

Sustainable Procurement 101

Definitions, Benefits & Best Practices



Anne Jackson, DGS
Mike Haifley, MDOT

Maryland Green Purchasing Committee



Project Partners



What are Environmentally Preferable Goods & Services?

“...products and services that have a lesser or reduced effect on human health and the environment when compared to competing products and services that serve the same purpose.”

Green Maryland Act of 2010



Environmentally Preferable Purchasing (EPP)

EPP =
Environment +
Price +
Performance



Green Products are...

- **Made with recycled content**
- **Highly energy efficient**
- **Designed to be long lasting**
- **Recyclable or compostable**
- **Made from renewable resources**
- **Less toxic than conventional goods**
- **Manufactured locally and responsibly**
- **Safely managed at the end of their life**



The 7 “Sins” of Greenwashing

Sin of Vagueness
“100% Natural”

No Proof
“Just trust us”

Irrelevance
“CFC-Free”

Hidden Trade-Off
Compostable food containers with “Teflon” coating

Fibbing
“Non-Toxic”

Lesser of Two Evils
Hybrid SUVs

Worshipping False Labels



www.sinsofgreenwashing.org

Best Practice: Require Claims to be Verified

“A bidder or offerer for a procurement contract with the Department of General Services shall certify in writing that any claims of environmental attributes made relating to a product or service are consistent with the Federal Trade Commission’s *Guidelines for the Use of Environmental Marketing Terms*”



Environmental Claims Validated Mark

Source: Green Maryland Act (2010)



Bid Specification Language

"Products/services purchased under this contract must be _____ certified or provide demonstrable proof of meeting the _____ standard and certification requirements.

*The _____ standard and certification requirements are available at
< _____ >."*

Multi-Attribute Certifications

EPEAT



e-Stewards



Green Seal



Fair Trade



Eco Logo



FSC



Single Attribute Certifications

Energy Star



Compostable



FEMP



Greenguard



WaterSense



Chlorine Free



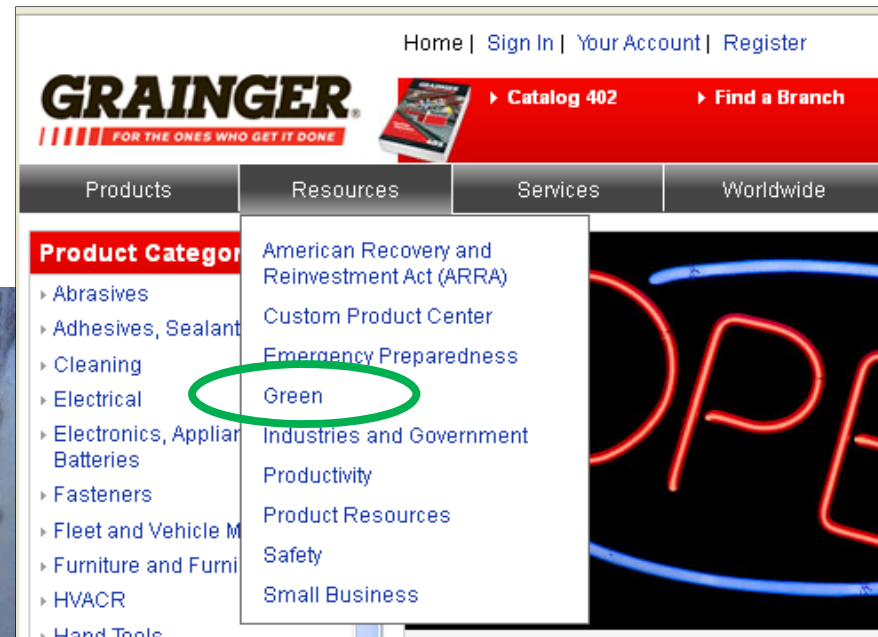
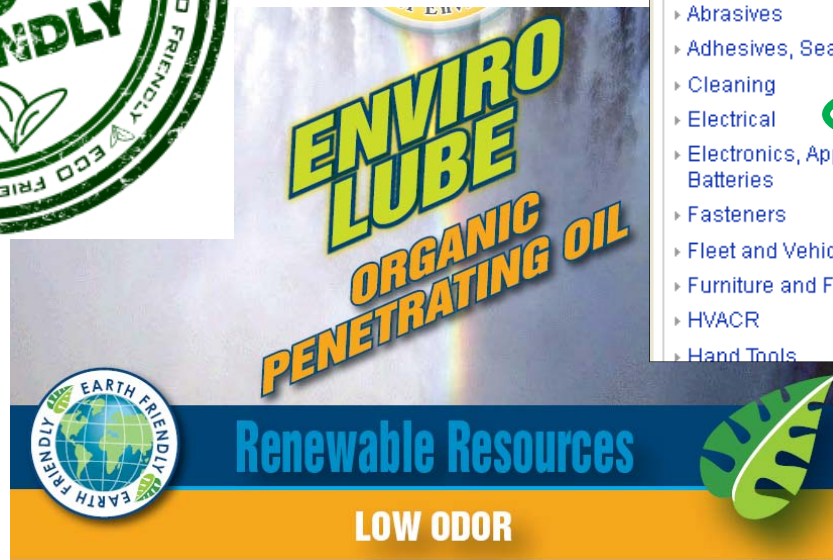
Biobased



Green-e



Manufacturer- or Retailer-created “Eco” Labels



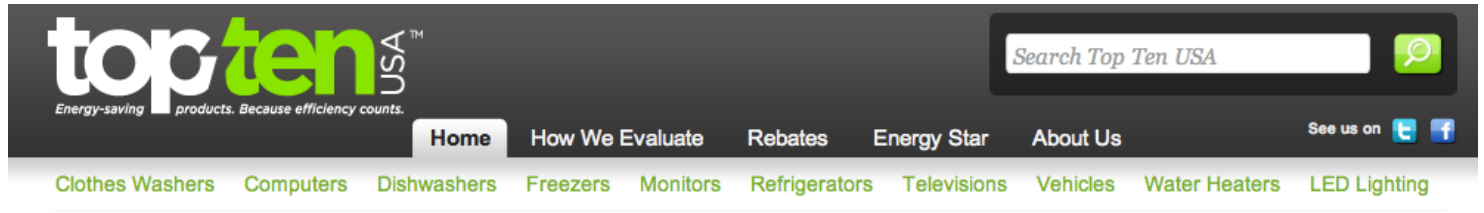
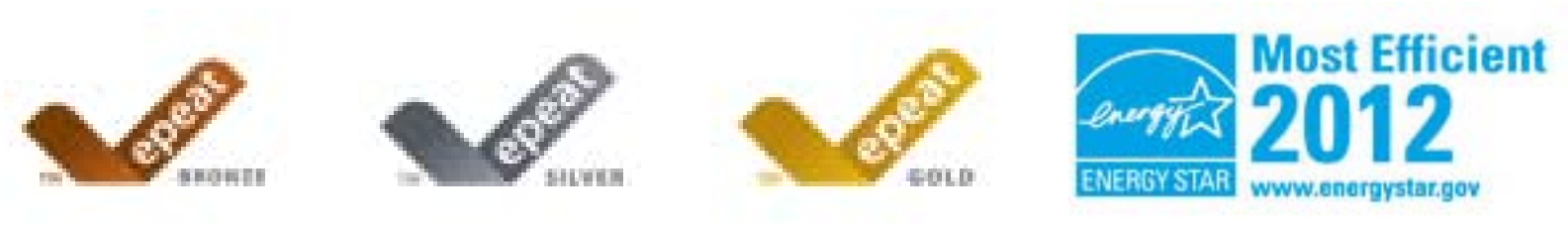
Shades of Green: How Much?

- **Recycled content**
- **Bio-based content**
- **Mercury content (in fluorescent lamps)**
- **Energy, fuel or water consumption**



Race to the Top

Tiered eco-labels set minimum threshold and encourage improvement



“Best Value” Procurement Favors Efficient Products

Considers overall (life-cycle) costs of ownership:

- **Initial price**
- **Utility costs (energy, water)**
- **Maintenance costs (labor and replacement)**
- **End-of-life costs (disposal and recycling)**



ENERGY STAR-rated LED Lamps

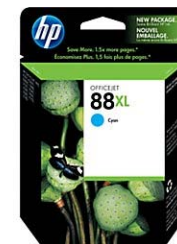
- **Energy-efficient**
(75% less than incandescent)
- **Long life** ($\geq 25,000$ hours rated life
=15X longer than incandescent;
3X longer than CFLs)
- **Mercury-free**



Qualified list: www.energystar.gov

Toner and Ink Cartridges

- **Evaluate toner/ink costs BEFORE purchasing imaging equipment**
- **Remanufactured toner/ink cartridges cost 30-60% less per copy than “virgin” cartridges**
 - ✓ **Need strict performance standards**
 - ✓ **Can support local jobs**
- **Require vendors to take-back empties to reduce disposal costs (ask for rebates)**
- **High-yield (X or XL) toner and ink cartridges reduce replacement costs**



Hand Dryers vs. Paper Towels

Cost of Hand Dryers vs Paper Towels

CALCULATE YOUR SAVINGS

Did you know that converting from paper towels to Hand Dryers could represent **COST SAVINGS**? No more repetitive paper towel purchases or labor costs to re-stock towel dispenser. No more cleaning up the towel mess or servicing the paper towel dispenser.

Fill in the shaded boxes and click "Calculate" to analyze the impact on your operation.

(*If the form is not working properly click the [printable version](#) and print the form manually*)

PAPER TOWEL COSTS	
Number of Cases of Paper Towels Used Annually	<input type="text"/>
Cost per Case Delivered (Include Freight and tax) (typically \$15.00 - \$25.00/case)	<input type="text"/>
Number of Towels per Case For example: 2,400/case for C-fold towels 4,000/case for Multi-fold towels 4,800 linear ft/case for Roll Towels	<input type="text"/>
Your KWH Rate (typically \$.10 per KWH)	<input type="text"/>
Total Paper Towel Costs per Year	<input type="text"/>
Handling Cost (50% of item 3 - Includes the cost of generating requisitions and purchase orders, receiving, storing, servicing towel dispensers, collecting and disposing of used towels.)	<input type="text"/>
TOTAL COST OF USING PAPER TOWELS PER YEAR	<input type="text"/>



HAND DRYER COSTS	
6. Number of paper towels used annually (Item 1 multiplied by total sheets per case)	<input type="text"/>
7. Number of Hand Drying annually (Item 6 divided by 2.5 towels per hand dry)	<input type="text"/>
8. Hours of hand dryer usage (Item 7 divided by 120 hand dries per hour) (Use 240 hand dries per hour for XLERATOR®)	<input type="text"/>
9. Cost of electricity per hour (2.2 KW multiplied by your KWH rate) (Use 1.5 KW for XLERATOR®)	<input type="text"/>
10. TOTAL ANNUAL HAND DRYER COSTS (Line 8 multiplied by Line 9)	<input type="text"/>
11. YOUR ANNUAL SAVINGS (Item 5 minus Item 10)	<input type="text"/>
COMPUTE YOUR % SAVINGS (Item 11 divided by Item 5)	<input type="text"/>

CALCULATE YOUR PAYBACK	
Cost of Each Dryer	<input type="text"/>
Installation Cost (Typically \$50 - \$125/dryer)	<input type="text"/>
Number of Hand Dryers Purchased (See Note Below)	<input type="text"/>

Cut Paper Consumption

Seattle's Paper Cuts Program

- **Set 30% paper reduction goal (vs. 2004)**
- **Established duplex printing standard**
- **Copy paper spec = 100% post-consumer recycled content/processed chlorine-free**
- **2010 => 36% reduction**
- **~\$80K annual savings (2009)**



Cut Battery Use ... and Waste

- **Batteries increase price and environmental impact of equipment**
- **Factor in cost of battery replacement and disposal when ordering equipment**
- **Rechargeable batteries work well for many applications and have quick payback**
- **Use industry-financed battery recycling program to reduce disposal costs**



