

Minutes of U.S. Department of Energy Quarterly Teleconference on Implementing Green Purchasing Requirements October 28, 2010 - 11 am-12:30 pm (Eastern Time)

TOPICS

- Sustainable Acquisition Communications Among Sites
- Greening the Supply Chain at General Services Administration
- Sustainable Office Furniture Standard
- Biotoner Cartridge Pilots
- Newly Designated Biobased Products
- FY2010 Reporting

NUMBER OF LINES CALLING IN: 96

MINUTES

Welcome - Corey Buffo (DOE-HQ)

Corey Buffo opened the call by noting that it is the last one for the calendar year but first of the new fiscal year. During FY2010, developments have included a new Executive Order to implement, issuance of the first DOE Strategic Sustainability Plan, sites beginning work on their own plans, and GreenGov Awards to Sandia and Idaho national laboratories. Oak Ridge and Argonne national laboratories won FEMP awards. The DOE E-Star Awards are open for applications until October 31.

DOE SITE DISCUSSION: Round table discussion among DOE sites on how to improve information sharing among sites via e-mails, listserve, FedCenter, add an “Ask the Experts” section (see for example DoD’s “Ask a Professor” at <https://akss.dau.mil/askaprof-akss/default.aspx>) on the DOE Sustainable Acquisition website (<http://www.hss.doe.gov/pp/epp/>)

Corey Buffo – Information sharing among sites is important since they all face the same issues and ask similar questions. Ideas are needed to improve information sharing.

Tom McGeachen (Princeton Plasma Physics Lab) – [SharePoint](#) might be useful, in particular for capturing historical information (document sharing). [Tom will be taking a course on SharePoint and will let us know if SharePoint appears useful for sites to share information with one another.]

Dena Polyhronakis (Thomas Jefferson National Accelerator Facility) thinks a website similar to DoD’s “Ask a Professor” would be helpful.

Corey Buffo – Two sites unable to join the teleconference and so sent information ahead of time were

- Josh Gallegos at Sandia National Labs New Mexico provided comments in advance on this topic, suggesting the teleconferences include time for sites to have a

roundtable discussion to share their activities. The information and other stories on the topic could be communicated in a newsletter.

- Kami Lowry at the Pacific Northwest National Laboratory suggested setting up a tool like the Department of Defense's "[Ask a Professor](#)" site.

Corey asked if sites might prefer to share this information in writing rather than verbally during the calls? Those who were familiar with "Ask a Professor" liked its format.

Nadine – A website should be set up with lessons learned and commentary, where people can post or read information at their leisure. Finding additional time to review more emails or participate in more conference calls would be difficult.

Gia – DOE has a Wiki site already on employees' desktops; a targeted page could be placed there.

Allan Harris (Environmental Management Consolidated Business Center) – HS-32's lessons learned group has a wiki website that could be used as a model (<http://operatingexperience.doe-hss.wikispaces.net/>).

Ralph Wrons (Sandia National Labs) – Posting frequently asked questions and their answers would be helpful. The periodic roundtable discussions during the calls would be captured in the minutes for the calls, and the minutes could then be posted on the website.

Corey Buffo will distribute a list of options, collect comments, and begin trying different approaches to sharing information.

UPDATES

New DEAR Sustainable Acquisition Clauses and Acquisition Guide Update –

Richard Langston (DOE-HQ)

Link to Federal Register Acquisition Regulation: Sustainable Acquisition -

<http://www.regulations.gov/search/Regs/home.html#documentDetail?R=0900006480b55551>

Link to DOE Acquisition Guide, Chapter 23 -

<http://management.energy.gov/documents/AttachmentFlash2010-83.pdf>

On September 22, the interim final rule amending the DOE Acquisition Regulation (DEAR) was published to implement Executive Order 13514, "Federal Leadership in Environmental, Energy, and Economic Performance," in terms of the DOE sustainable acquisition program. It also includes a clause implementing Executive Order 13423, "Strengthening Federal Environmental, Energy, and Transportation Management." The new rule replaces the old clauses on affirmative procurement and recycled and biobased products with a new one that also includes all "green" or environmentally preferable considerations. This broader clause applies to all contractors at DOE sites, not just the management and operations (M&O) contractors. There is one variation for

other than M&O contracts, reporting is required only if the contract or subcontract offers subcontracting opportunities for energy efficient and environmentally sustainable products or services exceeding \$100,000 in any contract year. The requirement to give preference to all designated products, though, is required of all contractors no matter the dollar value.

