**Minutes of DOE Bi-Monthly Teleconference**

**SUSTAINABLE ACQUISITION WORKGROUP**

**March 26, 2015, 11:00-Noon EST**

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| Help your site be recognized for leadership in sustainable acquisition  **Purchase products that meet the GreenBuy Award goals**  https://www.fedcenter.gov/members/workgroups/sustainableacquisition/priorityproducts/ |

**TOPICS**

* EPEAT Awards Announcement
* DOE 2014 Sustainability Award Winners
* Executive Order 13693
* BEES: How to Use the BEES Tool to Select Cost Effective, Environmentally Preferable Building Materials
* How to Avoid Purchasing Expenses and Reduce Waste at Earth Day Events
* GreenBuy Award Goals

**MINUTES**

**Welcome** – Shab Fardanesh (DOE-HQ Office of Sustainability Support, AU-21)

Shab Fardanesh announced the new EPEAT Purchaser Awards. Although federal entities should apply, this award is offered by the Green Electronics Council and is not a federal award. To earn an award, applicants need to meet three requirements:

* Demonstrate they have a written policy in place requiring the purchase of EPEAT-registered electronics
* Set specifications in contracts with vendors requiring that all electronic products in one or more of three categories (PC/displays, imaging equipment, and televisions) achieve Bronze registration or higher in the EPEAT system in the country/countries of purchase
* Report the quantity of EPEAT-registered electronic equipment purchased.

Applicants will earn a star for each of the three product categories for which they complete the three activities. Completion of the activities for at least two categories earns a certificate, and for all three categories a trophy. All applicants that meet the requirements will be listed on a website, receive a calculation of the environmental benefits the organization achieved through these activities, and be included in a presentation at the DOE Earth Day Awards Ceremony. Interested facilities should apply through <http://www.epeat.net/epeat-purchaser-awards/> by April 6.

Several reminders were made:

* The DOE Site Sustainable Products Database ([https://www.fedcenter.gov/members/workgroups/  
  sustainableacquisition/productsdatabase/](https://www.fedcenter.gov/members/workgroups/sustainableacquisition/productsdatabase/)) is the first place to look for information about specific products. However, it is only as useful as the information put into it. Consider this to be a place where facilities can make recommendations to other DOE colleagues based on their experience with specific products.
* Sites can also use the Sustainable Acquisition ListServ ([sustainable-acquisition@www.fedcenter.gov](mailto:sustainable-acquisition@www.fedcenter.gov)) to pose questions to other DOE sites and program offices.
* The DOE Sustainable Acquisition Online Training is available at <https://lms.ntc.doe.gov/u>. The training will help show how sustainable acquisition integrates into all aspects of sustainable operations and supports other such efforts within the organization and DOE. A certificate is earned for course completion, which can be a selling point to help obtain support from management for having staff complete the course.

**Bottom Line:**

Apply for an EPEAT Purchaser Award at <http://www.epeat.net/epeat-purchaser-awards> by April 6

Online tools are available for your use:

* DOE Site Sustainable Products Database: <https://www.fedcenter.gov/members/workgroups/sustainableacquisition/productsdatabase/>
* Sustainable Acquisition Listserv: [sustainable-acquisition@www.fedcenter.gov](mailto:sustainable-acquisition@www.fedcenter.gov)
* DOE Sustainable Acquisition Online Training: <https://lms.ntc.doe.gov/u>

**Sustainability Performance Office Update** – Paul Estabrooks (DOE-HQ Sustainability Performance Office)

New Executive Order (EO): President Obama issued new EO 13693, *Planning for Federal Sustainability in the Next Decade*, on March 19, 2015 (<http://www.gpo.gov/fdsys/pkg/FR-2015-03-25/pdf/2015-07016.pdf>). The EO is intended to be a roadmap for federal sustainability. It revokes the existing EOs 13423 and 13514 and other presidential memoranda, including on biobased purchasing. However, it extends many goals ending in 2015 that DOE is currently working towards, such as those related to greenhouse gas (GHG) reduction, energy and water intensity, and high performance sustainable buildings (HBSP).

A key point is that DOE/agency implementation will not change, in terms of reporting times and mechanisms (for example, annual Strategic Sustainability Performance Plan, GHG Inventory, annual Office of Management and Budget—OMB--Scorecard). However, site-level planning and reporting (for example, Site Sustainability Plan, Consolidated Energy Data Report (CEDR)/Dashboard reporting) will be modified to reflect new goals. In the next 45 days, the Council on Environmental Quality (CEQ) and OMB are expected to issue implementation guidance that will provide more details on what the new EO means to federal facilities. The Sustainability Performance Office (SPO) will provide more information as it becomes available.