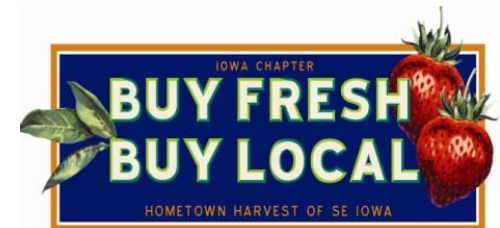
Best Practice: Reduce Packaging Impacts

- **Prohibit unsustainable packaging**
- **Encourage vendors to use reusable and easily recyclable packaging**
- **Buy concentrated and long-lasting products**
- **Consolidate orders**



Best Practice: Reduce Transportation Impacts

- **Avoid overnight shipping, whenever possible**
- **Ask vendors to offer incentives for reducing the frequency of deliveries**
- **Give preference to local manufacturers and distributors**



Best Practice: Specify Green Services



- **Incorporate “green” criteria into service agreements for landscaping, pest management, facility cleaning and maintenance, etc.**



- **Give preference to other certified green businesses**

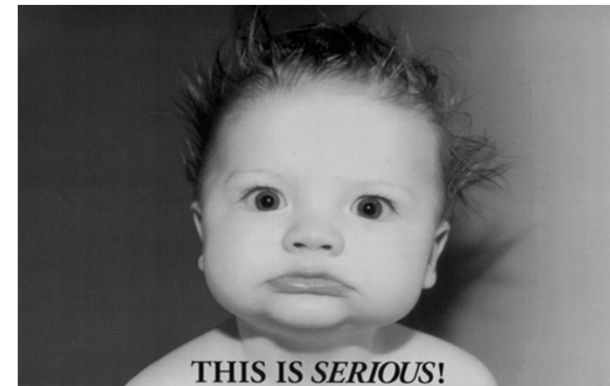
Best Practice: Require Vendors to Recycle

- **Shifts responsibility for recycling to product suppliers**
- **Creates efficient recycling infrastructure**
- **Encourages manufacturers to redesign their products**



Best Practice: Plan and Prioritize

- **Largest potential impact**
- **Ability to meet environmental/health goals**
- **Opportunities for change
(contracts re-bid)**
- **Ease of implementation
(use existing specs and
certifications)**
- **Potential to save money/create local jobs**



Best Practice: Green Your Market Basket List

- **Add “green” products to your core/market basket lists so they become eligible for vendor’s deepest discounts**
- **Remove non-green products from core/market basket list (or contract) to get better price breaks on green products**



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Best Practice: Cooperative Purchasing

WSCA
Western States Contracting Alliance

SITE SEARCH: [SEARCH](#)

[WSCA Home](#) |
 [NASPO](#) |
 [FAQ](#) |
 [Cooperative Purchasing](#) |
 [Vendor FAQ](#) |
 [WSCA Members Only](#)

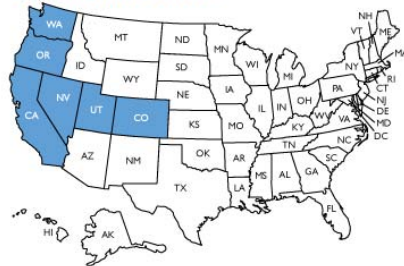


CURRENT COOPERATIVE CONTRACTS

JANITORIAL SUPPLIES AND INDUSTRIAL PAPER (WSCA-OR) W20-2007

BASIC CONTACT INFORMATION - LEAD STATE

PARTICIPATING STATES:



Affiliation: WSCA
Lead State: Oregon
Lead State Contract Number: 102-5031-5
Contact person: Pam Johnson
Phone: (503) 378-4731
Fax: (503) 373-1626
Email: pam.johnson@state.or.us

[LINK TO LEAD STATE WEBSITE](#)

U.S. COMMUNITIES™
GOVERNMENT PURCHASING ALLIANCE

Going Green Program

Public Services Alliance
California Communities
Canadian Communities
Compliance Services
U.S. Communities

SEARCH [GO](#)

[Upcoming Events](#)
[About Our Suppliers](#)
[Resources](#)
[Trainings/Seminars](#)
[Best Practices](#)
[Certifications & Standards](#)
[New Supplier Inquiry](#)

U.S. Communities Going Green Program is the one-stop source for public agency access to a broad line of responsible purchasing products, services and resources. In addition to our comprehensive contracts that offer eco-friendly products, agencies will find a wealth of valuable information and resources that will help lower your environmental impact within your community and will assist you in making educated decisions about the products your agency purchases.

MAKING ENVIRONMENTAL PURCHASING SIMPLER!

Think of **US** first for **PROVIDING SOLUTIONS**

U.S. Communities SOLUTIONS

Founding Co-sponsors:

OFFERING THOUSANDS OF "GREEN" BRANDS IN THE FOLLOWING CATEGORIES:

School Supplies	Education Furniture	
Office Supplies	Janitorial Supplies	
Technology Products	Park & Playground	
Electrical & Data Communications	Maintenance, Repair & Operating Supplies	
Technology Solutions	Auto Parts & Accessories	
Office Machines	Roofing Supplies & Services	
Office Furniture	Synthetic Turf & Athletic Surfaces	

WHAT'S HOT! WHAT'S NEW!

RPN U.S. Communities & Responsible Purchasing Network Partner to Promote Green Products on Cooperative Contracts.
 Responsible Purchasing Network
 What do you get when you combine aggregated influences of over 87,000 buyers with Responsible Purchasing Network's green purchasing programs? A powerful new resource for finding and buying credible green products through competitively solicited contracts. Full Details...



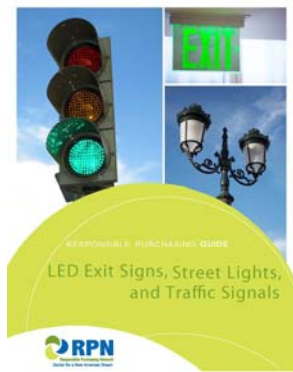
Save Time: Ask Suppliers to...

- **Accurately label their certified green products**
- **Conduct training and outreach**
- **Provide “green” spend reports**
- **Calculate environmental benefits/cost savings of purchasing their green products**



Resource: RPN

- *Responsible Purchasing Guides* for 15 product categories
- Webinars on “green” procurement issues
- Quarterly newsletter highlighting “green” purchasing activities and resources
- Sustainable purchasing policies and specifications
- *Model Responsible Purchasing Report*
- Calculators and other tools



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Resource: EPPNet



● State Information

● Projects

● Topic Areas

● Policy Positions

● Tools

● Membership

EPPnet

SUBSCRIBE TO NERC's ENVIRONMENTALLY PREFERABLE PRODUCTS PROCUREMENT LISTSERV (EPPnet)

The EPPnet listserv was established by the Northeast Recycling Council, Inc. (NERC) in 1998. EPPnet links federal, state, and local environmental officials; and private procurement specialists charged with purchasing green products and services and developing policies for the procurement of these products. EPPnet is intended to provide subscribers with quick access to information, such as: availability of

nerc.org/eppnet

- **Product specifications**
- **Vendors of green products**
- **Pricing information**
- **Strategies to meet green procurement goals**

Not available for private vendors



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Maryland Green Purchasing Committee Purchasing Guidelines

Green Purchasing Committee **information and resources**, including this presentation, can be found on the DGS website under the “BuyGreen” tab.

The screenshot shows the Maryland Department of General Services website. The header includes the Maryland state logo and the text "DEPARTMENT OF GENERAL SERVICES". Navigation tabs include HOME, ENERGY/CONSERVATION, MINORITY BUSINESS, SMALL BUSINESS, PRINTING SERVICES, and BUY GREEN. The main content area is titled "Maryland Green Purchasing" and features the BuyGreen logo, which depicts a hand holding a dollar sign and a recycling symbol. Below the logo, it identifies Alvin Collins as the Secretary of the Maryland Green Purchasing Committee. The page is organized into sections: Purpose and Scope, Sub-Committees, and a list of sub-committee responsibilities. A sidebar on the left contains links to various DGS services like the Interactive Map and Meet the Secretary. A content menu on the right lists items such as the Best Practices Manual and the 2011 Annual Report.

DEPARTMENT OF
MARYLAND GENERAL SERVICES

HOME ENERGY/CONSERVATION MINORITY BUSINESS SMALL BUSINESS PRINTING SERVICES BUY GREEN

Maryland Green Purchasing

Alvin Collins, Secretary
Maryland Green Purchasing Committee

Purpose and Scope

Maryland is continually seeking ways to conserve energy and preserve the environment, which can also result in substantial cost savings. Minimizing the environmental impact associated with manufacturing, using, and disposing of equipment and related consumables is a benefit for all Maryland citizens. The Maryland Green Purchasing Guidelines provide best practices for energy management and for obtaining, utilizing, and disposing of commodities necessary to carry out the function of state government.

The provisions of these guidelines apply to all units in the Executive Branch of the State of Maryland unless an exception has been previously approved.

Sub-Committees

- 1. Policy**
The Policy Sub-Committee is responsible for considering and implementing policy related to the Green Maryland Act. Regulations have been drafted that are to be considered through the regulatory process.
Greg Bedward, BPW gbedward@bpw.state.md.us
- 2. Specifications**
The Specifications Sub-Committee is responsible for creating the guidelines required by the Act.
Richard Norling, DNR rnorling@dnr.state.md.us
- 3. Reporting**
The Reporting Sub-Committee is responsible for establishing a mechanism to promote the annual reporting of the types and quantities of materials recycled and the production and submission of the report to MDE.
Bill Kamberger, MDE bkamberger@mde.state.md.us
- 4. Strategy/Intergovernmental Relations**
The Strategy Sub-Committee is responsible for addressing inter-governmental issues and coordinating with other State and Federal agencies. It is also responsible for developing and delivering training materials and developing a strategy for training all State agency Procurement Officers. The sub-committee is responsible for engaging people across the State in the process.
Mike Hailey, MDOT mhailey@mdot.state.md.us
- 5. Marketing/Communications**
The Marketing & Communications Sub-Committee is responsible for developing the Green Purchasing Committee marketing strategy and campaign. The sub-committee also plays an integral part in the development of the Green Purchasing Committee website and the annual report.
TBD

Content

- Best Practices Manual
- Purchasing Guidelines for Selecting Environmentally Preferable Products
 - Desktops, Laptops and Monitors
 - Enabling Power-Saving Settings
 - Copiers, Fax Equipment, Printers, Multi-Function Devices
 - Toner Cartridges
 - Data Center Energy Management
 - Equipment Disposal
 - Cleaning Supplies and Janitorial Services
 - Indoors Lighting, Lamps and Fixtures
 - Bottled Water
- Preferred Providers
- Acceptable Recycled Products
- Relevant Legislation
- Reporting Requirements

Download 2011 Annual Report



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- Indoor Lighting Lamps and Fixtures
- Bottled Water
- Packaging
- Food and Beverage Containers and Utensils



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Maryland Green Purchasing Committee Purchasing Guidelines

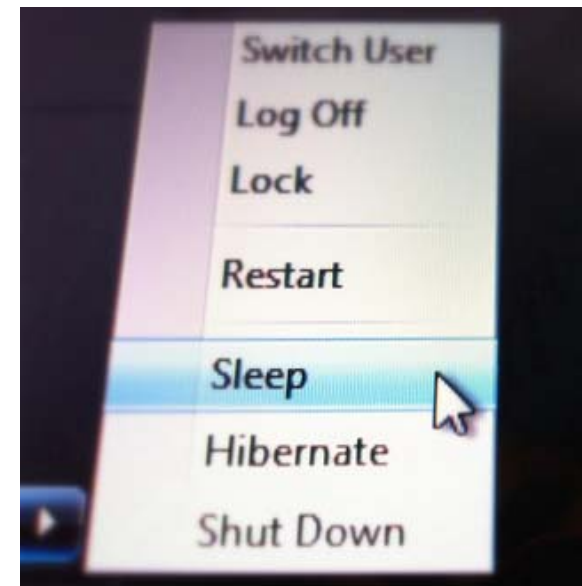
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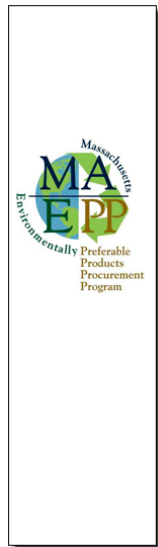
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Other State Green Purchasing Resources



Recycled and Environmentally Preferable Products and Services Guide

Massachusetts Statewide Contracts
Operational Services Division

Volume XXXVIII
February 1, 2011



Home | WATER | AIR | WASTE | CLEANUP | TOXIC HAZARDS | GREEN | About Us | Jobs

Programs | Services | Publications | Databases | Laws & Rules | Calendar | Public Records

Beyond Waste

BEYOND WASTE HOME
Why Beyond Waste
News and Trends
Progress Report
Contact Us

How to & Examples
Organic Resource Recycling
Green Building
Environmentally Preferable Purchasing

How to Buy Products
EPP Resource Guides
Product Attributes
Laws & Directives
Standards & Certifications

Toxics Reduction
Local Solid Waste & Hazardous Waste Plans

Beyond Waste home > EPP > Product Fact Sheets > Electronic Products

Environmentally Preferable Purchasing

Electronic Products

This product fact sheet provides information on purchasing desktop computers, notebooks, and monitors based on their environmental attributes.

