

DOE FY 2012 Sustainable Acquisition Priority Products and Attributes

Intended Use of this List:

This list of priority products and their attributes is intended for use by DOE sites to help identify environmentally preferable products for purchase, depending on appropriateness, to support the implementation of their Site Sustainability Plans, and Environmental Management Systems (EMS), and the meeting of DOE Strategic Sustainability Performance Plan (SSPP) goals.

Sites continue to be required to give preference to designated sustainable products (biobased-content, ENERGY STAR/FEMP, EPEAT, non-ozone depleting, recycled-content, water efficient, and other environmentally preferable attributes). However, PPTRS is no longer structured to track compliance with designated product purchasing. Instead, PPTRS reporting is designed to help sites focus attention on the priority products of greatest value to their operations.

Note that the leadership goals denoted below are not requirements. They are optional stretch goals that sites can use to help focus their sustainable acquisition efforts. This list can be tailored to the specific circumstances of a site, allowing sites to select which categories they should focus on. This list is also intended to assist sites in engaging with the vendor community and informing contract language and related reviews.

Reporting on priority product purchasing is optional. Product-level reporting is only required for EPEAT.

Optional Reporting - Priority Product Purchasing

To report satisfaction of a goal, tracking should include any item acquired for use on the site, including those purchased by subcontractors. Verification should involve all purchases of the product—not just those purchases meeting the goal. This could involve a random sample, provided that sample is statistically valid. A description of the verification and/or tracking process and any supporting materials should be included as part of the report. Reporting percentages can be based upon dollar amount or number of units, except where total installations are the metric (for example, compliant faucet installations). In reporting the percent, indicate whether it is based on the dollar amount or number of units.

Recommended Selection Criteria for Priority Products

1. Lower health and environmental impacts
2. Are purchased regularly and a significant part of DOE spending
3. Reduce maintenance costs

4. Reduce waste management costs
5. Perform and are readily available
6. Reinforce behavior change
7. Are covered by standards or labels reflecting multiple attributes (preferably third-party certified)
8. Conform to the Federal Guiding Principles for High Performance and Sustainable Buildings
9. Support LEED or other third-party green building certifications

Additional Information:

- Several paths are offered to meet many of the goals below. Some attempt has been made to list these in descending order in terms health and environmental impacts, starting with the most protective at the top. However, this is often a determination driven by site circumstances.
- Sites are also encouraged to factor manufacturer’s distance into their decision making process, to increase their ability to lower supply chain greenhouse gas emissions.
- The list will be updated yearly.

Product	Leadership Goal Description (D = designated)	Examples of Purchasing Vehicles
CAFETERIA		
Containers, Cutlery, Dishware	<p>Leadership Goal: Meet the following</p> <p><u>In-Cafeteria Service</u></p> <ul style="list-style-type: none"> • Durable <p><u>Take-Out Service (75% of purchases meet one or more of the following)</u></p> <ul style="list-style-type: none"> • EcoLogo 145 (Containers only) • D-BioPreferred <ul style="list-style-type: none"> ○ Containers 72% biobased content ○ Cutlery 48% biobased content ○ Dishware 72% biobased content • If composting available, 100% compostable 	
Food	Leadership Goal: 50% of purchases meet one or more of the	

Product	Leadership Goal Description (D = designated)	Examples of Purchasing Vehicles
	following: <ul style="list-style-type: none"> • Local (100-mile radius) • USDA Organic 	
CONSTRUCTION		
Adhesives	Leadership Goal: 75% of purchases meet one or more of the following: <ul style="list-style-type: none"> • EcoLogo 046 • SCAQMD Rule #1168 • GREENGUARD 	
Carpet	Leadership Goal: 95% of purchases meet one or more of the following: <ul style="list-style-type: none"> • EcoLogo 152 • ANSI Platinum NSF-140 (CRI Green Label Plus) • No VOCs or PVC • D-25% recycled content 	
Chillers – Air Cooled (scroll or screw compressor)	Leadership Goal: 75% of purchases meet the following: <ul style="list-style-type: none"> • D-FEMP Designated 	
Concrete	Leadership Goal: 75% of purchases meet one or more of the following: <ul style="list-style-type: none"> • Pervious • D-0-40% fly ash recycled content • D-0-50% blast furnace slag recycled content 	
Fiberboard, Gypsum, Panels, Wallboard	Leadership Goal: 75% of purchases meet one or more of the following: <ul style="list-style-type: none"> • No VOCs • GREENGUARD • EcoLogo 020 • D-100% PC recycled content • D-89% biobased content 	