The goals set in the new EO include the following:

* Establish new GHG reduction targets for fiscal year (FY) 2025 (FY2008 baseline)
* Reduce energy use intensity 2.5 percent annually through FY2025 (FY2015 baseline)
* Establish new HPSB target for FY2025
* Establish net-zero building target for FY2025
* Use 25 percent clean energy (renewable and alternative) as a percentage of total electric and thermal use by FY2025
* Use 30 percent renewable energy as a percentage of total electric energy use by FY2025
* Reduce fleet-related GHGs 30 percent by the end of FY2025 (FY2014 baseline)
* Reduce water use intensity 36 percent by FY2025 (FY2007 baseline)
* Fulfill existing agency target for performance contracting (DOE: $275 million by December 2016) and establish new annual targets for FY2017 and thereafter

The major goal in the list above is the agency target for performance contracting. Beginning in FY2017, a new target will be set every year.

In the next 90 days, each agency will set targets in response to the new EO. Some goals will be extended and others will be new. DOE is exceeding its current targets and as such is on the way to meeting the existing goals for energy intensity, water intensity, and renewable electric energy. Current performance is also on track for GHG emissions and HPSB, and new targets for FY2025 will be set.

Shab Fardanesh: Some provisions of EO 13423 were codified in law, such as those related to fleets. How are those integrated with the new EO?

Paul Estabrooks: Anything codified in law still remains in effect. Anything only in the replaced EOs and memoranda will fall away, but the forthcoming implementation instructions will clarify what agencies are and are not responsible for. The new EO is very different and focuses on GHG reduction rather than other issues such as alternative fuels. Sites should await final guidance and instructions before taking action in response to the new EO.

Ralph Wrons (Sandia National Laboratories): GHG reduction was a focus of each of the previous EOs, but EO 13423 was more comprehensive with regard to pollution prevention. What happens to waste reduction, pollution prevention, and similar programs in light of the new EO? Will those activities be de-prioritized in favor of reducing GHG emissions, or will those activities be continued but put into the context of their role in reducing GHG emissions?

Paul Estabrooks: Although the focus of the new EO is more on GHG reductions, it does still contain requirements related to those other areas. Language in the new EO does tone down electronic stewardship goals, for example, but we need to await the implementation guidance before making changes.

Shab Fardanesh: Will CEQ and OMB provide an opportunity for DOE to comment on the guidance?

Paul Estabrooks: Provision of a comment period would be at the discretion of CEQ and OMB.

2014 Sustainability Awards: The winners of the 2014 Sustainability Awards have been announced; see <http://energy.gov/eere/spo/2014-doe-sustainability-awards-0> for the list of winners. Winning teams will share their projects at a best practices workshop to be scheduled.

SPO Funding Opportunity Announcement (SPOFOA): As announced in the January teleconference, the SPOFOA launched recently as a first-of-a-kind program to provide direct financial assistance to DOE sites and laboratories for their sustainability efforts and therefore improve DOE compliance overall. Funding is given to support projects that facilitate DOE sustainability efforts, reduce operating costs, and improve the efficiency of DOE operations. All DOE sites and National Laboratories are eligible to receive funding under the program, with no technical restrictions. Any project with the potential to increase DOE compliance with sustainability goals and requirements will be considered.

SPOFOA will provide up to 50 percent of total project costs as soon as award negotiations are completed. This provides additional flexibility to optimize co-funding and project implementation.

A Frequently Asked Questions (FAQ) (<https://doegrit.energy.gov/SustainabilityDashboard/PDF/SPOFOA%20FAQ.pdf>) document addressing subjects of common inquiry has been posted to the SPOFOA webpage (<http://www.sustainability.energy.gov/SPOFOA>). The webpage also includes the financial assistance notice, application form, and other instructions. Applications are due April 17.

**Bottom Line:**

New EO 13693 (<http://www.gpo.gov/fdsys/pkg/FR-2015-03-25/pdf/2015-07016.pdf>) provides a roadmap for federal sustainability over the next 10 years. Although DOE implementation will not change, there are new goals and site-level planning and reporting will be modified to accommodate. CEQ and OMB will issue implementation guidance.