Two Federal Acquisition Regulation clauses are still in the approval process. The DEAR rule will be finalized when the FAR clauses are published, although the interim final rule is effective October 22, 2010. A policy flash is being sent to buying offices instructing them to implement the new DEAR rule.

In addition, a new Chapter 23 of the DOE Acquisition Guide has been published, covering the requirements of Executive Order 13514.

Question: Is the \$100K reporting requirement for all purchases in a year or per product?

Langston: The \$100K reporting requirement is the total of subcontracting opportunities for energy efficient and environmentally sustainable products or services in any contract year whether purchased with the specified attribute or not.

ENERGY STAR Qualified Products – Una Song (ENERGYSTAR, EPA)

Link to http://www.energystar.gov/index.cfm?c=products.pr_find_es_products (select "Business & Government tab)

Enhanced testing and verification requirements have been finalized. Manufacturers have been asked to commit to the new practice of testing products in an EPA-recognized laboratory of their choice and ensuring that the laboratory submits the resulting test reports to an EPA-recognized certification body, also of the manufacturer's choice. EPA is accepting applications for accreditation bodies and certified laboratories.

Updates on ENERGY STAR specifications:

- Tier 2 of the Audio/Video specification became effective July 30, 2010
- Integral LED Lamp specification became effective August 31, 2010
- External Power Supplies, End Use Products, and Digital-to-Analog Converters specifications will no longer be eligible for the ENERGYSTAR label effective December 31, 2010.

FEMP Designated Products – Stephen Walder (FEMP)

Link to <http://www.femp.energy.gov/procurement> and http://www1.eere.energy.gov/femp/technologies/eep_purchasingspecs.html

FEMP is working with Oak Ridge National Lab on piloting an increase in outreach and education activities regarding the purchase of FEMP designated, ENERGYSTAR qualified, and biobased products and then summarizing the data on the purchasing of these products. FEMP is looking at a potential pilot with the Department of Veterans Affairs.

Purchasing specifications have been developed for products such as air- and water-cooled chillers and water heaters, and FEMP is updating the standards for fluorescents.

PRODUCTS AND VENDORS

GSA Recommendations for Vendor and Contractor Emissions (EO 13514

Section 13 Implementation) – Dana Arnold (GSA) (New contact information: 703-605-0534; dana.arnold@gsa.gov)

Link to http://www.fedcenter.gov/kd/Items/actions.cfm?action=Show&item_id=15392&destination=ShowItem

Dana Arnold (703-605-0534, dana.arnold@gsa.gov) has moved from the Office of the Federal Environmental Executive to the General Services Administration (GSA). She arrived with a list of improvements Federal agencies have been asking of GSA over the past 10 years and is beginning to work on them.

Section 13 of Executive Order 13514 charged GSA to study the “greening of the supply chain” in terms of greenhouse gases. GSA has been adding more “green” products and integrating them into service contracts. Now it needs to incorporate greenhouse gas considerations into the acquisition process. Steps for this have been laid out in GSA’s April 2010 report, “Executive Order 13514 Section 13: Recommendations for Vendor and Contractor Emissions.” Starting in early 2011, 60 small businesses will participate in a 3-year pilot program with GSA and the EPA Climate Leaders Program to inventory emissions, set goals, and reduce the emissions. The purpose of the project is to determine the type of assistance small businesses need to do this.