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Flooring	<p>Leadership Goal: 75% of purchases meet one or more of the following:</p> <ul style="list-style-type: none"> • EcoLogo 152 • FloorScore • No PVC • D-90% PC recycled plastic/rubber 	
Insulation	<p>Leadership Goal: 75% of purchases meet one or more of the following:</p> <p><u>Batt</u> (steel frame with metal stud wall)</p> <ul style="list-style-type: none"> • No VOCs or fiberglass (LEED recommends cotton) <p><u>Foam</u> (preinsulated metal siding)</p> <ul style="list-style-type: none"> • GREENGUARD • D+ -23% biobased <p><u>Foam Board Rigid</u> (roof & concrete bldgs)</p> <ul style="list-style-type: none"> • No HBCDs or VOCs 	
Lighting – Fluorescent tubes	<p>Leadership Goal: 95% of purchases meet one or more of the following:</p> <ul style="list-style-type: none"> • D- FEMP-Designated • D-ENERGY STAR (when available) 	
Lighting: Commercial Down Light, Luminaires	<p>Leadership Goal: 95% of purchases meet one or more the following:</p> <ul style="list-style-type: none"> • D-FEMP Designated • D-ENERGY STAR (when available) 	
Lumber/Wood	<p>Leadership Goal: 75% of purchases meet one or more of the following:</p> <ul style="list-style-type: none"> • Salvaged lumber • Forest Stewardship Council Certified • No added urea-formaldehyde resins 	

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Paint	Leadership Goal: 75% of purchases meet one or more of the following: <ul style="list-style-type: none"> • EcoLogo 048 and/or Green Seal GS-43 • Maximum 50 grams/liter VOCs • D+-100% recovered material 	
Roof Coating	Leadership Goal: 75% of existing roofs are sealed with one or more of the following: <ul style="list-style-type: none"> • No VOCs • D-remanufactured • D+-50% biobased content 	
Showerheads	Leadership Goal: 75% of existing installations meet one or more of the following: <ul style="list-style-type: none"> • EcoLogo 029 • D-WaterSense 	
Water Heater	Leadership Goal: 90% of existing installations meet one or more of the following: <u>Heat pump</u> <ul style="list-style-type: none"> • EF 2 • D-ENERGY STAR • If heat pump not feasible, FEMP designated electric storage water heaters <u>Tankless</u> <ul style="list-style-type: none"> • D-ENERGY STAR 	

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CUSTODIAL		
Cleaners: Carpet, Glass, Hand, Multipurpose	Leadership Goal: 95% of purchases meet one or more of the following: <ul style="list-style-type: none"> • EcoLogo 104, 146, 148 and/or Green Seal GS-37, 41 • D-Biobased <ul style="list-style-type: none"> ○ Carpet Cleaner 54% biobased content ○ Glass Cleaner 49% biobased content ○ Hand Cleaner 64% biobased content ○ Multipurpose Cleaner 56% biobased content (Avoid use of disinfectant whenever possible)	
Floor Care	Leadership Goal: 95% of purchases meet one ore more of the following: <ul style="list-style-type: none"> • EcoLogo 147 and/or Green Seal GS-40 • D-78% biobased content 	
Plastic Trash Bags	Leadership Goal: 75% of purchases meet one or more of the following: <ul style="list-style-type: none"> • EcoLogo 126 • D+-70% PC recycled content 	
Tissue-Toilet	Leadership Goal: 95% of purchases meet one or more of the following: <ul style="list-style-type: none"> • EcoLogo 082 and/or Green Seal GS-01 • D+-80% PC recycled content 	
GROUNDS/LANDSCAPING		
De-Icer	Leadership Goal: 75% of purchases meet one or more of the following: <ul style="list-style-type: none"> • Sand • D-93% biobased content 	