Computers and Computer Equipment

For further EPP assistance and resources, contact

Karin Kraft Email: kakr461@ecy.wa.gov (360) 407-6693
Tina Simcich Email: tisi461@ecy.wa.gov (360) 407-7517

Automotive Products & Vehicles
Building Materials and Lamps
Cleaning Products
Electronic Products
Landscape

BUYING GREEN California's Guide for Sustainable Purchasing

Buying Green Home > Buying Green Guide for Buyers

- Procurement Home
- Programs & Services
- Forms
- Resources
- News & Events
- About Us

Buyers

Buyers should strive to procure goods and services that protect human health and the environment. The information provided in this guide is to help buyers understand environmentally preferable purchasing (EPP) – buying green. "Buy Green Now" is the gateway to EPP contracts.

- Laws and Regulations +
- Policy and Guidance +
- Specifications and Certifications +
- Striving for Best Value +
- References and Resources +

Print View

Multi-Attribute Certifications

EPEAT



e-Stewards



Green Seal



Fair Trade



Eco Logo



FSC



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Electronic Product Environmental Assessment Tool (EPEAT)



Home

Your resource for greener electronics

EPEAT® is a comprehensive environmental rating that helps identify greener computers and other electronic equipment. [View the EcoBenefits](#) of purchasing greener EPEAT-registered electronics (NEW!).

The EPEAT system was conceived and developed through the collaboration of stakeholders from the business, advocacy, government and academic arenas.

EPEAT is used by hundreds of companies, universities and government agencies in dozens of countries. Its rigorous requirements and searchable product database let buyers bypass marketing hype and confusing specifications.

For participating manufacturers, EPEAT is a chance to showcase and validate greener designs and cleaner production.

Announcements

- » Verification Round 2013-01 Launched
- » EPEAT Television Conformity Assessment Protocols Final
- » PC/Display Verification 2012-05 Report Published
- » EPEAT Online Trainings and Live Webinars Available

Latest News

- » Waste & Recycling News: EPEAT Registry Expands
- » Green IT Review: EPEAT green certification expands





Electronic Product Environmental Assessment Tool (EPEAT) Scope

EPEAT® is a comprehensive environmental rating that helps identify greener computers and other electronic equipment.

The EPEAT system was conceived and developed through the collaboration of stakeholders from the business, advocacy, government and academic arenas. Its rigorous requirements and searchable product database let buyers bypass marketing hype and confusing specifications.

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Electronic Product Environmental Assessment Tool (EPEAT) Product Categories Covered

DEVICE CATEGORY

Computers & Displays ▾

* PRODUCT TYPE

- | | |
|--|---|
| <input type="checkbox"/> DESKTOPS | <input type="checkbox"/> DISPLAYS |
| <input type="checkbox"/> NOTEBOOKS | <input type="checkbox"/> INTEGRATED DESKTOP COMPUTERS |
| <input type="checkbox"/> WORKSTATION DESKTOPS | <input type="checkbox"/> THIN CLIENTS |
| <input type="checkbox"/> WORKSTATION NOTEBOOKS | <input type="checkbox"/> TABLET NOTEBOOKS |

DEVICE CATEGORY

Imaging Equipment ▾

* PRODUCT TYPE

- | | |
|--|---|
| <input type="checkbox"/> COPIER | <input type="checkbox"/> DIGITAL DUPLICATOR |
| <input type="checkbox"/> FACSIMILE MACHINE (FAX MACHINE) | <input type="checkbox"/> MAILING MACHINE |
| <input type="checkbox"/> MULTIFUNCTION DEVICE (MFD) | <input type="checkbox"/> PRINTER |
| <input type="checkbox"/> SCANNER | |



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Electronic Product Environmental Assessment Tool (EPEAT) Sample Specification Language

All desktops, laptops, and computer monitors provided under this contract are required to have achieved Bronze registration or higher in the EPEAT system in [the USA]. EPEAT is a procurement tool designed to help large volume purchasers evaluate, compare, and select electronic products based upon their environmental attributes as specified in the consensus-based IEEE Standard for the Environmental Assessment of Personal Computer Products (IEEE 1680.1).

[Purchaser] will prefer products that have achieved EPEAT Silver or EPEAT Gold registration. The EPEAT registration criteria and a database of all registered products are provided at <http://www.epeat.net>.

Suppliers are required to block non-EPEAT registered products on their electronic catalogs or web portals that customers may buy from through this contract.

Suppliers are required to provide [quarterly/semiannual/annual] reporting on the number of EPEAT registered products purchased under this contract. For each piece of equipment sold, EPEAT Registration Status (i.e. Bronze, Silver, Gold or Unregistered) must be provided.



Sustainable Purchasing 101/102



Green Seal

GREEN SEAL

- about green seal
- green living
- green business
- green governments & non-profits
- news, events & publications
- find green seal products & services

GREEN SEAL

The Original Green Seal of Approval Since 1989

Green Seal uses science-based programs to empower consumers, purchasers, and companies to create a more sustainable world.

About Us Get Involved Contact Us

find the right solution for:

- consumers
- companies
- institutions

find the green seal

get certified

our standards

Search Site

latest news

Hotels & Green Marketing with Updated FTC Green Guides - A guest blog post by GS President Arthur Weissman in HOTELS Magazine

Is Your Cleaning Contractor Green? - An article featuring Green Seal in Environmental Leader

We've released GS-48 & GS-51 - New standards for laundry care for household and I&I cleaning.
[Read the Press Release](#)

[Read More News](#)



Sustainable Purchasing 101/102



Green Seal **Scope**

Green Seal is a non-profit organization that uses science-based programs to empower consumers, purchasers and companies to create a more sustainable world.

Green Seal was founded in 1989, when there were no other environmental certification programs in the US, to develop a tool to help shoppers find truly green products. The Green Seal stands for absolute integrity and over the years has grown to symbolize environmental leadership by continuing to represent unquestionably green products and services.



Sustainable Purchasing 101/102



Green Seal Product Categories Covered



Household Products (GS-8, GS-21)



Construction Materials & Equipment (GS-13, GS-31, GS-36)



Paints & Coatings (GS-11, GS-43, GS-47)



Printing & Writing Paper (GS-7, GS-10, GS-15)



Cleaning Services (GS-42 & GS-49)



Hotels & Lodging Properties (GS-33)



Paper Towels, Napkins & Tissue Paper (GS-1, GS-9)



Food Packaging (GS-18, GS-35)



Institutional Cleaning Products (GS-34, GS-37, GS-40, GS-53)



Hand Soaps & Cleaners (GS-41)



Personal Care Products (GS-50)



Green Seal Scope – Institutional Cleaners (GS-37)



- *Low toxicity*
- *No cancer-causing ingredients*
- *No asthmagens*
- *Not corrosive to eyes or skin or skin sensitizer*
- *Won't pollute air or deplete ozone layer*
- *Won't kill fish*
- *Low phosphorous*
- *Will biodegrade*
- *Package recyclable*
- *Available as concentrate*
- *Limits on fragrances used*
- *Certain ingredients prohibited*
- *Performance tested*
- *Vendor training available*

Sustainable Purchasing 101/102



Eco Logo

search ▶

EcoLogo
PART OF THE UL GLOBAL NETWORK

Third-party certification of environmentally-preferable products

EcoLogo

▶ Green Products ▶ Get Certified ▶ Our Standards ▶ News & Resources ▶ Partnerships

Get Certified

EcoLogo is North America's largest, most respected environmental standard and certification mark.

▶ Are you an environmental leader? Get EcoLogo-certified...

About EcoLogo

Founded in 1988 by the Government of Canada but now recognized world-wide, EcoLogo™ is North America's largest, most respected environmental standard and certification mark. EcoLogo provides customers – public, corporate and consumer – with assurance that the products and services bearing the logo meet stringent standards of environmental leadership. With THOUSANDS of EcoLogo Certified products, EcoLogo certifies environmental leaders covering a large variety of categories, helping you find and trust the world's most sustainable products.

The **EcoLogo Program** is a Type I eco-label, as defined by the International Organization for Standardization (ISO). This means that the Program compares products/services with others in the same category, develops rigorous and scientifically relevant criteria that reflect the entire lifecycle of the product, and awards the EcoLogo to those that are verified by an independent third party as complying with the criteria.

The **EcoLogo Program** is one of two such programs in North America that has been successfully audited by the Global EcoLabelling Network (GEN) as meeting ISO 14024 standards for eco-labelling.

◀ ShareThis!

Press Releases

- Second edition of EcoLogo Toy Standard released. [more...](#)
- New EcoLogo Printing Cartridges Standard [more...](#)
- Help revise EcoLogo's Sanitary Paper Standard. [more...](#)

[more ▶](#)

FAQs

- [How do I know that EcoLogo is a legitimate eco-label?](#)
- [Where can I browse for EcoLogo products and services?](#)
-

[more ▶](#)



Sustainable Purchasing 101/102



Eco Logo Scope

Founded in 1988 by the Government of Canada but now recognized worldwide, EcoLogo is North America's largest, most respected environmental standard and certification mark. EcoLogo provides customers – public, corporate and consumer – with assurance that the products and services bearing the logo meet stringent standards of environmental leadership.

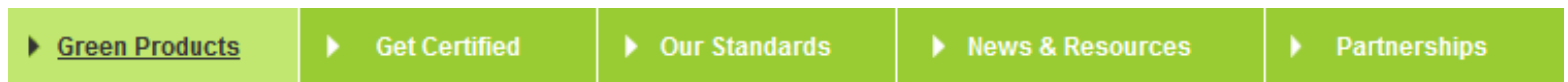
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Sustainable Purchasing 101/102



Eco Logo Product Categories Covered



Professional Purchasers: Search Green Products and Services

The EcoLogo Program site is one tool you can use to help make greener purchasing decisions. Browse for trusted green products and services.

Filter by Category:

Select One

- Select One
- Automotive Related Products & Services
- Building & Construction Products
- Cleaning & Janitorial Products
- Consumer Products
- Containers, Packaging, Bags & Sacks
- Electricity Products
- Events
- Fuels, Lubricants & Related Products
- Marine Products
- Office Furniture, Equipment & Business Products
- Printing Products & Services
- Pulp & Paper Products
- Services



[About EcoLogo](#) | [Contact Us](#) | [Terms of Use](#) | [Site Map](#) | [Home](#) | [ul.com](#) | [Français](#)

EcoLogo is managed by [TerraChoice](#)



Sustainable Purchasing 101/102



e-Stewards



The screenshot shows the e-Stewards website homepage. At the top, there is a navigation menu with links: Home, About us, Find e-Stewards Recyclers, The e-waste crisis, Recycling resources, e-Stewards Certification, News + Media, and Blog. The main header features the e-Stewards logo and the tagline "THE GLOBALLY RESPONSIBLE WAY TO RECYCLE YOUR ELECTRONICS". Below the header is a large image of a young child sitting in a field of electronic waste. A text overlay on the image reads: "Dioxins in Guiyu, China have been estimated at 5000% of safe levels." Below the image, there are three columns of content: "Latest News:" with a list of four news items, "Find an e-Stewards® Recycler" with a map of North America showing numerous recycling locations, and "The Story of Electronics" with an illustration of a person recycling and a sign that says "e-Stewards RECYCLE". At the bottom right, there is a "Sign up for the e-Stewards® newsletter!" link and social media icons for Facebook and Twitter.