In terms of large businesses, GSA is looking at the top 200 GSA-listed Federal contractors (by contract dollar value) to determine what they have done in terms of inventorying emissions, setting goals, greening their own supply chains, and reporting to the Carbon Disclosure Project. GSA will conduct up to four pilot acquisitions during fiscal year 2011 to integrate greenhouse gases into the acquisition process. GSA will begin by asking questions about the contractors’ current activities with the goal to eventually move these considerations into the procurement evaluation criteria. Working groups involving the Federal community are also looking at this issue from the perspective of Federal purchasers.

GSA is planning to update and expand the Carbon Footprint tool. To access the Carbon Footprint tool, government contractors must

- Obtain DOE sponsorship (can be obtained through Corey Buffo, corey.buffo@hq.doe.gov)

- Have the DOE sponsor forward their agreement by email to carbonfootprint@gsa.gov and request the contractor be registered to use the Carbon Footprint tool

Over the summer, GSA began requiring any new products added to GSA Schedule 36, covering office imaging and document solutions, to be ENERGYSTAR qualified. When contracts under that schedule are renewed, noncompliant products will be moved out of the system. Schedule 73 is next, covering food service, hospitality, and cleaning equipment and supplies, chemicals, and services, starting with refrigeration, so that eventually the GSA schedule will contain only complaint products and more of them.

The GSA fleet program has purchased 5,600 hybrid vehicles for the Federal community, and 200 for itself. GSA is now looking at electric vehicles through a procurement process. Activities related to “greening” travel and meetings and conferences will be completed within the next 6 months and may lead to changing rental agreements so that Federal employees can rent hybrid/alternative fuel vehicles.

Ralph Wrons (SNL-NM) – Consider including duplex printing in the requirements.

Sandra Cannon – The EPEAT Standard for imaging equipment includes ENERGYSTAR duplex printing requirements and will be final within a year.

Dana Arnold – The Federal Strategic Source Initiative is also looking at imaging equipment, such as combined printers and copiers, and the savings that can be realized through operations and maintenance, which would favor duplexing.

Sustainability Standard for Office Furniture – Brad Miller (Business and Institutional Furniture Manufacturers Association - BIFMA) and Bill Stough (Sustainable Research Group) Link to <http://levelcertified.org>

Brad Miller (616-285-3963, bmiller@bifma.org) – BIFMA has been implementing its furniture sustainability standard for 2.5 years. The label, called “level,” represents third-party certification to the BIFMA standard. The standard is also available for any manufacturer to self-declare compliance, but third-party certification and the resulting “level” mark are the litmus test for the veracity of that claim. There are three levels of certification with Level 3 being the highest. The program covers all furniture, including moveable walls, seating, and accessories, in both the office and residential environments.

The “level” standard is modeled after LEED. Manufacturers can earn a total of 90 points for the product. Level 1 (silver) certification begins at 32 points. Level 2 (gold) at 45 points, and Level 3 (platinum) at 63 points.

Bill Stough – The standard has 70 attributes, divided between environmental (about 60 attributes) and social (about 10 attributes) considerations. A manufacturer earns points based on meeting the criteria in different categories (materials, energy and atmosphere, human and ecosystem health, and social responsibility). The program has six prerequisites, divided among the categories, that must be met before points can be earned to ensure the standard represents an achievement rather than simply a mark of what the manufacturer has already done in terms of sustainability.

In the materials category, the manufacturer must have a Design for the Environment program in place as a prerequisite. Then it can earn points for meeting criteria for having climate-neutral materials, completing a life cycle assessment, the efficient use of materials, use of biobased and renewable and recycled content materials, packaging, solid waste management, and water management.

In the energy and atmosphere category, the prerequisite is having an organizational energy policy. Criteria include developing a building energy performance baseline, exceeding ENERGYSTAR requirements, having a LEED facility, assessing cradle-to-gate energy use, energy use for onsite and offsite transportation, and determining the greenhouse gas baseline and reducing it.