Winners of the 2014 Sustainability Awards are listed at <http://energy.gov/eere/spo/2014-doe-sustainability-awards-0>.

Apply for financial assistance with sustainability projects by April 17; see <http://www.sustainability.energy.gov/SPOFOA>.

**How to Use the BEES Tool to Select Cost Effective, Environmentally Preferable Building Materials** – Josh Kneifel (National Institute of Standards and Technology (NIST))

Link to <http://www.nist.gov/el/economics/BEESSoftware.cfm>

NIST created the Building for Environmental and Economic Sustainability (BEES) tool, an online tool that allows users to compare cost and environmental attributes of building materials and thereby select the most cost effective and environmentally preferable. During the January 22 teleconference, Josh Kneifel described the underpinnings behind the BEES tool, and he returned to provide a demonstration:

* Begin at the main website, <http://www.nist.gov/el/economics/BEESSoftware.cfm>, which provides a description of the tool
* Click under “Download information” on the right to “visit BEES Online.” The introductory page for the BEES tool includes a pdf tutorial
* Click on “Analyze Building Products” to begin using the tool.
* Enter the “Analysis Parameters.” Begin by selecting the Environmental Impact Category Weights. This establishes the weight that will be given to each of the 12 impact categories (global warming, acidification, eutrophication, fossil fuel depletion, indoor air quality, habitat alternation, water intake, criteria air pollutants, smog, ecotoxicity, ozone depletion, and human health). Options are for no weighting, user-defined weights, selection of one of the options for pre-defined weights (such as, those established by the BEES Stakeholder Panel or EPA Science Advisory Board), or equal weights for all attributes.
* Set the weight for environmental performance vs. economic performance. A weight of 50% for environmental performance will set an equal weight of 50% for economic performance
* Set the discount rate (excluding inflation); the default is 2.7%.
* Choose the building elements for comparison (major group element, group element, and individual element). (Click on “View Product List” to see all the product elements currently available in the system.)
* Click the “Next” button after selecting the product elements.
* Select Alternatives. From the menu of the available products in the tool for those elements, choose the first to compare.
* Enter the transportation distance from the manufacturer, if known, and click on “Update,” or use the default option for the product. Use the same distance from the manufacturer for each item to compare without considering this parameter.
* Press “Select Alternative” to add the product to the list for comparison
* Choose additional products within the element to compare
* Click on “Compute” to run the comparison
* Click on “View Reports” to see the results of the comparison

BEES provides summary graphs, life-cycle stage graphs, environmental flow graphs, and embodied energy graphs. Summary graphs include economic performance, environmental performance, and overall performance. Economic performance provides a comparison of first cost and future cost for each alternative, including the initial installation, expected replacement, and expected maintenance costs. The score for the actual cost per unit shown is less important than the comparison between the selected products; the lower the score the better the economic performance. The table below the graph provides the actual scores by component for each product.

The summary graph for environmental performance provides the weighted average of environmental performance based on the weights selected under “Analysis Parameters.” The lower the score, the less the environmental impact for the impact category. The scores will change, depending on the weights chosen. This shows the tradeoffs that need to be considered for each product, and users should focus on those attributes that are most important for their purposes.

The overall performance summary graph combines the economic and environmental scores based on the weight selected under “Analysis Parameters.”

The environmental flow graphs allow users to consider each environmental category in more detail over each stage of the life cycle (such as, raw materials, manufacturing, transportation, use, and end of life).

Ralph Wrons (Sandia): Are in-depth training webinars on BEES available? A focused 2–3-hour webinar giving specific examples would be useful, for example in the area of selecting products that would meet the requirements in the HPSB guidelines.

Josh Kneifel: Not at this time, but if there is interest one can be set up. NIST appreciates feedback on how people do or want to use BEES to help determine where to focus resources (for example, update interface to allow search by product types, revise underlying modeling, add products?).

Ralph Wrons (Sandia): Regarding the environmental impact categories, none was explicitly “waste reduction” or “uses post-consumer recycled content.” Although the demonstration mentioned recycled content, it is not intuitive which category covers this. Also, do the products covered in BEES include certified C2C (cradle to cradle) products?

Josh Kneifel (response via email after the call): For the purpose of this discussion, we estimated the recycled content (of the total product) based on the documentation accessible within BEES for each product. This is not very user friendly and was not based on the specific language of any legal requirements/guidelines. NIST is considering creating an excel spreadsheet that allows a user to quickly filter through these types of characteristics, but it will require information on the different purchasing program requirements. The C2C certification could also be included in this spreadsheet.

