Y-12 National Security Complex: Y-12 Facility: Jan Gilbert, Aprell Patterson

OTHER

Other: Ann Magdalane

MINUTES

Welcome and Introduction of DOE Preferred Procurement Partnership Team: - Don Lentzen (DOE-HQ Environmentally Preferable Purchasing Program Lead)

- Because the responsibility for purchasing designated environmentally preferable products is spread among multiple offices, DOE initiated an informal Preferred Procurement Partnership to leverage our common efforts and give DOE sites consistent sources of information, such as these quarterly teleconferences, our EPP reporting website, building in all EPP requirements into strategic plans, etc.
- Those making up the Preferred Procurement Partnership team at DOE-HQ are:
 - Richard Langston - Procurement
 - Mark Decot – Biobased Products
 - Joan Glickman (taking over for Alison Thomas) – Energy/Water Efficient Products
 - Richard Karney - EnergyStar
 - Shab Fardanesh – Alternative Fuels and Vehicles
 - Don Lentzen – Recycled Products and Environmentally Preferable Products in general
- Today we will discuss the drivers behind the respective preferred products (why DOE needs to prefer them), the progress made in FY2004, the goals we aim for in FY2005, and then hear from you, the DOE sites, on what you have found so far on the 7 newly designated products to contain recycled content.

Biobased Products: Relationship to DOE Mission and Other Preferred Products, FY04 Results and FY05 Goals – Mark Decot (DOE-HQ Buy Bio Project Lead)

Link: <http://www.biobased.oce.usda.gov/public/index.cfm>

- A group of dedicated professionals within the U.S. Department of Energy (DOE) initiated an informal Preferred Procurement Partnership to stimulate green purchasing as well as

comply with multiple acts of Congress, executive orders, and Federal regulations that direct green purchasing by Federal agencies.

- Examples of the Preferred Procurement Partnership at work are
 - Don Lentzen (EH) and me (EERE) teaming with Richard Langston (ME) on a memorandum from ME to all Procurement Directors on the importance of environmentally preferable purchasing and biobased product purchasing in particular
 - EH incorporating data gathering on biobased purchases into the recycled product/environmentally preferable purchasing website
 - EH incorporating the EERE's Buy Bio Award into the Pollution Prevention Award program
- The Preferred Procurement Partnership team nominated DOE-HQ for a White House Closing the Circle award for their teaming activities.
- In FY2004, the Office of the Biomass Program established the DOE Buy Bio Project and thereby continues to demonstrate DOE's commitment as a Federal leader in voluntary procurement of biobased products.
- It is important for all facilities to be engaged in the purchase of biobased products. They reduce our reliance on imported petroleum. The National Bioenergy Center Labs have a team of staff from facilities, research, and the Pollution Prevention Program to focus on piloting biobased products. Biobased product manufacturers are having products reviewed by National Institute of Standards and Technology for designation by USDA.

Question (Bob Johnson) – Not all vendors have cleaning products in containers of desired sizes. Has anyone been successful in getting cleaning products from vendors in containers of the right sizes?

Answer (Sandra Cannon) – Product quantities and sizes should be built into the RFP. Dispensers are also a good way to deal with cleaning products delivered in large containers.

Question (Joshi Kaushik) - But are biobased products so economical?

Answer (Sandra Cannon) – *The economics are the same as with non-environmental products. The cost difference comes from whether they are purchased in bulk or small containers—the latter almost always being more expensive.*

Recycled Products: Relationship to DOE Mission and Other Preferred Products, FY04 Results and FY05 Goals – Don Lentzen (DOE-HQ Environmentally Preferable Purchasing Program Lead)

Link: <http://www.eh.doe.gov/p2/ap/default.htm>

- \$40 million dollars of recycled products were purchased by DOE in 2004.
- DOE is approaching 93% for recycled goods including the justified exceptions.
- Please review justifications for not using recycled products.
- Please share accounting activities and provide suggestions for the best accounting practices.
- The numbers presented on the website are not finalized at this time
- The final report will be placed online.

- If any of the sites have insight into how we can make the data collecting and reporting process more efficient, please contact me.

Question (Tom McGeachen) – Is there a better way to internally capture recycle data?

Answer (Sandra Cannon) – The wide variety of types of products we report on makes data capture difficult. It appears the most economical route is to build preferred procurement reporting into vendor requirements. However, vendors are not able to show justified exceptions. Vendor data is useful, but we need info on the justified exceptions to reach 100% goal.

Question (Dennis Dobbins) – Do vendors go through a QA/QC process for recycled data?

Answer (Sandra Cannon) – Preferred products must meet the same DOE requirements, ASTM standards, etc. as non-preferred products.