Sustainable Purchasing 101/102



e-Stewards Scope

The e-Stewards Initiative is a project of the Basel Action Network (BAN), which is a 501(c)3 non-profit, charitable organization of the United States, based in Seattle, Washington. It is against the backdrop of the growing e-waste crisis that the e-Stewards Initiative was born.

The e-Stewards Standard for Responsible Recycling and Reuse of Electronic Equipment® is an industry-specific environmental management system standard designed as the basis for the e-Stewards Certification. It was developed with detailed input from experts in the recycling and asset recovery industries, the environmental community, occupational health and safety professionals, and the certification and accreditation industries.



Sustainable Purchasing 101/102



e-Stewards Services Covered

While there are other guidelines written for the recycling industry, the e-Stewards Standard is the only e-waste standard that:

- Is "All-In-One" – encompasses a certified ISO 14001 environmental management system and R2 (Responsible Recycling) Practices.*
- Prohibits all toxic waste from being disposed of in solid waste landfills and incinerators*
- Requires full compliance with existing international hazardous waste treaties for exports and imports of electronics, and specifically prohibits the export of hazardous waste from developed to developing countries*
- Prohibits the use of prison labor in the recycling of toxic electronics, which often have sensitive data embedded*
- Requires extensive baseline protections for and monitoring of recycling workers in every country, including developed nations where toxic exposures are routinely taking place*
- Is written for international use*



Sustainable Purchasing 101/102



Forest Stewardship Council (FSC)

The screenshot shows the FSC website homepage with a dark green header containing the FSC logo and navigation links: Newsroom, Resources, FSC International, and FSC Worldwide. Below the header is a search bar and a menu with categories: What We Do (OUR IMPACT), Who We Are (ABOUT US), Certification (OUR SYSTEM), Market (CHOOSE RESPONSIBLY), and Get Involved (CONNECT & LEARN). The main content area features three columns: 'Promoting the responsible management of forests worldwide', 'Environmentally Appropriate' (Protecting and maintaining natural communities and high conservation value forests), 'Socially Beneficial' (Respecting the rights of workers, communities and indigenous peoples), and 'Economically Viable' (Building markets, adding best value, and creating equitable access to benefits). Below this are four columns: 'Donate Now!', 'Looking for FSC International?', 'Latest News About FSC & LEED v4', and 'Latest Facts & Figures' (As of February 2013: 172,100,000 acres certified in the US and Canada, 4,464 companies certified in the US and Canada). The bottom section is divided into 'News', 'Events', and 'Technical Updates', each with a featured article and a 'READ MORE' link. A 'Thank You To Our 2012 Greenbuild' banner is at the bottom.





Forest Stewardship Council (FSC) Sample Specification Language

FSC certification ensures that products come from responsibly managed forests that provide environmental, social and economic benefits.

The FSC system includes two different types of certificates: Forest Management and Chain of Custody. Forest Management certification is awarded to forest managers or owners whose management practices meet the requirements of the FSC US Forest Management Standard.

Chain-of-Custody certification applies to manufacturers, processors and traders of FSC-certified forest products. It ensures the validity of claims associated with all FSC-certified material and products throughout the production chain.

To achieve its mission and vision, FSC has developed a set of 10 principles and 57 Criteria that apply to FSC-certified forests around the world.

Sustainable Purchasing 101/102



Forest Stewardship Council (FSC) Sample Specification Language

Product classification:

Level 1: All

Level 2: All

Level 3: N1 Barks

Species: ?

State/County:

Country: ?

Status: ?

N2 Soil conditioner and substrates

N3 Cork and articles of cork

N4 Straw, wicker, rattan and similar

N5 Bamboo and articles of bamboo

N6 Plants and parts of plants

N7 Natural gums, oils and derivatives

N8 Chemical, medicinal and cosmetic

N9 Food

N10 Other Non Timber Forest Products n.e.c.

P1 Pulp

P2 Paper

P3 Paperboard

P4 Corrugated paper and paperboard

P5 Packaging and wrappings of paper

P6 Household and sanitary products

P7 Stationery of paper

P8 Printed materials

P9 Bobbins, spools, rolls and similar

P10 Other pulp and paper products n.e.c.

W1 Rough wood

W2 Wood charcoal

W3 Wood in chips or particles

W4 Impregnated/treated wood

W5 Solid wood (sawn, chipped, peeled)

W6 Products from planing mill

W7 Veneer

W8 Wood panels

W9 Engineered wood products

W10 Wood package and similar

W11 Wood for construction

W12 Indoor furniture

W13 Outdoor furniture and gardening

W14 Musical instruments

W15 Recreational goods

W16 Household articles

W17 Stationery of wood

W18 Other manufactured wood products

W19 Other wood products n.e.c.

FSC Trademark © FSC Fo

CR-0002



Sustainable Purchasing 101/102



Fair Trade




- What is Fair Trade?**
Global Reach, Impact
- About Fair Trade USA**
Mission, Who We Are
- Products & Partners**
Research, Licensed
- Certification & Your Business**
Producers, Services
- Community**
Blog, Promos, Organize
- Press Room**
Press Releases, Press Kit
- Resources**
Logos, Impact Reports, Points of Sale

Products Licensed Partners Innovation

- Apparel & Linens
- Beans & Grains
- Body Care
- Cocoa
- Coffee
- Flowers & Plants
- Fruits & Vegetables
- Herbs & Spices
- Honey
- Multi-Ingredient Foods
- Nuts & Oilseeds
- Spirits
- Sports balls
- Sugar
- Tea
- Wine

APPAREL & LINENS



Fair Trade expands from the kitchen to the closet with introduction of Fair Trade Certified apparel. For the first time, U.S. consumers can walk into a store and choose an ethical tee over one made in a sweatshop.

[READ MORE ABOUT APPAREL & LINENS](#)



Sustainable Purchasing 101/102



Fair Trade Scope

Fair Trade USA is a 501 (c) (3) nonprofit organization and the leading third-party certifier of Fair Trade products in the United States. Fair Trade USA uses a market-based approach that gives farmers fair prices, workers safe conditions, and entire communities resources for fair, healthy and sustainable lives. Fair Trade USA also provides farmers in developing nations the tools to thrive as international business people, instead of creating dependency on aid.



Sustainable Purchasing 101/102



Fair Trade Product Categories Covered

Apparel & Linens	Fruits & Vegetables	Sports balls
Beans & Grains	Herbs & Spices	Sugar
Body Care	Honey	Tea
Cocoa	Multi-Ingredient Foods	Wine
Coffee	Nuts & Oilseeds	
Flowers & Plants	Spirits	

Single Attribute Certifications

Energy Star



Compostable



FEMP



Greenguard



WaterSense



Chlorine Free



BioPreferred



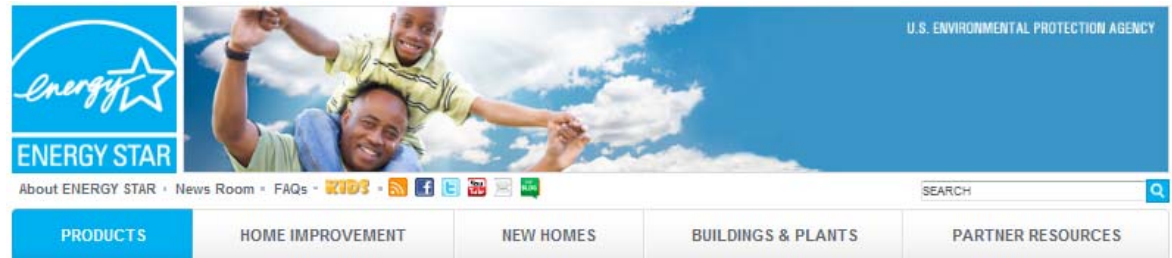
Green-e



Sustainable Purchasing 101/102



Energy Star



Home > Products

ENERGY STAR Qualified Products

Save energy and fight climate change with ENERGY STAR qualified products. They use less energy, save money, and help protect the environment.



Features

ENERGY STAR PRODUCTS
20 YEARS OF HELPING AMERICA SAVE ENERGY
SAVE MONEY AND PROTECT THE ENVIRONMENT

- ENERGY STAR Products 20th Anniversary Retrospective
- Learn about Tax Credits
- Make A Change
- Heating & Cooling Efficiently
- Heating Season Footprint

For 20 years, ENERGY STAR products have helped Americans save energy, save money and reduce their carbon footprints. Explore this compelling retrospective on the powerful public-private partnership that built a globally recognized consumer brand and transformed the market for energy-efficient products. Download the [Retrospective](#) (3.1MB) or [order a hard copy](#).

News

- EPA Offers Energy Tips on Summer Cooling to Help Save Money, Reduce Pollution
- EPA Announces New Addition to ENERGY STAR Commercial Fryers Category
- Join the ENERGY STAR Video Challenge

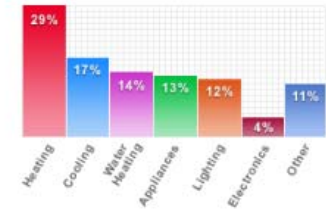
[All News](#) | [All Podcasts](#)

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Where Does My Money Go?

The annual energy bill for a typical single family home is approximately \$2,200.

[See Details >](#)



Tip of the Day

March 25, 2013

Use the bathroom vent fan after a shower to reduce humidity and help CFLs last longer

[GET TIP OF THE DAY](#)



Sustainable Purchasing 101/102



Energy Star Scope

ENERGY STAR is a trusted, government-backed program for energy efficiency.

The ENERGY STAR label was established to:

Reduce greenhouse gas emissions and other pollutants caused by the inefficient use of energy; and

Make it easy for consumers to identify and purchase energy-efficient products that offer savings on energy bills without sacrificing performance, features, and comfort.

Products are independently certified and earn the ENERGY STAR label by meeting the energy efficiency requirements set forth in ENERGY STAR product specifications.



Sustainable Purchasing 101/102



Energy Star Product Categories Covered

All Products			
For Your Home	Business & Government	Products in Development	Can't Find a Product?
Building Products <ul style="list-style-type: none">» Seal and Insulate» Roof Products» Windows, Doors and Skylights	Commercial Food Service Equipment <ul style="list-style-type: none">» Commercial Kitchen Package» Commercial Dishwashers» Commercial Fryers» Commercial Griddles» Commercial Hot Food Holding Cabinets» Commercial Ice Machines» Commercial Ovens» Commercial Refrigerators & Freezers» Commercial Steam Cookers	Computers <ul style="list-style-type: none">» Computers» Displays ?» Enterprise Servers» Imaging Equipment ?» Uninterruptible Power Supplies Electronics <ul style="list-style-type: none">» Audio/Video» Cordless Phones» Set-top Boxes & Cable Boxes» Televisions Battery Chargers ? <ul style="list-style-type: none">» Handheld Vacuums with Qualified Chargers» Personal Care Products with Qualified Chargers» Power Tools with Qualified Chargers» Yard Care Tools with Qualified Chargers	Heating & Cooling <ul style="list-style-type: none">» Air Conditioning, Central» Boilers» Fans, Ventilating» Heat pumps, Geothermal» Light Commercial Heating & Cooling Lighting <ul style="list-style-type: none">» Commercial LED Lighting» Light bulbs» Light Fixtures Water Heaters <ul style="list-style-type: none">» Water Heater, Gas Condensing» Water Heater, Heat Pump» Water Heater, High Efficiency Gas Storage» Water Heater, Solar» Water Heater, Whole Home Gas Tankless



Sustainable Purchasing 101/102



Energy Star Sample Specification Language

ENERGY EFFICIENCY IN ENERGY-CONSUMING PRODUCTS (DEC 2007)

- (a) *Definition. As used in this clause—"Energy-efficient product" means a product that—*
- (1) Meets Department of Energy and Environmental Protection Agency criteria for use of the Energy Star® trademark label; or*
 - (2) Is in the upper 25 percent of efficiency for all similar products as designated by the Department of Energy's Federal Energy Management Program.*
- (b) *The Contractor shall ensure that energy-consuming products are energy efficient products (i.e., ENERGY STAR products or FEMP designated products) at the time of contract award, for products that are—*
- (1) Delivered;*
 - (2) Acquired by the Contractor for use in performing services at a Government facility;*
 - (3) Furnished by the Contractor for use by the Government; or*
 - (4) Specified in the design of a building or work, or incorporated during its construction, renovation, or maintenance.*
- (c) *The requirements of paragraph (b) apply to the Contractor (including any subcontractor) unless—*
- (1) The energy-consuming product is not listed in the ENERGY STAR Program or FEMP; or*
 - (2) Otherwise approved in writing by the Contracting Officer.*
- (d) *Information about these products is available for—*
- (1) ENERGY STAR at <http://www.energystar.gov/products>; and*
 - (2) FEMP at www.femp.energy.gov/technologies/eep_purchasingspecs.html.*



Sustainable Purchasing 101/102



Energy Star Case Study

Chicago, IL public housing authority cut its annual electricity bill \$500,000 by purchasing 10,000 ENERGY STAR-rated refrigerators



The US Air Force has approximately 525,000 computers in us. It undertook a power management implementation and reporting program beginning in 2009, completed in 2010, to ensure 95% of all computers and monitors are ENERGY STAR qualified, with anticipating savings of \$15 million annually.