Ralph Wrons (Sandia): If I had a chance for a focused 2- or 3-hour webinar to learn a lot more about using BEES with some specific examples and a chance to be interactive on those, I think I would be more likely to use BEES and more likely to promote it to others, say in the area of selecting products that would meet the requirements in the HPSB (high performing, sustainable building) guidelines.

Josh Kneifel (response via email after the call): We agree that 15 minutes is not even close to enough time to go through all the capabilities of BEES. We think a BEES webinar would be an excellent opportunity to assist BEES users if there is enough demand for it. We are currently working on adding a banner on the BEES main page to get feedback from users. Perhaps that may be an avenue to obtain the necessary interest for such a webinar.

**Bottom Line:**

Use the NIST BEES online tool to compare cost and environmental attributes of building materials: <http://www.nist.gov/el/economics/BEESSoftware.cfm>

**How to Avoid Purchasing Expenses and Reduce Waste at Earth Day Events**

* Zero Waste Events at Sandia National Labs New Mexico – Ralph Wrons

At Sandia, the Materials Sustainability and Pollution Prevention Program’s (MSP2’s) name reflects its focus. Its activities embody the full circle of reduce, reuse, recycle, compost, and buy green in striving for zero waste. Sandia has a goal of zero waste by 2025, based on a definition of “zero waste” adapted from the Zero Waste International Alliance of “Designing and managing products and processes to systematically avoid and eliminate the volume and toxicity of waste and materials, conserve and recover all resources, and not burn or bury them.” Sandia’s metric for achieving this, based on currently available processes, is diverting more than 90% of solid waste generated to not be landfilled or incinerated.

As a component of meeting this goal, MSP2 has promoted zero waste events since 2011. MSP2 began with 2–3 major events in 2011 that focused on recycling and composting waste. In FY2015, MSP2 will assist with at least 15 events and has expanded to work more closely with event caterers to provide biobased utensils, condiments in pumps, and other more sustainable products. The majority of waste generated by these events is compostable rather than recyclable.

The events serve as both educational and waste diversion opportunities. MSP2 is involving more volunteers, including more involvement from the custodial crew. Existing trash cans near an event site are covered, with explanatory signage to steer participants to dedicated containers in MSP2’s custom tent, which also promotes the message of zero waste to the landfill.

Sandia’s Environmental Management System targets for each division now include hosting at least one zero waste event per year. MSP2 provides event hosts with a zero waste events checklist so that they know what they need to do at a minimum for a successful event. Planners may also, and are encouraged to, ask for help from MSP2.

* Initiatives at the National Renewable Energy Laboratory (NREL) – Ellen Fortier

Since 2010, NREL’s Daily Green Practices have included all events and meetings. Green catering guidelines established in June 2010 for outside vendors for the onsite cafe and coffee kiosks also apply to all events. Because these practices are already in place for daily operations, those vendors and any additional ones carry those practices over to events.

Vendors applying to run the onsite Green Bean and Golden Grounds Coffee kiosks were required to procure compostable items and follow other sustainable practices, as do any additional catering vendors needed for an event. Such practices include providing beverages in 3-gallon dispensers with compostable cups, rather than bottled drinks, including for water. These dispensers are used in all buildings and laboratories for daily needs as well.

NREL also requires vendors to provide foods that are locally grown. Over 50% of all the food served at NREL meetings and events and at the café and coffee kiosk are organic and locally grown. As Colorado enters its growing season, 75–80% of products will be sourced locally. For Earth Week, the site’s chef will prepare more vegetarian options using locally grown whole grains and vegetables.

NREL events such as its 35th anniversary event and charitable giving campaign event are examples of occasions when all compostable materials and locally grown food were used. A local ice cream vendor, compost bins, and drink dispensers were made available.

The NREL café is LEED platinum. It received credits for offering locally grown food, having ENERGY STAR appliances, and using durable plates and cutlery for those dining in and compostable items for takeout.

NREL sources many items from Eco-Products, a Colorado business that started small in 1990 but now uses distributors throughout the country, including eTundra in Boulder. Costs of the items have decreased significantly as Eco-Products has grown.

To support NREL’s waste diversion program, waste bins are identified by color and signs, with green for compost, blue for recycling, and smaller gray bins for trash. Paper towels are composted, and a sign on the dispenser reminds users of this. All buildings are now participating in this program.