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Dust Suppressant	Leadership Goal: 75% of purchases meet one of the following: <ul style="list-style-type: none"> • D-85% biobased content 	
Fertilizer	Leadership Goal: 95% of purchases meet one or more of the following: <ul style="list-style-type: none"> • 0% petroleum • D-recovered organic • D-71% biobased content 	
Herbicide	Leadership Goal: 75% of purchases meet the following: <ul style="list-style-type: none"> • No glyphosate (found in RoundUp and others) • 100% biobased content 	
Vegetation	Leadership Goal: 95% of purchases meet the following: <ul style="list-style-type: none"> • Xeriscape and/or native 	
OFFICE		
Binders	Leadership Goal: 90% of purchases meet one or more of the following: <ul style="list-style-type: none"> • D-25% PC recycled content 	
Bristols (cardstock)	Leadership Goal: 90% of purchases meet the following: <ul style="list-style-type: none"> • D-30% PC recycled content 	
Cartridges-Toner	Leadership Goal: 75% of purchases (by # of units or dollar amount, denoting method used) meet one or more of the following: <ul style="list-style-type: none"> • D-remanufactured • STMC • EcoLogo 039 	
Copy Paper	Leadership Goal: 100% of purchases: <ul style="list-style-type: none"> • D-30% PC recycled content • Consider specifying PC content AND EcoLogo 077 or Green Seal 07 	ICPT: 50% recycled content: BOA # RNI1996-BOA0001 https://icpt.llnl.gov/xpedx_boa.html

Product	Leadership Goal Description (D = designated)	Examples of Purchasing Vehicles
Electronic Equipment – Computers	Leadership Goal: 95% of purchases meet the following: <u>Desktops/Notebooks</u> <ul style="list-style-type: none"> • D+ - EPEAT Gold <u>Thin Client</u> <ul style="list-style-type: none"> • ENERGY STAR or EPEAT 	
Electronic Equipment – Computer Monitors	Leadership Goal: 95% of purchases meet the following: <ul style="list-style-type: none"> • D+ - EPEAT Gold 	
Electronic Equipment – Imaging Equipment (copiers, fax, printers, etc.), Televisions, Large Screens	Leadership Goal: 95% of purchases meet one or more of the following: <ul style="list-style-type: none"> • D+ - EPEAT Gold when available • EcoLogo 035 • D-ENERGY STAR 	
Electronic Equipment – Servers – Enterprise	Leadership Goal: 100% of existing installed meet the following: <ul style="list-style-type: none"> • D-ENERGY STAR 	
Furniture	Leadership Goal: 75% of purchases meet one or more of the following: <ul style="list-style-type: none"> • BIFMA Level 1 (32 points) or higher • EcoLogo 033 • GREENGUARD • D-recycled content 	
OPERATIONS/FLEET/SHIPPING/SHOP		
Batteries	Leadership Goal: 75% of purchases meet the following: <ul style="list-style-type: none"> • EcoLogo 133 • Rechargeable (Rechargers should be ENERGY STAR)	

Product	Leadership Goal Description (D = designated)	Examples of Purchasing Vehicles
Coolants	Leadership Goal: 75% of purchases meet one of the following: <ul style="list-style-type: none"> • D-reclaimed • D-89% biobased content 	
Hydraulic Fluids	Leadership Goal: 75% of purchases meet the following: <ul style="list-style-type: none"> • D-44% biobased content 	ICPT: BOA # 2008 ICPT-LUB 002 https://icpt.llnl.gov/elm_boa.html
Grease: Multipurpose Straight Oil Truck	Leadership Goal: 75% of purchases meet the following: <ul style="list-style-type: none"> • D-Biobased <ul style="list-style-type: none"> ○ Multipurpose Grease 72% biobased content ○ Straight Oil 66% biobased content ○ Truck Grease 71% biobased content 	
Metalworking Fluids: General Purpose, High Performance	Leadership Goal: 75% of purchases meet the following: <ul style="list-style-type: none"> • D-Biobased <ul style="list-style-type: none"> ○ General purpose fluid 57% biobased content ○ High performance fluid 40% biobased content 	
Oil General:	Leadership Goal: 75% of purchases meet one or more of the following: <ul style="list-style-type: none"> <u>Auto Oil</u> <ul style="list-style-type: none"> • EcoLogo 054 • D-50% re-refined <u>Chain and Cable Oil</u> <ul style="list-style-type: none"> • D-77% biobased content <u>Corrosion Preventative</u> <ul style="list-style-type: none"> • D-53% biobased content <u>Gear Oil</u> <ul style="list-style-type: none"> • D-58% biobased content <u>Multipurpose Oil</u> <ul style="list-style-type: none"> • EcoLogo 068/069 • D-80% biobased content <u>Penetrating Oil</u> 	<u>Penetrating</u> ICPT: BOA # 2008 ICPT-LUB 001 https://icpt.llnl.gov/terresolve_boa.html