Info (Christine Bigelow) – At Strategic Petroleum Reserve, we built the purchasing requirement into the procurement module, which denotes whether the vendor can meet the specifications. Procurement inputs the information in the module.

Preferred Procurement: Relationship of Preferred Products to Other Purchasing Requirements (HUBs, etc.) - Richard Langston (DOE-HQ Procurement)

<http://www.biobased.oce.usda.gov/public/index.cfm>

- FAR case 2004-32 regarding biobased products should be completed within one year.
- The USDA is expected to provide a list of biobased products within the same time frame, which would dovetail with the FAR case.

Alternative Fuel/Vehicle Products: : Relationship to DOE Mission and Other Preferred Products, FY04 Results and FY05 Goals – Shab Fardanesh (DOE-HQ Alternative Fuel/Vehicle Lead)

(shabnam.fardanesh@hq.doe.gov)

Link: <http://www.eere.energy.gov/vehiclesandfuels/epact/federal/>

- Policy drivers for alternative fuels/ vehicles include the Energy Policy Act of 1992 and EO 13149.
- There are 3 types of alternative fuel vehicles:
 - Natural Gas
 - Flex Fuel (ethanol)
 - Biodiesel
- DOE is required to report progress with alternative fuels
 - AFE acquisitions – DOE met 105% of goal for 2004
 - Mile per gallon increase – DOE had 2.1 mpg increase in 2004
 - Increase usage of alternative fuels (goal of 75% usage) – DOE currently uses AFE's 21% of the time.
 - Reduction goal of petroleum products (as fuels) by 20% - Reduction of only 1.8% from 1999 baseline for 2004.
- In comparison to other agencies, DOE is middle of the pack.
- Make sure to not only buy alternative fuel vehicles, but also use the alternative fuels. DOE has met the goal of AFE acquisitions but not that of usage. The vehicles are available but are just not being used.

Question (Alisha Pope) – How do hybrids count against the goals?

Answer (Shab Fardanesh) – They are not considered an AFE since they use regular gasoline.

Question (Bruce Campbell) – Are all 4 goals applicable at all sites?

Answer (Shab Fardanesh) – Yes, ethanol stations are being put in at Livermore as part of a pilot program. Ethanol vehicles are available through GSA and are the same price as “regular” cars.

Question (Ed Foss) – Who reports actual fuel usage?

Answer (Shab Fardanesh) – Fleet managers are responsible for fuel reporting. An online system is available for reporting data. GSA also provides data to headquarters for verification.

Question (Bruce Campbell) – Are all cars able to use ethanol?

Answer (Shab Fardanesh) – No. computer chips are needed to accommodate the high octane of ethanol.

Question (Bruce Campbell) – Can you have hybrids use ethanol?

Answer (Shab Fardanesh) – We have requested such vehicles from manufacturers but they are not available.

Question – Why are we not using ethanol and meeting our goal?

Answer (Shab Fardanesh) – There is no reason why we should not be meeting the goal. Price is not a hindrance.

Energy/Water Efficient Products: Relationship to DOE Mission and Other Preferred Products, FY04 Results and FY05 Goals – Joan Glickman (DOE-HQ Energy/Water Efficient Products Lead)

Link: <http://www.eere.energy.gov/femp/technologies/eeproducts.cfm>

- Federal buyers are directed by FAR Part 23 and Executive Orders 13123 and 13221 to purchase products that are [ENERGY STAR](#)® labeled or products that are designated to be in the upper 25% of energy efficiency in their class as well as products with low standby power. FEMP's Buying Energy Efficient Products program helps Federal purchasers identify these types of highly efficient products.
- Try to use bulk purchasing to achieve energy efficiency
- Products with low standby power are listed at the following link: http://www.eere.energy.gov/femp/technologies/eeep_standby_power.cfm

Comment (Tom McGeachen) – Low flow water faucets retrofitting has been difficult. There should be two categories of faucets, one for high-use facilities, and one for low use facilities.

Question (Tom McGeachen) – Have waterless urinals been installed successfully at any site?

Answer (Bruce Campbell) – Yes, we retrofitted five buildings with them at Livermore.

Environmentally Preferable Purchasing: FY04 Results and FY05 Goals and Obstacles – DOE Sites

- Sandra Cannon asked for feedback from all the sites regarding the implementation of the 7 newly designated recycled products.
- Christina Bigelow (Strategic Petroleum Reserve) said at Strategic Petroleum Reserve they built the purchasing requirement into the procurement module, which denotes whether the product is an affirmative procurement product and whether or not (as purchased) it meets the specifications set forth in the CPGs. Once the information is received by the vendor or upon receipt of the purchase, procurement inputs the information in the module. SPR will be affected by all 7 of the new products. The main obstacle to blasting grit involves OSHA-related concerns over increased dust generation. Also, the SPR M&O contractor has procurement provisions against rebuilt vehicular parts—both issues they are addressing.