In the area of human and ecosystem health, the manufacturer must demonstrate its compliance with laws and regulations affecting toxic and hazardous chemical use in its facility, with no major violation in the past 3 years, by having an environmental policy for chemical management and identifying chemical risks. Credit is earned for having an ISO 14001 environmental management system; a chemical management plan for the facility; considering the effects of the product, the manufacturing process, and maintenance; eliminating chemicals of concern (500 chemicals identified by the industry that should be reduced or eliminated); reducing air emissions, and testing for offgassing.

In the area of social responsibility, the prerequisites are having an employee health and safety management plan and policies for addressing labor and human rights issues in place. Credit is earned by having a policy for social responsibility, conforming to an external health and safety management standard, conducting community outreach, and having a publically available social responsibility report that meets an international guideline like SA 8000.

Corey Buffo – The standard and point scoring scheme will be forwarded to DOE sites. Can the label certification be balanced with DOE's need to use recycled materials?

Bill Stough – The Design for the Environment prerequisite includes that consideration, in that materials are screened for their recycled content. DOE sites can choose a Level 1

certified product and then ask the manufacturer about the recycled content and whether it earned “level” points in that area.

Corey Buffo – DOE sites will not likely approach the manufacturers themselves, so it would be helpful if this type of information is available.

Biotoner Remanufactured Cartridge Pilots – Peter Pohlot (Brookhaven National Lab)
See Attached File (epp-cartridges-BioTonerPilots-BNL-SNL-rev.ppt)

DOE is piloting the use of black biotoner remanufactured cartridges at Sandia and Brookhaven national laboratories as well as at Headquarters. Laser and copier toner uses 146 million gallons of oil each year, and the disposal of the cartridges themselves also needs to be considered as an environmental cost. The aftermarket imaging supplies industry reclaims over 42,000 tons of empty cartridges each year that would have otherwise been sent to landfills, saving approximately 22 million gallons of oil.

The piloted cartridges use a biobased resin developed by Battelle and Mitsubishi that an ISO accredited laboratory found to be 39 percent biobased. The cartridges were remanufactured by West Point Products (Brian Littleton; www.westpointproducts.com) and are HP compatible. They cost 30 percent less than OEM (virgin) cartridges and 20 percent more than nonbiobased remanufactured cartridges.

Beginning in March 2010, Sandia began testing four cartridge models (one cartridge of each model). One has finished, running 2,353 pages of the 2,500 for which it is rated. The 2,500 rating is based on double spaced pages with a full page of type, so approximately 5 percent coverage per page. Therefore, the actual number of pages obtained from a cartridge may be more or less, depending on how many pictures or diagrams and how much shading is used. The other three models are still in use. No issues have been reported with jamming or smearing.

Brookhaven has been testing three cartridges of the same model since August 2010. One cartridge has been used up; it ran to 2,181 pages. The other two are still in use. The spent test cartridge was used by an engineer who printer mostly graphics and tables using more ink that the standard 5 percent coverage per page.

Dave Garcia (Office of River Protection) – Remanufactured cartridges have a reputation for jamming more than new cartridges. Is this true?

Corey Buffo – Sandra Cannon will address this in the frequently asked questions. In short, there are many myths about remanufactured cartridges, and many things have improved since they were first introduced.

Ralph Wrons (SNL) – Sandia has 10 years of experience using remanufactured cartridges, with only one or two complaints per year. About 25 percent of the black and white printers and a few of the color printers use remanufactured cartridges without many problems reported. However, the use of recycled content takes precedence over biobased products; can this be addressed in the pilot?

Sandra Cannon – The cartridge itself counts as both biobased and recycled (remanufactured), although it is at an additional cost so sites must decide on its use individually. It is not yet a designated product. But use of these cartridges can help a site meet its goals for reducing both greenhouse gas emissions and petroleum use.

Question – It is not on the mandated list of toners (JWOD/AbilityOne).