Product	Leadership Goal Description (D = designated)	Examples of Purchasing Vehicles
	<ul style="list-style-type: none"> • D-88% biobased content 	
Packing Materials	<p>Leadership Goal: 75% of purchases meet one or more of the following:</p> <ul style="list-style-type: none"> • 0% Virgin Fiber • D-75% PC recycled paper 	
Parts Wash Solution	<p>Leadership Goal: 75% of purchases meet one or more of the following:</p> <ul style="list-style-type: none"> • EcoLogo 110 • D-65% biobased content 	
Sorbents	<p>Leadership Goal: 75% of purchases meet one or more of the following:</p> <ul style="list-style-type: none"> • D-100% recycled organics • D-90% PC recycled fiber • D-89% biobased content 	
Tires	<p>Leadership Goal: 75% of purchases meet the following:</p> <ul style="list-style-type: none"> • D-retreads for trucks and heavy equipment 	
OTHER		
Any	<p>Individual Site Leadership Goal: Submit your site's own Priority Product data if the product and/or attributes are not included in the list above and reflect the Criteria for Priority Products. Recognition in this category may be provided by HQ depending on circumstances described.</p>	

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Any	Purchasing Reduction Goal: Any significant product that was once frequently used and was eliminated by one or more of the following: <ul style="list-style-type: none"> • All purchasing was avoided by employing strategies of reuse, avoidance, or substitution (using an alternatives assessment) • Only used versions were purchased in place of new 	
Any	Technology Transfer Goal: Any product used on the site that was developed in whole or significant part by a DOE laboratory or site. <ul style="list-style-type: none"> • LED parking lot lighting http://www1.eere.energy.gov/buildings/alliances/parking_lot_lighting.html • EonCoat exterior coating (see http://www.buildinggreen.com/live/index.cfm/2011/1/20/EonCoat--A-Breakthrough-TwoPart-CorrosionResistant-Ceramic-Paint) • Grease gator (see http://www.solvent-systems.com/solvent/html/Grease_Gator_Aqueous_Cleaning_Solution.htm) 	

ABBREVIATIONS/SYMBOLS

D	Designated – Those products Federal agencies are required to give preference to which have been designated by the US Department of Agriculture for biobased products, US Department of Energy for FEMP products, US Environmental Protection Agency for ENERGY STAR, EPEAT, recycled content, and WaterSense products
D+	Designated product but the percent is more than designated because products are readily available on the market with the increased percent
HBCD	Brominated flame retardant hexabromocyclododecane
PC	recycled content
VOC	Volatile organic compound

STANDARDS

Multiple Attribute Standards

ANSI	American National Standards Institute certification of multiple products (http://www.ansi.org/)
BIFMA	Business and Institutional Furniture Manufacturers Association Certification of Furniture Sustainability Level 1, Standard e3-2011e (http://www.bifma.org/standards/index.html) (http://levelcertified.org)