NREL began a composting waste pilot program in 2010, which has since been expanded to the entire laboratory and has been very successful. From 68,468 pounds of organic waste collected during the 6-month pilot, NREL composted 840,267 pounds of organic waste in FY2014. Composting provider A1 Organics provides 65-gallon totes to hold the contents of the green bins emptied daily. Each week, A1 takes the totes to Winrose in northern Colorado for composting into a premium garden compost. NREL receives 30 yards of the compost free from A1 every Earth Day. Each person at NREL receives two burlap bags, provided by a local coffee vendor, to take compost home.

In FY2014, NREL’s waste diversion rate was 75% (44% recycled and 31% compost), with 25% sent for solid waste disposal. The program seems to have reached a plateau, and the staff is trying to identify other waste streams for recycling and composting. New initiatives include bag banks and polystyrene foam recycling in the laboratories.

Karen Kosky (Argonne National Laboratory): NREL has a downstream composting partner, does Sandia?

Ralph Wrons (Sandia): Yes; Sandia does not compost on site. Sandia had a composting pilot in 2010 with a local industrial composting contractor. The contractor rents carts and charges a fee to pick up organic waste once or twice a week; more carts are provided for large events. Shredded and pulverized paper pulled out of a particular waste stream also goes into the compost.

Jason Remien (Brookhaven National Laboratory): Brookhaven is working on obtaining a composting contractor as well.

**Bottom Line:**

Sustainability programs can offer support to event hosts to make events that result in zero waste to landfills.

A comprehensive food service and waste diversion program built into daily operations can carry over into special events to make them sustainable as well.

**GreenBuy Award Goals** – Sandra Cannon

* Reminder of FY2015 goals
* Request for input on FY2016 goals

As a reminder, some of the goals for the GreenBuy Award changed for FY2015. Most of these changes were in response to the takeover of EcoLogo and GreenGuard labels by UL Environment. Changes were made to goals related to copy paper (additional goal of processed chlorine free), paint (combined goal of remanufactured content and maximum of 50 grams per liter of volatile organic compounds), showerheads (removed due to lack of applicable standards), and water heaters (ENERGY STAR as the applicable standard for gas commercial storage tank types).

DOE and the General Services Administration (GSA) are working together to open the GreenBuy Award to all federal agencies. This includes development of a product verification guide that will be part of the guidance for the FY2016 GreenBuy Award.

Other changes include renaming the Priority Products List to the Sustainable Products List. Nominees will also be able to receive an award for achieving the same GreenBuy level two years in a row but not for achieving a lower level (for example, a facility can achieve the silver level in both FY2015 and FY2016, but not silver in FY2015 and bronze in FY2016). However, the level of qualification for the bronze level has increased.

Qualification levels for FY2016 are the following:

* Bronze: At least 4 products covering at least 2 product categories (0 repeat products from the previous year)
* Silver: At least 6 products covering at least 3 product categories (1 repeat product from the previous year)
* Gold: At least 9 products covering at least 5 product categories (3 repeat products allowed from previous year)

Changes to the goals for FY2016 include additional options to achieve the goal for existing products, as well as the addition of some new products. Details of these changes are available on pages 4–5 of the draft FY2016 GreenBuy Award Guide sent to DOE sites on March 24. Comments on the proposed goals should be provided to Shab Fardanesh and Sandra Cannon. The intent is to keep the GreenBuy program in a steady state as much as possible but also to improve it and respond to issues or comments from sites.

Ralph Wrons (Sandia): Note that the name of the “Priority Products List” was intended to reflect the idea that the list “pushed the market” by focusing on a prioritized group of products.

Sandra Cannon: GSA had proposed this change; DOE will revisit it with GSA.

**Adjourn**

**Next teleconferences**

* 2015 – Jun 4, Jul 23, Sep 24, Dec 3
* Potential topics for the next teleconference. Please share your ideas with Shab Fardanesh (shabnam.fardanesh@hq.doe.gov) and Sandra Cannon ([cannon@ecopurchasing.com](mailto:cannon@ecopurchasing.com))

**Contact Information for March 26, 2015 Teleconference**

Office of Sustainability Support

Moderator: Shab Fardanesh – [shabnam.fardanesh@hq.doe.gov](mailto:shabnam.fardanesh@hq.doe.gov), 202-586-7011

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Sustainability Performance Office Updates