Sustainable Purchasing 101/102



Federal Energy Management Program (FEMP)

The screenshot shows the FEMP website interface. At the top, it features the U.S. Department of Energy logo and the text 'Energy Efficiency & Renewable Energy'. The main navigation bar includes links for HOME, ABOUT THE PROGRAM, PROGRAM AREAS, LAWS & REGULATIONS, INFORMATION RESOURCES, PROJECT FUNDING, TECHNOLOGIES, SERVICES, and NEWS & EVENTS. The current page is 'Energy-Efficient Product Procurement'. On the left, there is a sidebar with links for 'Energy-Efficient Products', 'Federal Requirements', 'Covered Product Categories', 'Product Designation Process', 'Low Standby Power', 'Energy & Cost Savings Calculators', 'Model Acquisitions Language', 'Working Group', 'Resources', 'Technology Deployment', and 'Renewable Energy'. The main content area has a heading 'Energy-Efficient Product Procurement' and a sub-heading 'Commit to Efficiency'. The text explains that federal agencies are required to procure energy-efficient products and that FEMP helps purchasers comply by identifying energy- and water-efficient products. A call to action asks users to 'Pledge' their commitment to energy efficiency. A list of resources includes federal requirements, covered product categories, product designation process, low standby power products, energy and cost savings calculators, model acquisition language, working groups, and other resources. A 'Benefits' section states that the Federal Government is the largest purchaser in the world and that setting standards can shift the market toward greater production of energy-efficient products. At the bottom, there is a 'Sign up' link for e-mail updates.



Sustainable Purchasing 101/102



Federal Energy Management Program (FEMP) Scope

Federal agencies are required to procure energy-efficient products. FEMP helps Federal purchasers comply with these requirements by identifying energy- and water-efficient products that meet Federal acquisition requirements, save taxpayer dollars, and reduce environmental impacts. Specifically, each product categories identified are either covered by FEMP-designated or ENERGY STAR®. Some office equipment and electronics are also covered by EPEAT or low standby power requirements.



Sustainable Purchasing 101/102



Federal Energy Management Program (FEMP) Product Categories Covered

Heating & Cooling (Space & Water)

Lighting

IT & Electronics

Food Service

Appliances

Other

Commercial Space Heating and Cooling

Boilers

Light Commercial Heating and Cooling

Chillers:

- Air-Cooled Electric
- Water-Cooled Electric

Ground-Source Heat Pumps

Commercial Water Heating

Gas Water Heaters

Lighting Components

Fluorescent Ballasts

Fluorescent Tube Lamps

Light Bulbs:

- Compact Fluorescent (CFLs)
- Light Emitting Diodes (LEDs)

Decorative Light Strings

Lighting Systems

Light fixtures:

- Commercial
- Residential

Exterior

Fluorescent Luminaires

Information Technology

Computers

Displays and Monitors

Enterprise Servers

Imaging Equipment

Uninterruptible Power Supplies

Electronics

Audio/Video

Battery Chargers

Cordless Phones

Set-Top and Cable Boxes

Televisions (TVs)

Appliances

Clothes Washers (Commercial)

Clothes Washers (Residential)

Dishwashers (Residential)

Freezers (Residential)

Refrigerators (Residential)

Room Air Cleaners and Purifiers

Room Dehumidifiers



Sustainable Purchasing 101/102



Federal Energy Management Program (FEMP) Sample Specification Language

ENERGY EFFICIENCY IN ENERGY-CONSUMING PRODUCTS (DEC 2007)

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 - (2) Is in the upper 25 percent of efficiency for all similar products as designated by the Department of Energy's Federal Energy Management Program.*
- (b) *The Contractor shall ensure that energy-consuming products are energy efficient products (i.e., ENERGY STAR products or FEMP designated products) at the time of contract award, for products that are—*
- (1) Delivered;*
 - (2) Acquired by the Contractor for use in performing services at a Government facility;*
 - (3) Furnished by the Contractor for use by the Government; or*
 - (4) Specified in the design of a building or work, or incorporated during its construction, renovation, or maintenance.*
- (c) *The requirements of paragraph (b) apply to the Contractor (including any subcontractor) unless—*
- (1) The energy-consuming product is not listed in the ENERGY STAR Program or FEMP; or*
 - (2) Otherwise approved in writing by the Contracting Officer.*
- (d) *Information about these products is available for—*
- (1) ENERGY STAR at <http://www.energystar.gov/products>; and*
 - (2) FEMP at www.femp.energy.gov/technologies/eep_purchasingspecs.html.*



Sustainable Purchasing 101/102



WaterSense

The screenshot shows the EPA WaterSense website. At the top, there is the EPA logo and navigation links: "LEARN THE ISSUES | SCIENCE & TECHNOLOGY | LAWS & REGULATIONS | ABOUT EPA". A search bar is located in the top right corner. Below the navigation, there is a blue header with "WaterSense" and "An EPA Partnership Program". A secondary navigation menu includes "About Us", "Products", "Outdoor", "New Homes", "Commercial", "Our Water", and "Partners". The main content area features a large image of a bathroom sink with the word "Products" overlaid. Below this, there is a section titled "Water-Saving Products" with a paragraph explaining the program. A list of product categories is provided, including Toilets, Bathroom sink faucets, Urinals, New homes, Showerheads, Weather-based irrigation controllers, and Why isn't my product listed?. A sidebar on the right contains a "Share" button, social media icons, and a list of product categories with expandable arrows. At the bottom of the sidebar, there is a blue box with the text "LOOKING FOR SOMETHING A BIT MORE TECHNICAL?" and a link to click here if you are part of the media, an educator, manufacturer, professional or promotional partner.



Sustainable Purchasing 101/102



WaterSense Scope

WaterSense helps people save water with a product label and tips for saving water around the house. Products carrying the WaterSense label perform well, help save money, and encourage innovation in manufacturing.

WaterSense partners with manufacturers, retailers and distributors, and utilities to bring WaterSense labeled products to the marketplace and make it easy to purchase high-performing, water-efficient products. WaterSense also partners with irrigation professionals and irrigation certification programs to promote water-efficient landscape irrigation practices.

Since the program's inception in 2006, WaterSense has helped consumers save a cumulative 287 billion gallons of water and over \$4.7 billion in water and energy bills.



Sustainable Purchasing 101/102



WaterSense Product Categories Covered

Water Efficiency Is Just a Click Away!

- Toilets
- Bathroom sink faucets
- Urinals
- New homes
- Showerheads
- Weather-based irrigation controllers



Sustainable Purchasing 101/102



WaterSense Sample Specification Language

1.0 Scope and Objective

This specification establishes the criteria for high-efficiency lavatory faucets and faucet accessories under the U.S. Environmental Protection Agency's (EPA's) WaterSense® program. It is applicable to lavatory faucets, lavatory faucet accessories specifically designed to control the flow of water, and any other lavatory faucet technologies that meet these performance specifications.

The specification is designed to ensure both sustainable, efficient water use and a high level of user satisfaction with lavatory faucet and lavatory faucet accessory performance.

2.0 Water Efficiency and Performance Criteria

2.1 Lavatory faucets and lavatory faucet accessories must conform to applicable requirements in ASME A112.18.1/CSA B125.1 and NSF/ANSI Standard 61, Section 9.2

2.2 The flow rate of the lavatory faucet or the lavatory faucet accessory shall be tested in accordance with the procedures in ASME A112.18.1/CSA B125.1 and shall meet the following criteria:

- The maximum flow rate shall not exceed 1.5 gallons per minute (gpm)3 (5.7 liters per minute [L/min]) at a pressure of 60 pounds per square inch (psi) at the inlet, when water is flowing; and*
- The minimum flow rate shall not be less than 0.8 gpm (3.0 L/min) at a pressure of 20 psi at the inlet, when water is flowing. A lavatory faucet is also considered to meet this flow rate requirement if equipped with a lavatory faucet accessory that meets this requirement.*

2.3 The flow rate, tested in accordance with the procedures in ASME A112.18.1/CSA B125.1, shall meet the testing verification protocol as described in 10 CFR 430 Subpart F, Appendix B.



Sustainable Purchasing 101/102



BioPreferred



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- Search Tips

Browse by Subject

- Suggest New Product Category
- Audit Program
- Seminar Details
- Policies and Laws
- Product Categories
- Enter Product in Catalog
- Purchasing Biobased
- Success Stories
- Product Certification
- Preferred Procurement
- Product Catalog
- Selling Biobased
- Training Resources Menu
- SignUp For NewsLetter

You are here: Home / About BioPreferred

About BioPreferred®

BioPreferred® program was created by the Farm Security and Rural Investment Act of 2002 (2002 Farm Bill), and expanded by the Food, Conservation, and Energy Act of 2008 (2008 Farm Bill). The purpose is to increase the purchase and use of biobased products. The United States Department of Agriculture manages the program.

BioPreferred includes:

- a preferred procurement program for Federal agencies and their contractors,
- and a voluntary labeling program for the broad scale consumer marketing of biobased products.

Under the procurement program, BioPreferred designates categories of biobased products that are required for purchase by Federal agencies and their contractors. As a part of this process, the minimum biobased content is specified. Going forward, biobased intermediate ingredients and feedstocks will be included in the designation process.

Under the voluntary labeling program, biobased products that meet the BioPreferred program requirements carry a distinctive label for easier identification by the consumer.

[BioPreferred® Program Overview](#)

Stay Connected

Key Initiatives

- IAS Biobased Data Elements
- *NEW* Contractor's Biobased Reporting Link
- *NEW* Navigating the Biobased Reporting Tool
- Label
- Catalog
- Federal Procurement Preference

I Want To.....

- Buy Biobased Products
- Apply for Label
- Sell Biobased Products
- Existing User Account Login



Sustainable Purchasing 101/102



BioPreferred Scope

The BioPreferred® program was created by the Farm Security and Rural Investment Act of 2002 (2002 Farm Bill), and expanded by the Food, Conservation, and Energy Act of 2008 (2008 Farm Bill). The purpose is to increase the purchase and use of biobased products. The United States Department of Agriculture manages the program.

The program includes a preferred procurement program for Federal agencies and their contractors and a voluntary labeling program for the broad scale consumer marketing of biobased products.

Under the procurement program, BioPreferred designates categories of biobased products that are required for purchase by Federal agencies and their contractors. As a part of this process, the minimum biobased content is specified.

Under the voluntary labeling program, biobased products that meet the BioPreferred program requirements carry a distinctive label for easier identification by the consumer.