EcoLogo	TerraChoice third party certification of multiple products (http://www.ecologo.org/en/seeourcriteria/) (Now ULEnvironment and referred to in LEED standards by its previous name of "Environmental Choice")
EPEAT	U.S. Environmental Protection Agency's Electronic Product Environmental Assessment Tool Program for registered electronic equipment (http://www.epeat.net)
Green Seal	Green Seal third party certification of multiple products (www.greenseal.org)
LEED	U.S. Green Building Council third-party certification of structures <ul style="list-style-type: none"> o Existing Buildings Operations & Maintenance Nov 2010 (https://www.usgbc.org/ShowFile.aspx?DocumentID=8184) o New Construction 2009 (https://www.usgbc.org/ShowFile.aspx?DocumentID=5546)
NSF-140	NSF International Sustainable Carpet Assessment Standard (http://www.carpet-rug.org/carpet-and-rug-industry/sustainability/sustainable-carpet/sustainable-carpet-list.cfm) (referred to by former name of CRI Green Label Plus Carpet Testing Program in LEED standards)
STMC	Standardized Test Methods Committee of the International Imaging Technology Council (http://www.i-itc.org/stmcompanies.htm)

Single Attribute Standards

BioPreferred	U.S. Department of Agriculture's BioPreferred Program for designated biobased products, which are third-party certified and have a separate labeling program <ul style="list-style-type: none"> o BioPreferred (http://www.biopreferred.gov/DesignationItemList.aspx?SMSESSION=NO) o Labeling Federal Register Notice (http://frwebgate2.access.gpo.gov/cgi-bin/PDFgate.cgi?WAISdocID=dHvA7Y/0/2/0&WAIAction=retrieve) o Labeling Fact Sheet (http://www.biopreferred.gov/files/BP.Biobased.Label.Factsheet.pdf?SMSESSION=NO)
CPG	U.S. Environmental Protection Agency's Comprehensive Procurement Guidelines Program for designated recycled content products (http://www.epa.gov/epawaste/conserves/tools/cpg/products/index.htm)
ENERGY STAR	U.S. Environmental Protection Agency's ENERGY STAR Program for qualified energy efficient products, which are labeled (http://www.energystar.gov/index.cfm?c=products.pr_find_es_products)
FEMP	U.S. Department of Energy's Federal Energy Management Program for designated energy efficient products (http://www.femp.energy.gov/procurement)
FloorScore	Resilient Floor Covering Institute in conjunction with Scientific Certification Systems third-party air emission certification of volatile organic compound free flooring and flooring adhesives (http://www.scscertified.com/gbc/floorscore.php)

GREENGUARD GREENGUARD third-party air emissions certification of formaldehyde free products (<http://www.greenguard.org>) (now ULEnvironment)

Organic U.S. Department of Agriculture's Organic Program for organic products, which are labeled (<http://www.ams.usda.gov/AMSv1.0/nop>)

SCAQMD South Coast Air Quality Management District Rule #1168 addresses volatile organic compounds in adhesives (<http://www.aqmd.gov/rules/reg/reg11/r1168.pdf>)

WaterSense U.S. Environmental Protection Agency's WaterSense Program for labeled water efficient products. Presently only the showerhead and urinal WaterSense standards are applicable for Federal facilities (<http://www.epa.gov/watersense/>)

Standards Comparisons

Ecolabel Index Big Room Inc. index of ecolabels (<http://www.ecolabelindex.com/ecolabels/>). Payment for use of the Ecolabel Index is required.

RPN Responsible Purchasing Network fact sheets (http://www.responsiblepurchasing.org/purchasing_guides/) that compare the various standards available for the product in question. Membership in RPN is required for access to this information or contact Corey Buffo (corey.buffo@hq.doe.gov).

- Cartridge-Toner (http://www.responsiblepurchasing.org/purchasing_guides/toner_cartridges/standards/)
- Cleaners (http://www.responsiblepurchasing.org/purchasing_guides/cleaners/standards/)
- Computers (http://www.responsiblepurchasing.org/purchasing_guides/computers/standards/)
- Food Services (http://www.responsiblepurchasing.org/purchasing_guides/food_services/index.php#Spe)
- Lighting (http://www.responsiblepurchasing.org/purchasing_guides/lighting/standards/)
- Office Electronics (http://www.responsiblepurchasing.org/purchasing_guides/office_electronics/standards/)
- Paint (http://www.responsiblepurchasing.org/purchasing_guides/paint/standards/)
- Paper (http://www.responsiblepurchasing.org/publications/09-11-04--RPN_Paper_Standards_Comparison_Chart.pdf)