Sandra Cannon – That list shows what JWOD offers. JWOD does not offer all of the designated products. It is mandated that Federal purchasers give preference to JWOD but may purchase elsewhere if the product they need is not available.

Ron Buckhalt (USDA) – Round 8 of proposed biobased products will include these kinds of cartridges, so eventually they will be a required product.

Biobased Products – Ron Buckhalt (USDA)

Round 6 was published as final on October 20, 2010, and includes eight products, such as disposable tableware, polystyrene foam, heat transfer fluids, and lubricants. Round 7 will be proposed in early November. Currently, the program includes 50 categories of products and 4,000 individual products.

USDA is in the final stages of preparing a voluntary labeling program. The submission to the Office of Management and Budget was made in September 2010, so the rule will be out by the end of December 2010.

Sandra Cannon – These rounds have been published in the *Federal Register*, and sites now have a year to find the products, test them, and begin purchasing them. One round was effective as of October 2010, so DOE is now required to prefer these products and report them (see below). Sites that are having difficulty finding these products should look in the USDA catalog and contact Sandra Cannon. Site successes in using these products is the type of information we hope to cross share among sites.

9 Biobased Products Requiring Preference and Reporting Beginning October 2010

CLEANERS/SOLVENTS

- Food cleaners – 53%
- General purpose household cleaners – 39%
- Industrial cleaners – 41%
- Multipurpose cleaners – 56%
- Parts wash solutions – 65%

LUBRICANTS

- Chain & cable lubricants – 77%
- Corrosion preventatives – 53%
- Forming lubricants – 68%
- *Gear lubricants – 58%

* May overlap with recycled content requirements. Recycled content requirements have precedence.

REPORTING

FY2010 Reporting Discussion – Corey Buffo

Use the Environmentally Preferable Purchasing Reporting System to meet reporting requirements. Fill in the spreadsheet with information for your site, beginning with the total purchased and the percent “green” and then filling in information for each category.

Not all categories are yet required, so fill in what you can. Make notes about what you are planning to do, noting the strategies in the Strategic Sustainability Plan for meeting the goals for sustainable acquisition.

Also fill in the recycled content section, leaving items blank that have asterisks (*). Additional guidance will come to Science sites to clarify requirements, but those sites can still fill in the report before that time.

Eric Mieland (Fermi) – Can the recycled content portion be combined with the rest of the report?

Corey Buffo – Yes, next year there will be one easy-to-use spreadsheet, with no outlying database for recycled content.

ADJOURN

Send suggested topics for the next call to Corey Buffo and Sandra Cannon.

RESOURCE MATERIALS AND UPDATED EPP INFORMATION

NEWLY DESIGNATED RECYCLED PRODUCT AND NEW DEFINITION

Begin Purchasing and Collecting Purchasing Data by September 15, 2008

- Fertilizer
- Compost (new definition)

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

NEWLY DESIGNATED BIOBASED PRODUCTS

Begin Purchasing and Collecting Purchasing Data by October 27, 2010

CLEANERS/SOLVENTS

- Food cleaners – 53%
- General purpose household cleaners – 39%
- Industrial cleaners – 41%
- Multipurpose cleaners – 56%
- Parts wash solutions – 65%

LUBRICANTS

- Chain & cable lubricants – 77%
- Corrosion preventatives – 53%
- Forming lubricants – 68%
- *Gear lubricants – 58%

Begin Purchasing and Collecting Purchasing Data by May 14, 2009 except where denoted

CLEANERS/SOLVENTS

- Adhesive and mastic removers – 58%
- Bath and spa cleaners – 74%
- Carpet and upholstery cleaners
 - General purpose cleaners – 54%
 - Spot removers – 7%
- Floor strippers – 78%
- Glass cleaners – 49%
- Graffiti and grease removers – 34%
- Hand cleaners and sanitizers
 - Hand cleaners – 64%
 - Sanitizers – 73%
- Laundry products
 - General purpose laundry – 34%
 - Pretreatment/spot removers – 46%