Sustainable Purchasing 101/102



BioPreferred Product Categories Covered

BioPreferred Program Product Categories
January 2013



Janitorial	Minimum Biobased Content
Adhesive and Mastic Removers	58%
Air Fresheners and Deodorizers	97%
Bathroom and Spa Cleaners	74%
Carpet and Upholstery Cleaners:	
General Purpose	54%
Spot Removers	7%
Dishwashing Products	58%
Electronic Components Cleaners	91%
Floor Cleaners and Protectors	77%
Floor Strippers	78%
Furniture Cleaners and Protectors	71%
General Purpose Household Cleaners	39%
Glass Cleaners	49%
Graffiti and Grease Removers	34%
Industrial Cleaners	41%
Ink Removers and Cleaners	79%
Laundry Products:	
General Purpose	34%
Pretreatment/Spot Removers	46%
Leather, Vinyl, and Rubber Care Products*	55%
Multipurpose Cleaners	56%
Oven & Grill Cleaners	66%
Specialty Precision Cleaners and Solvents*	56%

Groundskeeping	Minimum Biobased Content
Agricultural Spray Adjuvants*	50%
Animal Repellents	79%
Bioremediation Materials	86%
Compost Activators and Accelerators	95%
Concrete and Asphalt Cleaners	70%
Dethatchers*	87%
Dust Suppressants	85%
Erosion Control Materials	77%
Fertilizers	71%
General Purpose De-Icers	93%
Mulch and Compost Materials	95%
Sorbents	89%

Miscellaneous	Minimum Biobased Content
Bedding, Bed Linens, and Towels	12%
Candles and Wax Melts	88%
Thermal Shipping Containers:	
Durable	21%
Non-Durable	82%
Films:	
Non-Durable	85%
Semi-Durable	45%
Packing and Insulating Materials	74%
Water Clarifying Agents*	92%

Food Service	Minimum Biobased Content
Disposable Containers	72%
Disposable Cutlery	48%
Disposable Tableware	72%
Food Cleaners	53%

Industrial Lubricants and Fluids	Minimum Biobased Content
2-Cycle Engine Oils	34%
Asphalt and Tar Removers	80%
Asphalt Restorers	68%
Chain and Cable Lubricants	77%
Concrete and Asphalt Release Fluids	87%
Corrosion Preventatives	53%
Diesel Fuel Additives	90%
Expanded Polystyrene (EPS)	
Foam Recycling Products	90%
Firearm Lubricants	49%
Fluid-Filled Transformers:	
Synthetic Ester-Based	66%
Vegetable Oil-Based	95%
Forming Lubricants	68%
Fuel Conditioners*	64%
Gear Lubricants	58%
Greases:	
Food Grade	42%
Multipurpose	72%
Other	75%
Rail Track	30%
Truck	71%
Heat Transfer Fluids	89%
Hydraulic Fluids:	
Mobile Equipment	44%
Stationary Equipment	44%

Inks:	
Specialty Inks	66%
Sheetfed - Color	67%
Sheetfed - Black	49%
Printer Toner - <25 pages per minute (ppm)	34%
Printer Toner - >25 ppm	20%
News	32%
Metalworking Fluids:	
General Purpose Soluble, Semi-Synthetic, and Synthetic Oils	57%
High Performance Soluble, Semi-Synthetic, and Synthetic Oils	40%
Straight Oils	66%
Multipurpose Lubricants	88%
Parts Wash Solution	65%
Penetrating Lubricants	68%
Pneumatic Equipment Lubricants	67%
Slide Way Lubricants	74%
Turbine Drip Oils	87%



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BioPreferred Sample Specification Language

Affirmative Procurement of Biobased Products Under Service and Construction Contracts

- (a) In the performance of this contract, the Contractor shall make maximum use of biobased products that are USDA-designated items, unless the product cannot be acquired-*
- (1) Competitively within a time frame providing for compliance with the contract performance schedule;*
 - (2) Meeting contract performance requirements; or*
 - (3) At a reasonable price.*
- (b) Information about this requirement and these products is available at www.biopREFERRED.gov.*



Sustainable Purchasing 101/102



Compostable

The screenshot shows the BPI website homepage. At the top left is the BPI logo. To its right are social media links for Facebook (Recommend 114) and Twitter (Follow). The date is Wednesday, March 27, 2013. A search bar is located below the date. A navigation menu includes ABOUT | BLOG | LINKS. A horizontal banner contains several small images related to composting and sustainable products. On the left is a green sidebar menu with the following items: Home, Portland Oregon "Overs" Study Results, Get BPI Certified, Find Certified Compostable Products, BPI Approved Testing Labs, Information about Certified Compostable Products, All About Composting, The Science of Biodegradation, BPI News Center, About BPI, Compostable Bags on Sale in Minnesota, Mulch Petition, and Useful Links. The main content area features a large heading "Welcome to BPI® World" followed by a paragraph: "The Biodegradable Products Institute (BPI) is a not-for-profit association of key individuals and groups from government, industry and academia." Below this is another paragraph: "Through our innovative **compostable label** program, we educate manufacturers, legislators and consumers about the importance of **scientifically based standards** for compostable materials which biodegrade in large composting facilities." A third paragraph states: "We also promote the use and recovery of compostable materials through municipal composting. And we provide information and resources such as how to **find a composter**." At the bottom of the main content area is a link: "Click on the link for a **complete list of BPI members** and **BPI-approved products**." On the right side of the main content area, there is a "Free PDF Reprint" section by Alexander H. Tullo, featuring a cover image of "C&EN" magazine with the headline "OLD PLASTICS, FRESH DIRT". Below this is a "From BPI News Center:" section with two news items: "Zero Waste Scores Gold at London Olympics" (10 Aug 2012 4:47 PM • David S. Brooks) and "Trailblazers: Portland Cuts MSW by 43%" (05 Jul 2012 12:03 PM • David S. Brooks).



Sustainable Purchasing 101/102



Compostable Scope

The Biodegradable Products Institute (BPI) is a not-for-profit association of key individuals and groups from government, industry and academia.

The Institute has created the Compostable Logo, which is designed to identify products that have been scientifically proven to biodegrade, leaving no persistent synthetic residues. The Compostable logo builds credibility and recognition for products that meet the ASTM D6400 and/or D6868 standards so consumers, composters, regulators and others can be assured that the product will biodegrade as expected.

The logo is designed to be easily recognizable and able to be placed on the actual product as well as packaging materials and sales literature.



Sustainable Purchasing 101/102



Compostable Product Categories Covered

Find Certified Compostable Products

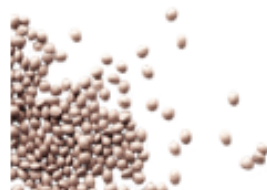
This directory lists products that have been tested and certified to be biodegradable in a managed composting facility. To be listed on this site, a company must submit its products for testing at a certified laboratory.



**Certified
Compostable Bags**



**Certified Compostable
Foodservice Items**



**Certified
Compostable Resins**



**Certified Compostable
Packaging Materials**



Sustainable Purchasing 101/102



Greenguard



Home | Join Mailing List | Contact Us | MyGREENGUARD English

Search Search

Manufacturers

Architects & Designers

Owners & Builders

Consumers

indoor air quality

certification programs

technical center

find products

about us

Certification Programs

Certification Programs

Indoor Air Quality
Children & Schools
Synthetic Turf
Private Label

Certification Process

Certification Standards
Testing Procedures

Get Product Certified

Recognized & Referenced

The GREENGUARD Certification Program

What is GREENGUARD Certification?

Simply put, GREENGUARD Certification ensures that a product has met some of the world's most rigorous and comprehensive standards for low emissions of volatile organic compounds (VOCs) into indoor air.

GREENGUARD Certification Helps Identify Healthier Products

As the demand for healthier, more sustainable products continues to expand, consumers and building industry professionals increasingly demand substantiation of product sustainability claims and rely on trustworthy third-party certifiers to guide purchasing and specification decisions. GREENGUARD Certification provides the market with solutions and resources to identify products with lower chemical emissions, and provides manufacturers with credible tools to legitimize and promote their sustainability efforts.

Indoor air quality (IAQ) is closely tied to health, and is therefore recognized as an important concern in homes, schools, healthcare environments and commercial spaces. Volatile organic compound (VOC) emissions from building materials and furnishings is a major source of indoor air pollution. GREENGUARD Certification has been widely adopted as a trusted standard for low-emitting products. In fact, more than 400 green building codes, standards, guidelines, procurements policies, and rating systems give credit for GREENGUARD Certified products.

Certification Types

[GREENGUARD Indoor Air Quality Certified](#)

A product certification program for low-emitting building materials, furniture, furnishings, finishes, cleaning products, electronics and consumer products. GREENGUARD Indoor Air Quality Certified products meet stringent certification requirements and must undergo both annual re-certification and quarterly quality monitoring to ensure ongoing compliance. Certified products are showcased in the free [GREENGUARD Product Guide](#)

[GREENGUARD Children & Schools Certified](#)

A product certification program for low-emitting building materials, furniture, finishes, cleaning products, electronics and consumer products used in environments where children and other sensitive populations spend extended periods of time. All GREENGUARD Children & Schools Certified products meet the stringent GREENGUARD Children & Schools Certification requirements, including limits outlined in California's Department of Public Health Services Standard Practice for Specification Section 01350, and undergo both annual re-certification and quarterly quality monitoring to ensure ongoing compliance. Certified products are displayed in the free [GREENGUARD Product Guide](#)



Sustainable Purchasing 101/102



Greenguard Scope

The Biodegradable Products Institute (BPI) is a not-for-profit association of key individuals and groups from government, industry and academia.

The Institute has created the Compostable Logo, which is designed to identify products that have been scientifically proven to biodegrade, leaving no persistent synthetic residues. The Compostable logo builds credibility and recognition for products that meet the ASTM D6400 and/or D6868 standards so consumers, composters, regulators and others can be assured that the product will biodegrade as expected.

The logo is designed to be easily recognizable and able to be placed on the actual product as well as packaging materials and sales literature.



Sustainable Purchasing 101/102



Greenguard Product Categories Covered

Find Products

Product Category

Adhesives/Sealants

Air Filters

Bathroom Products

Building Construction
Materials

Cabinetry

Ceiling Systems

Cleaning Products/Systems

Countertops

Doors

Electronics

Floor Finish

Flooring

Furniture

Gymnasium Equipment

Insulation

Lighting

Mattresses & Bedding

Medical Devices

Paints and Coatings

Panels

Plastic Fabrication

Signage

Storage Solutions

Surfacing Materials

Textiles

Visual Display Products

Wall Finish

Window Treatments



Sustainable Purchasing 101/102

Chlorine Free



- [Home](#)
- [How to Get Certified](#)
- [About Us](#)
- [Membership](#)
- [KIDS_ZONE](#)
- [Archie Beaton Bio](#)
- [Medical Hazards of Chlorine](#)
- [Articles and Events](#)
- [Donate](#)
- [Advisory Board](#)
- [Photo Album](#)
- [Contact Us](#)
- [Members Only](#)
- [Printers/Designers PCF mark](#)

About Us

Chlorine Free Products Association

The Chlorine Free Products Association (CFPA) is an independent not-for-profit accreditation & standard setting organization, incorporated in the state of Illinois. The primary purpose of the association is to promote Total Chlorine Free policies, programs, and technologies throughout the world. Our mission is to provide market awareness by providing facts, drawing direct comparisons, and highlight process advantages for Totally Chlorine Free (TCF) and Processed Chlorine Free (PCF) products.

CFPA Goals and Purpose

- Serve as a balanced, authoritative national, continental, and international leadership group.
- Enhance market visibility and awareness of the Chlorine Free approach, including products, systems and benefits.
- Stimulate research and development programs at federal agencies.
- Assist in developing Chlorine Free products appropriate for demonstration and consumer marketplace.
- Initiate and promote the development of Chlorine Free demonstration programs for commercial, academic, community, government, trade shows and conferences.
- Develop and implement a strategy to incorporate specifications into purchasing requirements.
- Assist in setting government Chlorine Free priorities.
- Stimulate the creation and adoption of national, continental and international specifications, standards and certification.
- Develop a program to conduct economic analysis of the benefits of Chlorine Free products and technologies.
- Collaborate with national, continental and international organization and associations.
- Publish information and stimulate education on Chlorine Free products and technologies.

CFPA Programs & Activities

- Benefits Program
- Demonstration Program
- Educational Program
- Government Collaboration
- International Program
- Market Development Program
- Research & Development Program
- Standards & Codes



Sustainable Purchasing 101/102



Chlorine Free Scope

The Chlorine Free Products Association (CFPA) is an independent not-for-profit accreditation & standard setting organization, incorporated in the state of Illinois. The primary purpose of the association is to promote Total Chlorine Free policies, programs, and technologies throughout the world.