Next teleconference

- Date – April 28, 2005
- Potential topics for the next teleconference. Please share your ideas. Some suggested so far are
 - Walk through latest version of BEES - environmentally preferable evaluation tool for construction products
 - Life cycle comparisons of products with seeming conflicting environmental qualities, such as recycled and zero VOC paint, solid plastic recycled and chipboard clipboards

Adjourn

MAGNIFICENT SEVEN: NEWLY DESIGNATED RECYCLED PRODUCTS

Begin Purchasing and Collecting Purchasing Data by May 1, 2005

- Blasting Grit
- Furniture - Office
- Pipe – Non-Pressure
- Racks - Bicycle
- Ramps – Modular Threshold
- Roofing Materials
- Vehicle Parts - Rebuilt

SOURCES OF INFORMATION

DOE's "Environmentally Preferable Products Program" website for access to the reporting site, annual report, teleconference agenda and minutes, and sources of helpful information

U.S. Department of Energy's RCRA 6002/Executive Order 13101 home page

<http://www.eh.doe.gov/p2/ap/default.htm>

Environmentally Preferable Purchasing Executive Orders, Regulations, Guidelines

Office of the Federal Environmental Executive

<http://ofee.gov/gp/gp.htm>

What Is Green Purchasing, Anyway?

Office of Personnel Management

www.golearn.gov (Free Catalog Section, then Legislatively Mandated...Topics)

GENERAL PRODUCT INFORMATION

Environmentally Preferable Products

U.S. Environmental Protection Agency

<http://www.epa.gov/oppt/epp/database.htm>

Alternative Fuels/Vehicles

U.S. Department of Energy

<http://www.eere.energy.gov/vehiclesandfuels/epact/federal/>

Biobased Products

U.S. Department of Agriculture

<http://www.biobased.oce.usda.gov/public/index.cfm>

Energy/Water Efficient Products

Federal Energy Management Program

<http://www.eere.energy.gov/femp/technologies/eeproducts.cfm>

Recycled Products and Suppliers

U.S. Environmental Protection Agency Comprehensive Procurement Guidelines

<http://www.epa.gov/epaoswer/non-hw/procure/index.htm>

Materials Exchange Products

(especially chemicals, equipment, and hazardous materials) at other DOE facilities

Log on with user name (erhquser) and password (erhqdoe)

DOE Complex Wide Materials Exchange

<http://wastenot.er.doe.gov/DOEmatex/index.html>

Substitutes for Ozone-Depleting Products

U.S. Environmental Protection Agency

<http://www.epa.gov/ozone/snap/lists/index.html>

SPECIFIC PRODUCT CATEGORIES

Carpet

Contract Language and Standards/Guidelines

U.S. Environmental Protection Agency

Select “carpet” at <http://yosemite.epa.gov/oppt/eppstand2.nsf/Pages/Search.html?Open>

Recycled Content Specifications and Suppliers

U.S. Environmental Protection Agency

<http://www.epa.gov/epaoswer/non-hw/procure/products/carpet.htm>

Suppliers

Green Seal “Choose Green Report: Carpet”

http://www.greenseal.org/cgrs/Carpet_CGR.pdf

Cement/Concrete

Recycled Content Specifications and Suppliers

U.S. Environmental Protection Agency

<http://www.epa.gov/epaoswer/non-hw/procure/products/cement.htm>

Cleaning Products

Contract Language and Standards/Guidelines

U.S. Environmental Protection Agency

Select “concrete” at

<http://yosemite.epa.gov/oppt/eppstand2.nsf/Pages/Search.html?Open>

Suppliers

Green Seal “Choose Green Report: Industrial and Institutional Cleaners”

http://www.greenseal.org/cgrs/CGR_I&I_cleaners.pdf

Construction Materials and Products

Contract Language

U.S. Department of Energy

<http://www.pnl.gov/doesustainabledesign/> , see “Letters of Intent, Construction Contracts”

Paint

Recycled Content Specifications and Suppliers

U.S. Environmental Protection Agency

<http://www.epa.gov/epaoswer/non-hw/procure/products/paint.htm>

Suppliers

Green Seal “Choose Green Report: Architectural Paints”

http://www.greenseal.org/cgrs/CGR_Paints.pdf

Toner Cartridges

Recycled Content Specifications and Suppliers

U.S. Environmental Protection Agency

<http://www.epa.gov/epaoswer/non-hw/procure/products/toner.htm>