CONSTRUCTION

- *Carpets - 7%
- *Insulating foam (plastic) for residential and commercial construction – 7%

- *Panels - composite panels
 - Acoustical composite panels – 37%
 - Interior panels – 55%
 - Plastic lumber composite panels – 23%
 - Structural interior panels – 89%
 - Structural wall panels – 94%
- Release fluids - concrete and asphalt – 87%

DISHWARE

- Cutlery - disposable – 48%
- *Disposable containers – 72%

LUBRICANTS

- 2-cycle engine oils – 34%
- Firearm lubricants – 49%
- Greases
 - Food grade -42%
 - Multi-purpose – 72%
 - Rail track – 30%
 - Truck – 71%
 - Unspecified – 75%
- Metalworking fluids—straight oils
 - Straight oils – 66%
 - General purpose soluble, semi-synthetic, synthetic – 57%
 - High performance soluble, semi-synthetic, synthetic **(delayed preference compliance date)** – 40%

SEALANTS

- Wood and concrete sealers
 - Membrane concrete sealers – 11%
 - Penetrating liquid sealers – 79%

OTHER

- De-icers - general purpose de-icers – 93%
- Dust suppressants – 85%
- *Fertilizers - 71%
- Films
 - Non-durable – 85%
 - *Semi-durable (plastic bags) – 45%
- Fluid filled transformers
 - Synthetic esterbased transformer fluids **(delayed preference compliance date)** – 66%
 - Vegetable oil-based transformer fluids – 95%
- *Hydraulic fluids - stationary equipment – 44%
- Lip care products – 82%
- *Sorbents – 89% (proposed 52%)

Begin Purchasing and Collecting Purchasing Data by March 16, 2007 except where denoted

- Lubricants, penetrating – 68% biobased content by weight
- Diesel fuel additives – 90%
- Urethane roof coating/sealant – 20%
- Hydraulic fluids for mobile equipment (tractors, etc.) – 44%
- Bedding, bed linens, towels (**November 20, 2007 preference compliance date**) – 12%
- Water tank coating/sealant (**November 20, 2007 preference compliance date**) – 59%

* May overlap with recycled content requirements. Recycled content requirements have precedence.

Regulations: <http://www.biopreferred.gov/ProposedAndFinalRegulations.aspx>

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 13423 home page
<http://www.hss.doe.gov/pp/epp/>

Green Purchasing Executive Orders, Regulations, Guidelines

Office of the Federal Environmental Executive
www.ofee.gov

Buying Green

FedCenter
<http://www.fedcenter.gov/programs/buygreen/>

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://yosemite1.epa.gov/oppt/epstand2.nsf>

Environmentally Preferable Products

U.S. Department of Energy
<http://www.hss.doe.gov/pp/epp/>

Alternative Fuels and Vehicles

U.S. Department of Energy

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

Biobased Products

U.S. Department of Agriculture

<http://www.biopreferred.gov/?SMSESSION=NO>

Construction

Whole Building Design Guide -- Technical Guidance for Implementing the Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings Memorandum of Understanding

<http://www.wbdg.org/sustainablemou>

The Federal Green Construction Guide for Specifiers with more than 60 model green construction spec sections