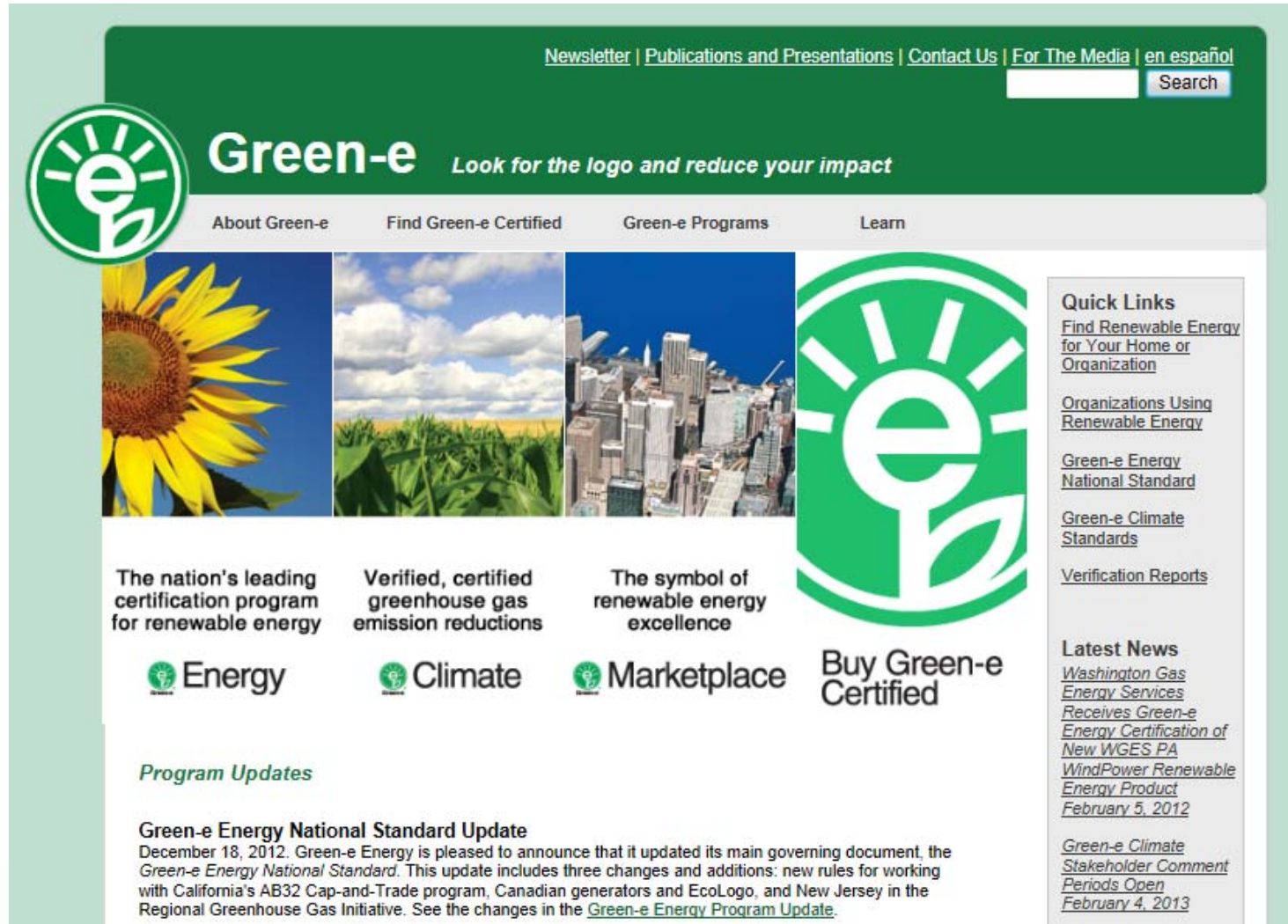
The CFPA's mission is to provide market awareness by providing facts, drawing direct comparisons, and highlight process advantages for Totally Chlorine Free (TCF) and Processed Chlorine Free (PCF) products.



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Green-e



The screenshot shows the Green-e website homepage. At the top, there is a navigation bar with links for "Newsletter", "Publications and Presentations", "Contact Us", "For The Media", and "en español". A search bar is located on the right. The main header features the Green-e logo and the tagline "Look for the logo and reduce your impact". Below the header are four navigation tabs: "About Green-e", "Find Green-e Certified", "Green-e Programs", and "Learn". The main content area is divided into three columns. The first column features a sunflower image and the text "The nation's leading certification program for renewable energy" with a "Green-e Energy" icon. The second column features a cornfield image and the text "Verified, certified greenhouse gas emission reductions" with a "Green-e Climate" icon. The third column features a city skyline image and the text "The symbol of renewable energy excellence" with a "Green-e Marketplace" icon. To the right of these columns is a large Green-e logo and the text "Buy Green-e Certified". On the far right, there is a "Quick Links" section with links to "Find Renewable Energy for Your Home or Organization", "Organizations Using Renewable Energy", "Green-e Energy National Standard", "Green-e Climate Standards", and "Verification Reports". Below this is a "Latest News" section with links to "Washington Gas Energy Services Receives Green-e Energy Certification of New WGES PA WindPower Renewable Energy Product February 5, 2012" and "Green-e Climate Stakeholder Comment Periods Open February 4, 2013". At the bottom left, there is a "Program Updates" section with the heading "Green-e Energy National Standard Update" and a paragraph of text dated December 18, 2012.



Sustainable Purchasing 101/102



Green-e Scope

Green-e is the nation's leading independent certification and verification program for renewable energy and greenhouse gas emission reductions in the retail market.

It has two certification and one verification programs:

Green-e Climate is a voluntary certification program launched in 2008 that sets consumer-protection and environmental-integrity standards for greenhouse gas (GHG) emission reductions sold in the voluntary market.

Green-e Energy is the nation's leading independent certification and verification program for renewable energy.

Green-e Marketplace is a program that allows companies to display the logo when they have purchased a qualifying amount of renewable energy and passed our verification standards

The program is administered by the Center for Resource Solutions (CRS).



Sustainable Purchasing 101/102



Green-e Organizations Qualified

Organizations Using Renewable Energy

We welcome the opportunity to work with organizations to maximize the impact of their renewable energy commitment through Green-e Marketplace. Want to reduce your footprint? Please [buy renewable energy](#) and support the following organizations that purchase or generate a qualifying amount of certified renewable energy. The [EPA's Green Power Partnership](#) is another good resource where you can learn more about organizations committed to using renewable energy.



Commitment Level: 100%
Member since: 2007
Category: Home & Office
Renewable Product: Utility Green Power

Americraft LLC purchases Green-e Energy Certified renewable energy to offset 100% of the electricity used for its manufacturing operations.



Commitment Level: 20%
Member since: 2011
Category: Printing & Packaging
Renewable Product: Renewable Energy Certificate

Appleton Coated purchases Green-e Energy Certified renewable energy to offset 20% of the electricity used for its entire operations and 100% of the manufacturing of all Utopia product lines that display the Green-e logo.



Commitment Level: 100%
Member since: 2007
Category: Health & Beauty
Renewable Product: Utility Green Power

Aromafloria's manufacturing facility is powered with 100% Green-e Energy Certified wind energy.



Commitment Level: 100%
Member since: 2007
Category: Health & Beauty
Renewable Product: Utility Green Power

AVEDA purchases Green-e Energy Certified renewable energy to offset 100% of the electricity used for its headquarters and primary distribution center.



Sustainable Purchasing 101/102



Design for the Environment (DfE)



The screenshot shows the EPA Design for the Environment website. At the top is the EPA logo and navigation links: "LEARN THE ISSUES | SCIENCE & TECHNOLOGY | LAWS & REGULATIONS | ABOUT EPA". There are also search options for "ALL EPA" and "THIS AREA", and social media links for Facebook, Contact Us, and Share. A green navigation bar contains: "About Us", "About the DfE Label", "Labeled Products", "DfE Projects", and "Resources". The main header reads "Design for the Environment An EPA Partnership Program" with the DfE logo. The main content area features a blue banner with a bulldog and cleaning gloves, asking "Are you concerned about household cleaning products that contain potentially harmful ingredients?" with a "Learn more >" link and a pagination bar (1, 2, 3, 4, ||). Below this is a section titled "Find Products with the DfE Label" with tabs for "Consumers" and "Industrial & Institutional Purchasers". The "Consumers" tab lists: "All-Purpose Cleaners", "Window Cleaners", "Tub/Tile Cleaners", "Laundry Detergents", and "more...". There is a photo of a person in a grocery store aisle. Below the list is a link for "La información sobre los productos más seguros en español". To the right of the main content are two sidebars: "Frequently Asked Questions" with a link "Where can I find a list of products with the DfE label?" and "How do I apply to get the DfE label on my products?"; and "What's New with DfE?" with two news items: "September 19, 2012 - Through its DfE program, EPA has posted a List of Safer Chemical Ingredients for use in DfE-labeled products. Read more about the list and accompanying changes to the DfE Standard (PDF). Please send questions to Bridget Williams (Williams.Bridget@epa.gov)" and "July 31, 2012 - Through its DfE program, EPA has released for comment the draft report 'Bisphenol A'".

The U.S. EPA's Design for the Environment program helps consumers, businesses, and institutional buyers identify cleaning and other products that perform well, are cost-effective, and are safer for the environment.

Look for [products with the DfE label](#) and protect your family's health and the planet.

Find Products with the DfE Label

Consumers

Industrial & Institutional Purchasers

- [All-Purpose Cleaners](#)
- [Window Cleaners](#)
- [Tub/Tile Cleaners](#)
- [Laundry Detergents](#)
- [more...](#)



La información sobre los productos más seguros en español

What's New with DfE?

September 19, 2012 - Through its DfE program, EPA has posted a [List of Safer Chemical Ingredients](#) for use in DfE-labeled products. Read more about the list and accompanying changes to the DfE Standard (PDF). Please send questions to [Bridget Williams](mailto:Bridget.Williams@epa.gov) (Williams.Bridget@epa.gov)

July 31, 2012 - Through its DfE program, EPA has released for comment the draft report "Bisphenol A"





Design for the Environment (DfE)

Scope

EPA's Design for the Environment (DfE) works in partnership with industry, environmental groups, and academia to reduce risk to people and the environment by finding ways to prevent pollution. For more than 15 years, through partnership projects, DfE has evaluated human health and environmental concerns associated with traditional and alternative chemicals and processes in a range of industries.

The Design for the Environment (DfE) label enables consumers to quickly identify and choose products for which the DfE scientific review team has screened each ingredient for potential human health and environmental effects and established that—based on currently available information, EPA predictive models, and expert judgment—the product contains only those ingredients that pose the least concern among chemicals in their class.