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How to Use the BEES Tool to Select Cost Effective, Environmentally Preferable Building Materials

Josh Kneifel – joshua.kneifel@nist.gov, 301-975-6857

How to Avoid Purchasing Expenses and Reduce Waste at Earth Day Events

Sandia National Labs New Mexico:

Ralph Wrons – rjwrons@sandia.gov, 505-844-0601

Sam McCord – [samccor@sandia.gov](mailto:samccor@sandia.gov), 505-844-8916

National Renewable Energy Lab:

Ellen Fortier - [ellen.fortier@nrel.gov](mailto:ellen.fortier@nrel.gov), 303-275-3634**RESOURCE MATERIALS AND UPDATED**

**SUSTAINABLE ACQUISITION INFORMATION**

**NEWLY DESIGNATED RECYCLED PRODUCT AND NEW DEFINITION**

**Begin Specifying in Contracts and Other Purchasing Vehicles by September 15, 2008**

* Fertilizer
* Compost (new definition)

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

**NEWLY DESIGNATED BIOBASED PRODUCTS**

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

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

**Begin Specifying in Contracts and Other Purchasing Vehicles by Jun 11, 2014**

**(**http://www.biopreferred.gov/files/Round\_10\_Final\_Rule.pdf**)**

* Cleaners/Solvents
  + Aircraft – 48%
  + Boat – 38%
  + Corrosion removers – 71%
  + Metal cleaners (not stainless steel) – 56%
  + Metal cleaners for stainless steel – 75%
  + Microbial drain maintenance – 45%
  + Microbial general cleaners – 50%
  + Microbial waste water maintenance – 44%
* Composite Panels
  + Countertops – 89%
* Fleet
  + Auto care products (buffing compound, degreaser, interior cleaners, leather care products, polish, soap, tire and wheel cleaners wax) – 75%
  + Gasoline fuel additives – 92%
* Lubricants
  + \*Engine crankcase oil (4-cycle & diesel) – 25%
  + Water bearing turbine oil – 46%
* Operations
  + Paint remover – 41%

**Begin Specifying in Contracts and Other Purchasing Vehicles by Nov 19, 2013**

**(**http://www.regulations.gov/#!documentDetail;D=OPPM\_FRDOC\_0001-0002**)**

**CLEANERS/SOLVENTS/CUSTODIAL**

* Specialty precision cleaners & solvents – 56%

**GROUNDS/LANDSCAPING**

* Dethatcher products – 87%

**OPERATIONS/FLEET**

* Fuel conditioners – 64%

**MISCELLANEOUS**

* Agricultural spray adjuvants (improve effectiveness of pesticides, herbicides) – 50%
* Animal cleaning products – 57%
* Deodorants – 73%
* Leather, vinyl, rubber care products – 55%
* Lotions and moisturizers – 59%
* Shaving products – 92%
* Sun care products – 53%
* Wastewater systems coatings – 47%
* Water clarifying agents - 92%

**Begin Specifying in Contracts and Other Purchasing Vehicles by April 4, 2013**

**(**<http://www.biopreferred.gov/files/Round_8_Final_Rule.pdf>**)**

**CLEANERS/SOLVENTS**

* Asphalt and tar removers – 80%
* Electronic components cleaners – 91%
* Furniture cleaners and protectors – 71%

**CONSTRUCTION**

* Asphalt restorers – 68%
* \*Floor coverings (non-carpet) – 91%
* \* Insulating materials – 74%
* Wood and concrete stains – 39%

**LUBRICANTS**

* Pneumatic equipment lubricants – 67%

**SHIPPING**

* \*Packing materials – 74%

**MISCELLANEOUS**

* Air fresheners and deodorizers – 97%
* Blast media – 94%
* Candles and wax melts – 88%
* Foot care products – 83%
* Inks
  + Specialty – 66%
  + Sheetfed Color – 67%
  + Sheetfed Black – 49%
  + Printer toner <25 ppm – 34%
  + Printer toner =>25 ppm – 20%
  + News – 32%

**Begin Specifying in Contracts and Other Purchasing Vehicles by July 23, 2012**

**(**http://www.biopreferred.gov/files/Round\_7\_Final\_Rule.pdf?SMSESSION=NO**)**

**CLEANERS/SOLVENTS**

* Bath products (bar soaps, liquids, gels) – 61%
* Bioremediation materials – 86%
* Concrete and asphalt cleaners – 70%
* Dishwashing products – 58%
* Floor cleaners and protectors – 77%
* Oven and grill cleaners – 66%

