**Minutes of DOE Bi-Monthly Teleconference**

**SUSTAINABLE ACQUISITION WORKGROUP**

**August 25, 2016, 11:00-Noon EST**

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| Where is Sustainable Acquisition Training Available that Offers Continuing Education Units?**FEMP Training on the Whole Building Design Guide website**<https://www.wbdg.org/education/femp44.php> |

**TOPICS**

* Sustainable Acquisition Training for Federal Agencies
* Energy efficient ultra-low-temperature freezers for labs
* Transitioning to biobased products
* EPEAT update

**MINUTES**

**Welcome** – Shab Fardanesh (DOE-HQ Office of Sustainable Environmental Stewardship, AU-21)

Shab Fardanesh announced that Lawrence Berkeley National Lab received the Sustainable Purchasing Leadership Council Case Study Award for Improving Program Effectiveness: Turning Data into Action.

DOE Site winners of the Sustainability Award include:

* Change Agent – Terry Cothron (Y-12 National Security Complex)
* Sustainability Champion – Eric Haukdal (Headquarters)
* Scope 1 & 2 GHG Management – Idaho National Lab
* Renewable Energy – East Tennessee Technology Park
* Fleet Management – Oak Ridge National Lab
* Water Management – Y-12 National Security Complex
* Waste Reduction/Pollution Prevention – National Renewable Energy Lab & Rocky Flats Site
* Green IT Stewardship – Los Alamos National Lab and Oak Ridge National Lab
* Performance Contracting – Brookhaven National Lab
* Climate Change Adaption – National Renewable Energy Lab
* Innovation and Holistic Approach – Savannah River Site
* Sustainable Campus – Argonne National Lab
* Sustainable Communications – Los Alamos National Lab

**Debut of Sustainable Acquisition Training with Continuing Education Units** – Claire Richardson (Greening America on behalf of FEMP Training)

Link to <http://www.wbdg.org/education/femp44.php>

Many sites expressed an interest in wanting to gain Continuing Education Units (CEUs) for taking the Sustainable Acquisition training. Because the Federal Energy Management Program (FEMP) offers CEUs, we moved the training to FEMP and, thereby, it is now also available to all federal agencies.

The Sustainable Acquisition training course allows the user to learn about the requirements, resources, best practices, and contract language. The course also gives an overview of the Sustainable Acquisition process, guidance on how to meet the executive order, why Sustainable Acquisition matters, and how it benefits federal agencies, the community, and the environment. The training is open to everyone (even non-Feds) at the Whole Building Design Guide (WBDG) website and is free of charge.

The course is accredited by the International Association for Continuing Education and Training (IACET). Completing the course will earn 2 learning units for AIA and USGBC, and is equivalent to 0.2 CEUs. The entire FEMP catalog offers over 50 accredited courses that are relevant to state and local personnel, not just for the federal government. There is an option to complete a course series, which is a grouping of similar courses for a particular subject. A person who completes a course series will receive a certificate and CEUs for all of the courses.

To take the course, a person must register with WBDG, which will then allow the user to track all of the courses they have taken and enables access to their certificates. The steps are:

* First, register for a free WBDG account if you do not already have one:
<http://www.wbdg.org/account/register.php>
* If you are already registered for a WBDG account, log in at:
<http://www.wbdg.org/account/login.php>
* Once you are set up and logged in, visit this page:
<https://www.wbdg.org/education/femp44.php>

The course takes approximately 2 hours to complete, and there is a quiz at the end that requires a score of at least 80% to pass and receive the certificate and CEUs. The test can be retaken if you do not pass the first time. There is also a course evaluation to do at the end to share your likes, dislikes, and other suggestions. It is possible for groups to take the course in a classroom setting (such as with a projector), but each person will need to individually register on WBDG and take the quiz in order to receive their own certificate and CEUs.

Shab mentioned that the last time she spoke with Claire, there were about 80 registrants for the course after being available for only 1 month. She also mentioned that the course has been thoroughly reviewed by GSA.

Sandra mentioned that another related course that would be good to take is FEMP 38, contracting efficiency for contract officers. Chris Payne (Lawrence Berkeley National Lab) said these courses together would be a good 1-2 combination to get people up to speed on sustainable acquisition. Claire said she will work with the web administrators to try and link the two courses together.