<http://fedgreenspecs.wbdg.org>

Energy/Water Efficient Products

Federal Energy Management Program

<http://www.eere.energy.gov/femp/procurement/>

Recycled Products and Suppliers

U.S. Environmental Protection Agency Comprehensive Procurement Guidelines

<http://www.epa.gov/wastes/conserve/tools/cpg/products/index.htm>

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>

California Carpet Standard

<http://www.documents.dgs.ca.gov/green/epp/standards.pdf>

Recycled Content Specifications and Suppliers

U.S. Environmental Protection Agency

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

Suppliers Meeting California Carpet Standard

<http://www.green.ca.gov/EPP/carpets.htm>

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 “cleaning supplies” at

<http://yosemite.epa.gov/oppt/epstand2.nsf/Pages/Search.html?Open>

Suppliers

EcoLogo CCD 104 Hand Cleaners – Industrial

http://www.ecologo.org/en/seeourcriteria/details.asp?ccd_id=329

EcoLogo CCD 110 Cleaning and Degreasing Compounds

http://www.ecologo.org/en/seeourcriteria/details.asp?ccd_id=335

EcoLogo CCD 115 Odor Control Additives

http://www.ecologo.org/en/seeourcriteria/details.asp?ccd_id=340

EcoLogo CCD-146 Hard Surface Cleaners

http://www.ecologo.org/en/seeourcriteria/details.asp?ccd_id=371

EcoLogo CCD-147 Floor Care Products

http://www.ecologo.org/en/seeourcriteria/details.asp?ccd_id=372

EcoLogo CCD 148 Carpet and Upholstery Cleaners

http://www.ecologo.org/en/seeourcriteria/details.asp?ccd_id=373

EcoLogo CCD 166 Disinfectants and Disinfectant Cleaners

http://www.ecologo.org/en/seeourcriteria/details.asp?ccd_id=391

Green Seal GS-37 Industrial and Institutional Cleaners

<http://www.greenseal.org/findaproduct/index.cfm#cleaners>

Construction Materials and Products

Contract Language

U.S. Department of Energy

<http://www.hss.doe.gov/pp/epp/epspecs.html> , see “Construction Services”

Paint

Recycled Content Specifications and Suppliers

U.S. Environmental Protection Agency

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

Suppliers

EcoLogo CCD-47 Surface Coatings (Paints, Stains, and Varnishes)
http://www.ecologo.org/en/seeourcriteria/details.asp?ccd_id=272

EcoLogo CCD-48 Surface Coatings (Recycled)
http://www.ecologo.org/en/seeourcriteria/details.asp?ccd_id=273

Green Seal GS-43 Recycled Content Latex Paint
http://www.greenseal.org/newsroom/GS-43_Recycled_Content_Latex_Paint.pdf

Toner Cartridges

Recycled Content Specifications and Suppliers

International Imaging Technology Council

<http://www.i-itc.org/stmcompanies.htm>

EcoLogo CCD-039 Printing Cartridges Remanufactured
http://www.ecologo.org/en/seeourcriteria/details.asp?ccd_id=264

U.S. Environmental Protection Agency
<http://www.epa.gov/wastes/conserve/tools/cpg/products/toner.htm>

DOWNLOAD AND RUN BEES 4.0 SOFTWARE

BEES (Building for Environmental and Economic Sustainability) software helps designers, builders, and product manufacturers identify the environmental and economic performance of construction materials. Developed by NIST (National Institute of Standards and Technology) Green Buildings Program with support from the U.S. Environmental Protection Agency Environmentally Preferable Purchasing Program and the HUD Partnership for Advancing Technology in Housing (PATH) the tool is based on consensus standards and designed to be practical, flexible, and transparent.

Register for software at <http://www.bfrl.nist.gov/oe/software/bees/registration.html> (no cost involved):

- Fill out registration form
- Click submit

To install BEES 4.0:

- Download bees30dzip.exe, a 14.6 MB self-extracting file. (If prompted during the download, choose to save the file).
- From Windows Explorer, double click on bees30dzip.exe to start the self- extraction process.
- When prompted, choose a folder to unzip the file to and click Unzip.
- Using Windows Explorer, go to the folder you specified in Step 3, double click on Setup.exe and follow the directions on the screen. You will need to choose a folder in which to install BEES 3.0d. This folder must be different from the one you specified in Step 3.

To run BEES 4.0:

- Select Start->Programs->BEES->BEES 4.0

OR

- Go to “My Computer” or wherever you can see all folders and files on your computer. Do not try to open the BEES exe file from a software application, such as Word.
- Go to where you stored the BEES files (probably in a folder labeled “BEES”)
- Open the BEES30d.exe file
- Go to “Analysis” at top of window and then “Define Parameters”