**CONSTRUCTION**

* \*Paints and coatings – Interior
  + Latex, waterborne alkyd paints and coatings – 20%
  + Oil-based and solventborne alkyd paints and coatings – 67%

**LANDSCAPING**

* Compost activators/accelerators – 95%
* Erosion control materials – 77%

**LUBRICANTS**

* \*Lubricants - Slide way – 74%

**SHIPPING**

* Thermal shipping containers (insulated containers for shipping temperature sensitive materials)
  + Durable – 21%
  + Non-durable – 82%

**MISCELLANEOUS**

* **Animal repellents – 79%**
* Cuts, burns, and abrasions ointments – 84%
* Hair care products
  + Shampoos – 66%
  + Conditioners – 78%

**Begin Specifying in Contracts and Other Purchasing Vehicles by October 18, 2011**

**(**<http://www.biopreferred.gov/files/Round_6_Final_Rule.pdf>**)**

**CLEANERS/SOLVENTS**

* Expanded polystyrene foam recycling products (Products formulated to dissolve EPS foam to reduce the volume of recycled or discarded EPS items) – 90%%
* Ink removers and cleaners – 79%

**COOLANT**

* Heat transfer fluids (coolants/refrigerants) – 89%

**DISHWARE**

* Disposable tableware (not including cutlery, made from or coated with plastic resin) – 72%

**LANDSCAPING**

* \*Mulch and compost materials – 95%

**LUBRICANTS**

* \*Multipurpose lubricants (not greases or task specific lubricants such as cable, chain, gear lubricants) – 88%
* Turbine drip oils – 87%

**MISCELLANEOUS**

* Topical pain relief products – 91%

**Begin Specifying in Contracts and Other Purchasing Vehicles by October 27, 2010**

**(**<http://www.biopreferred.gov/files/Round_5_Final_Rule.pdf?SMSESSION=NO>**)**

**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 Specifying in Contracts and Other Purchasing Vehicles by May 14, 2009 except where denoted**

**(**<http://www.biopreferred.gov/files/Round_2_Final_Rule.pdf?SMSESSION=NO>**)**

**(**<http://www.biopreferred.gov/files/Round_3_Final_Rule.pdf>**)**

**(**<http://www.biopreferred.gov/files/Round_4_Final_Rule.pdf>**)**

**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 – 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 – 66%
  + Vegetable oil-based transformer fluids – 95%
* \*Hydraulic fluids - stationary equipment – 44%
* Lip care products – 82%
* \*Sorbents – 89% (proposed 52%)

**Begin Specifying in Contracts and Other Purchasing Vehicles by March 16, 2007 except where denoted**

**(**<http://www.biopreferred.gov/files/Round_1_Final_Rule.pdf>**)**

* 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%

**SOURCES OF INFORMATION**

**DOE’s “Sustainable Acquisition Program” website for access to template language for contracts, teleconference agendas and minutes, and other sources of helpful information**

U.S. Department of Energy

<http://www.fedcenter.gov/sustainableacquisition>

**Acquisition - Buying Green**

FedCenter

http://www.fedcenter.gov/programs/buygreen/

**GENERAL PRODUCT INFORMATION**

**Compilation of Designated Products**

General Services Administration

<http://www.sftool.gov/Account/LogOn?ReturnUrl=%2fImplement>

**Priority Products**

U.S. Department of Energy

<http://sftool.gov/green-products/35/greenbuy-program-doe-optional?agencyId=7>

**Environmentally Preferable Products**

U.S. Environmental Protection Agency

<http://yosemite1.epa.gov/oppt/eppstand2.nsf>

**Alternative Fuels and Vehicles**

U.S. Department of Energy

<http://www1.eere.energy.gov/femp/program/fedfleet_management.html>

**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/

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/eppstand2.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”

**Green Format Index to Construction Products**

Construction Specifications Institute

http://www.greenformat.com/home

**Materials Evaluation Tool - BEES**

National Institute of Standards and Technology

<http://www.nist.gov/el/economics/BEESSoftware.cfm/bees.html>

**Sustainable Renovation of Small Projects**

General Services Administration

<http://www.sftool.org>

**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/companies.php>

EcoLogo CCD-039 Printing Cartridges Remanufactured

<http://www.ecologo.org/en/seeourcriteria/details.asp?ccd_id=461>

U.S. Environmental Protection Agency

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