Terri (FermiLab) asked if the courses are open for anyone to take them. It was confirmed that the courses are open access to everybody and are free of charge.

Kaushik Joshi (DOE Argonne Site Office) asked if an on-site workshop would be available for the course. While the “Sustainable Acquisition for Federal Agencies” training is an online course, Shab said she could talk with Joshi offline concerning the possibility of holding an on-site workshop.

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| **Bottom line:**Sustainable Acquisition for Federal Agencies training now offers continuing education units, can be held as a class, and is free (<https://www.wbdg.org/education/femp44.php>) |

**Energy Efficient Ultra-Low-Temperature Freezers for Labs** – Brianna Durkin and Kathleen Judd (Pacific Northwest National Lab)

Ultra-Low-Temperature Freezers (ULTs) are commonly found in research campuses. ULTs are used to store critical research samples and can cost $10-15k. The main challenge with buying cold storage for labs is there is not yet an ENERGYSTAR specification for lab-grade refrigerators and freezers. One is being developed.

The first question to ask the researcher is whether a residential Energy-Star certified freezer would suit their needs. Residential freezers are more efficient and much cheaper than lab-grade freezers.

The lifespan of a unit is usually determined by the length of time its compressor functions, and usually last about 12 years. Therefore, these freezers are a big purchasing decision and are typically energy hogs, using 6-22 kWh per day. The high efficiency models use considerably less energy than the others – the Stirling Ultracold SU780U model uses about 66% less energy based on a DOE study. The Pacific Northwest National Lab (PNNL) estimates the lifetime operating cost of a high efficiency unit is less than half of that for an average efficiency unit. As units age, their performance typically decreases, leading to an increased use of energy. This does not include maintenance costs, but since the Stirling model does not have a compressor, its maintenance costs should be lower than other freezers. PNNL has purchased 8 Stirling freezers and overall their energy performance is much better than other average efficiency units.

The bottom-up approach to promoting these high efficiency options includes educating the lab managers and researchers about the benefits of using these models. Benefits not only include less energy usage, but they have a smaller footprint, which may be attractive to researchers with limited physical lab space. It should be encouraged to buy energy-efficient equipment whenever possible. An entire presentation on energy efficient equipment is available, contact Brianna Durkin if interested.

The top-down approach includes talking with lab managers to get them to commit to purchasing high-efficiency models. PNNL has worked with E-Procurement to push high-efficiency cold storage and had them made available to the staff, even though these models are not necessarily required. Contract staff were trained regarding sustainable acquisitions, and sometimes negotiate discounts for the units, making them an even more desirable option. Choosing energy efficient models is the right thing to do, even if it is not required by sustainability goals.

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| **Bottom line:*** Check with researchers to verify whether a residential freezer would be sufficient.
* A wide variety of ULT freezers are on the market related to their energy efficiency
* Resources about ULT purchasing are available:
* [//energy.gov/sites/prod/files/2014/11/f19/ult\_demo\_report.pdf](http://energy.gov/sites/prod/files/2014/11/f19/ult_demo_report.pdf)
* <http://apps1.eere.energy.gov/buildings/publications/pdfs/alliances/ulf_freezer_user_guide.pdf>
* Kathleen Judd and Brianna Durkin (see contact information below)
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**Transitioning to Biobased Lubricants** – Pam Hensley and Lisa Burns (Portsmouth Gaseous Diffusion Plant)

Pam Hensley is the procurement manager for many projects at Portsmouth Gaseous Diffusion Plant. Portsmouth identified 230 products that pertain to sustainable acquisition requirements. Those products are tagged in the Portsmouth purchasing system so when any are requested staff can readily see what the sustainable acquisition requirements are that need to be specified. Portsmouth developed form 917 as the method for requesting items and confirming the items meet the sustainable acquisition requirements. Pam is available by phone if anyone has questions about the process or the 917 form (see contact information below).

The Portsmouth garage is now purchasing biobased lubricants, such as 15 weight motor oils, multipurpose grease, 5W 30 motor oils in 55-gallon drums, and a penetrating biobased oil. Three personal hygiene items are now biobased, including a liquid soap, a foaming soap for hair and body, and another hand and body soap. Lastly three cleaning supplies are biobased including a disinfectant, a floor finish and sealer, and a glass cleaner.

Pam mentioned that she has seen a lot of resistance to switching products. There seems to be an old culture that does not want to switch over. Ordering starts in the field, where someone says they have a need for a requisition, and as it goes through the process the environmental people look it over first before it goes to procurement. She did say that people are at least willing to try these new products. And there has been a lot of effort in trying to identify potential new products to use.

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| **Bottom line:**While transitioning to more sustainable products can be difficult, setting up a system to ensure the designated products are purchased with the required attributes is the key to success. |

**EPEAT Update** – Cate Berard (DOE-HQ Office of Sustainable Environmental Stewardship, AU-21)

Link to https://www.fedcenter.gov/\_kd/go.cfm?destination=Page&Pge\_ID=4139#1.0

Cate mentioned some trouble with the EPEAT registry in that the registry has some products that are outdated or no longer available or products that the manufacturer or another source said is EPEAT registered but are not actually in the registry yet. It is important to note that it is on the manufacturer’s shoulders to put the product on EPEAT, and that it is easy to do. There is no delay between the manufacturer submitting a product for registration and it appearing on the registry. Until it is actually on the EPEAT registry, it is not EPEAT-registered and not compliant.

It is acknowledged that the registry is somewhat cluttered, and this typically happens in the summer when new product come out and old products are discontinued. EPEAT is working on ways to clean up the registry, which may include an automated archiving of old products or perhaps confirming that a product should still be in the registry if it has been there for 1-2 years. But ultimately, it is the responsibility of the manufacturers to keep the EPEAT registry current. However, it is also on our shoulders to buy from the EPEAT registry such that the manufacturers are pressed to put their products up there.

For television manufacturers on EPEAT, it is just LG and Samsung. The two are considered sufficient competition, and therefore the mandate to buy EPEAT-registered televisions still stands. If LG or Samsung products do not meet your needs, you can fill out an exception form (<http://www.fedcenter.gov/_kd/Items/actions.cfm?action=Show&item_id=18069&destination=ShowItem>). For example, many people have wanted to buy very large televisions or monitors for conference rooms that may not be listed under televisions for EPEAT. It is recommended that you try looking under signage displays in the EPEAT Computers & Displays registry to see if there is a product listed in that category that meets your needs.

DOE updated the FedCenter FAQs regarding EPEAT for federal acquisition requirements (<https://www.fedcenter.gov/_kd/go.cfm?destination=Page&Pge_ID=4139#1.0>).

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| **Bottom line:*** While not all the televisions models staff want to purchase are EPEAT registered, we still need to purchase EPEAT registered equipment when possible and report those purchases.
* The exceptions of cost, availability, and performance are allowed, but, when looking for televisions, look under “signage displays” in the Computers & Displays EPEAT registry as well.
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**Adjourn**

**Next teleconferences**

* Dates for 2016 – Oct 27, Dec 1
* Notification reminder will be sent as a calendar invite
* Potential topics for the next teleconference. Please share your ideas with Shab Fardanesh (shabnam.fardanesh@hq.doe.gov) and Sandra Cannon (cannon@ecopurchasing.com)

**Contact Information for August 25, 2016 Teleconference**

Office of Sustainable Environmental Stewardship

Moderator: Shab Fardanesh – shabnam.fardanesh@hq.doe.gov, 202-586-7011

Technical Support: Sandra Cannon – cannon@ecopurchasing.com, 509-529-1535

Debut of Sustainable Acquisition Training for Federal Agencies

Claire Richardson – claire.richardson@greeningamerica.com, 703-859-4861

Energy Efficient Ultra-Low-Temperature Freezers for Labs

Brianna Durkin – brianna.dirkin@pnnl.gov, 509-371-7742

Kathleen Judd – kathleen.judd@pnnl.gov, 206-528-3330

Transitioning to Biobased Lubricants

Pam Hensley – pam.hensley@fbports.com, 740-897-2544

Lisa Burns – burnslisa05@gmail.com, 859-466-7834

EPEAT Update

Cate Berard – cate.berard@hq.doe.gov, 202-586-2334**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>