Sustainable Purchasing 101/102



Design for the Environment (DfE) Product Categories Covered

Air Conditioner Coil Cleaners
Aircraft Cleaning Products
All-Purpose Cleaners
Athletic Field Paints
Automatic Dishwasher Detergents
Biological-Based Products : Bilge Maintainers
Biological-Based Products : Bioremediators
Biological-Based Products : Drain Maintainers
Biological-Based Products : Grease Trap/Lift Station Maintainers
Biological-Based Products : Septic System Treatments
Biological-Based Products : Wastewater Inoculants
Brick and Masonry Cleaners
Car Care Products
Carpet Cleaners
Degreasers
Deicers
Descalers
Dish Soaps
Fire-Fighting Products
Floor Care Products : Floor Cleaners
Floor Care Products : Floor Finishes
Floor Care Products : Floor Strippers

Hand Soaps
Kitchen/Countertop Cleaners
Laundry Products : Fabric Softeners
Laundry Products : Laundry Detergents
Laundry Products : Pre-Treaters
Leather Cleaners
Marine/RV Cleaners
Medical Instrument Cleaners
Metal Cleaner/Polishes
Odor Removers
Oven/Grill/Barbeque Cleaners
Parts Washers
Soluble Films
Stainless Steel Cleaners
Tire Additives
Toilet Bowl Cleaners
Tub/Tile Cleaners
Upholstery Cleaners
Window/Glass Cleaners
Wood Cleaners
Other Industrial/Institutional Products



Reference Standards

EPA Comprehensive Procurement Guidelines (CPF)



EPA National Emission Standards for Hazardous Air Pollutants (NESHAP)

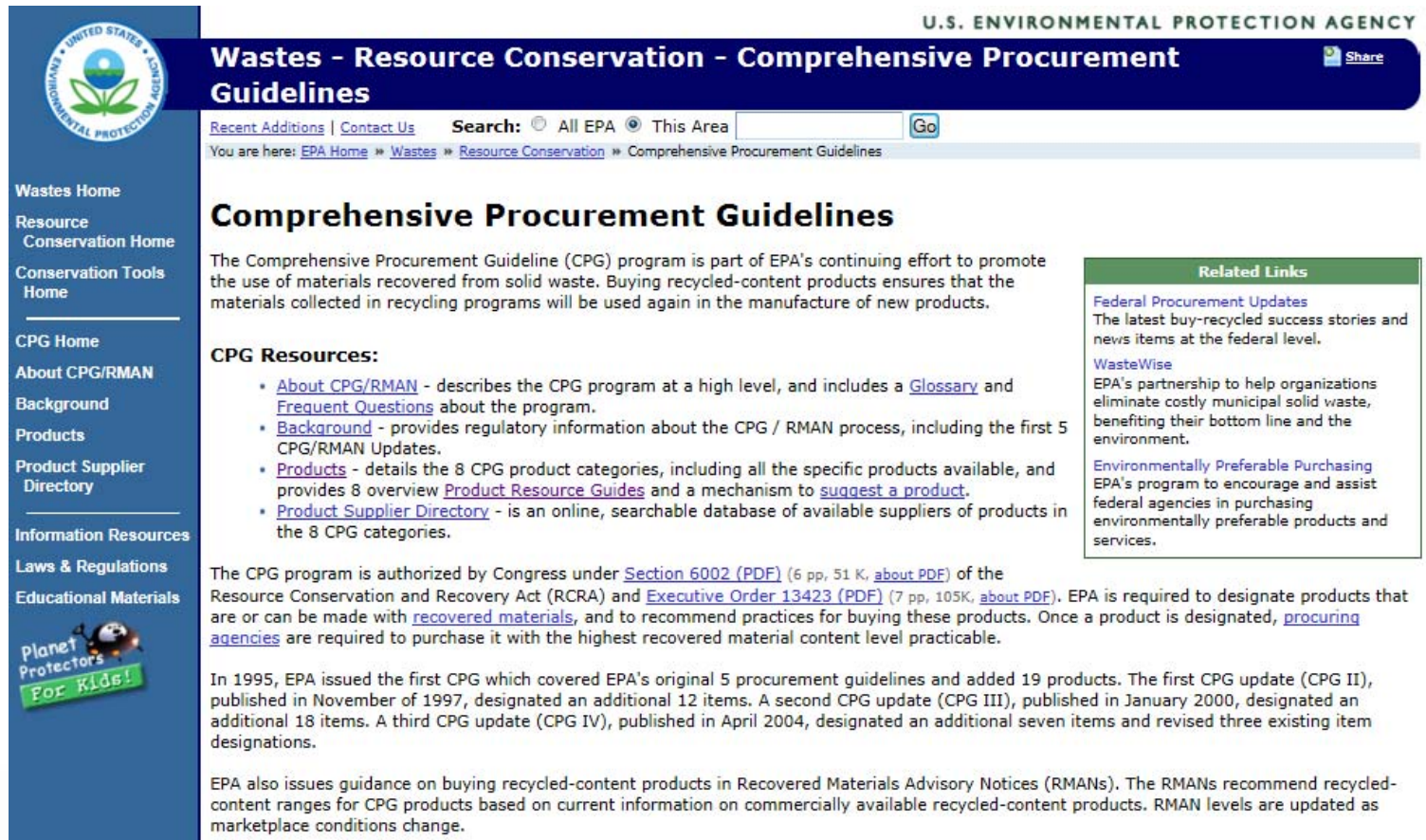


EPA Significant New Alternatives Policy (SNAP)

Sustainable Purchasing 101/102



EPA Comprehensive Procurement Guidelines (CPG)



The screenshot shows the EPA's website for Comprehensive Procurement Guidelines. At the top right, it says "U.S. ENVIRONMENTAL PROTECTION AGENCY" and "Share". The main header is "Wastes - Resource Conservation - Comprehensive Procurement Guidelines". Below this is a search bar with "All EPA" selected and "This Area" as an option. A breadcrumb trail reads: "You are here: EPA Home » Wastes » Resource Conservation » Comprehensive Procurement Guidelines".

Comprehensive Procurement Guidelines

The Comprehensive Procurement Guideline (CPG) program is part of EPA's continuing effort to promote the use of materials recovered from solid waste. Buying recycled-content products ensures that the materials collected in recycling programs will be used again in the manufacture of new products.

CPG Resources:

- [About CPG/RMAN](#) - describes the CPG program at a high level, and includes a [Glossary](#) and [Frequent Questions](#) about the program.
- [Background](#) - provides regulatory information about the CPG / RMAN process, including the first 5 CPG/RMAN Updates.
- [Products](#) - details the 8 CPG product categories, including all the specific products available, and provides 8 overview [Product Resource Guides](#) and a mechanism to [suggest a product](#).
- [Product Supplier Directory](#) - is an online, searchable database of available suppliers of products in the 8 CPG categories.

The CPG program is authorized by Congress under [Section 6002 \(PDF\)](#) (6 pp, 51 K, [about PDF](#)) of the Resource Conservation and Recovery Act (RCRA) and [Executive Order 13423 \(PDF\)](#) (7 pp, 105K, [about PDF](#)). EPA is required to designate products that are or can be made with [recovered materials](#), and to recommend practices for buying these products. Once a product is designated, [procuring agencies](#) are required to purchase it with the highest recovered material content level practicable.

In 1995, EPA issued the first CPG which covered EPA's original 5 procurement guidelines and added 19 products. The first CPG update (CPG II), published in November of 1997, designated an additional 12 items. A second CPG update (CPG III), published in January 2000, designated an additional 18 items. A third CPG update (CPG IV), published in April 2004, designated an additional seven items and revised three existing item designations.

EPA also issues guidance on buying recycled-content products in Recovered Materials Advisory Notices (RMANs). The RMANs recommend recycled-content ranges for CPG products based on current information on commercially available recycled-content products. RMAN levels are updated as marketplace conditions change.

Related Links

- [Federal Procurement Updates](#)
The latest buy-recycled success stories and news items at the federal level.
- [WasteWise](#)
EPA's partnership to help organizations eliminate costly municipal solid waste, benefiting their bottom line and the environment.
- [Environmentally Preferable Purchasing](#)
EPA's program to encourage and assist federal agencies in purchasing environmentally preferable products and services.

Wastes Home
Resource Conservation Home
Conservation Tools Home

CPG Home
About CPG/RMAN
Background
Products
Product Supplier Directory

Information Resources
Laws & Regulations
Educational Materials

Planet Protectors For Kids!





EPA Comprehensive Procurement Guidelines (CPG) Scope

The Comprehensive Procurement Guideline (CPG) program is part of EPA's continuing effort to promote the use of materials recovered from solid waste. Buying recycled-content products ensures that the materials collected in recycling programs will be used again in the manufacture of new products.

The CPG program designates products that are or can be made with recovered materials, and recommends practices for buying these products. Once a product is designated, procuring agencies are required to purchase it with the highest recovered material content level practicable.

EPA also issues guidance on buying recycled-content products in Recovered Materials Advisory Notices (RMANs). The RMANs recommend recycled-content ranges for CPG products based on current information on commercially available recycled-content products. RMAN levels are updated as marketplace conditions change.





EPA Comprehensive Procurement Guidelines (CPG) Product Categories Covered

[Products](#) | [Product Resource Guides](#) | [Suggest a Product](#)

Product Resource Guides

EPA's Comprehensive Procurement Guideline (CPG) program helps agencies "close the loop" by buying recycled products. EPA published a series of product resource guides summarizing information on the CPG program; EPA's recovered materials content recommendations; case studies from around the country; and key resources, associations, and Web sites.

There are 8 product resource guides in all, one for each CPG product category.

- [2007 Buy-Recycled Series: Construction Products \(PDF\)](#) (9 pp, 360K)
- [2007 Buy-Recycled Series: Landscaping Products \(PDF\)](#) (7 pp, 404K)
- [2007 Buy-Recycled Series: Nonpaper Office Products \(PDF\)](#) (6 pp, 316K)
- [2007 Buy-Recycled Series: Paper Products \(PDF\)](#) (8 pp, 343K)
- [2007 Buy-Recycled Series: Park and Recreation Products \(PDF\)](#) (6 pp, 342K)
- [2007 Buy-Recycled Series: Transportation Products \(PDF\)](#) (8 pp, 335K)
- [2007 Buy-Recycled Series: Vehicular Products \(PDF\)](#) (8 pp, 455K)
- [2007 Buy-Recycled Series: Miscellaneous Products \(PDF\)](#) (7 pp, 409K)

You will need Adobe Reader to view some of the files on this page. See [EPA's PDF page](#) to learn more.



Sustainable Purchasing 101/102



EPA National Emission Standards for Hazardous Air Pollutants (NESHAP)

U.S. ENVIRONMENTAL PROTECTION AGENCY Share

Compliance Monitoring

Contact Us Search: All EPA Compliance and Enforcement Go

You are here: EPA Home » Compliance and Enforcement » Compliance » Compliance Monitoring » Statutory Programs » Clean Air Act » NESHAPs Air Toxics

National Emission Standards for Hazardous Air Pollutants Compliance Monitoring

National Emission Standards for Hazardous Air Pollutants (NESHAPs) are stationary source standards for hazardous air pollutants. Hazardous air pollutants (HAPs) are those pollutants that are known or suspected to cause cancer or other serious health effects, such as reproductive effects or birth defects, or adverse environmental effects.

EPA develops [national priorities](#) that focus on significant environmental risks and noncompliance patterns. For Fiscal Years 2005 to 2007, the [Clean Air Act: Air Toxics national priorities strategy](#) focuses on categories of sources that emit HAPs.

NESHAPs are found in [40 CFR Part 61](#) and [40 CFR Part 63](#). Part 61 NESHAPs regulate only 7 hazardous air pollutants:

- Asbestos
- Beryllium
- Mercury
- Vinyl chloride
- Benzene
- Arsenic
- Radon/radionuclides

The 1990 Clean Air Act Amendments, significantly expanded EPA's authority to regulate hazardous air pollutants. Section 112 of the [Clean Air Act](#) lists [187 hazardous air pollutants](#) to be regulated by source category.

The NESHAPs promulgated after the 1990 Clean Air Act Amendments are found in [40 CFR Part 63](#). These standards require application of technology based emissions standards referred to as Maximum Achievable Control Technology (MACT). Consequently, these post-1990 NESHAPs are also referred to as MACT standards. The NESHAPs are delegated to the states but both EPA and the states implement and enforce these standards.

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Compliance Monitoring Program

EPA conducts inspections of facilities subject to the regulations to determine compliance. EPA inspections include:

- Reviewing reports and records
- Interviewing facility personnel knowledgeable of the facility
- Inspecting the processes that have emissions points subject to the standard sampling wastewater discharges, if applicable
- Inspecting against design and work practice standards
- Reviewing leak detection and repair methods

See [The Implementation Tool Miscellaneous Organic Chemical Manufacturing NESHAP](#) and [The Inspection Tool for the Miscellaneous Organic Chemical Manufacturing NESHAP](#) for inspection protocols which have been developed for the Miscellaneous Organic Chemical Manufacturing NESHAP and the Miscellaneous Coating Manufacturing NESHAP, respectively.

CAA Topics

- New Source Performance Standards and State Implementation Plans
- National Emission Standards for Hazardous Air Pollutants (NESHAPs) Air Toxics
 - Stratospheric Ozone
 - Wood Heaters
 - 112(r) General Duty Clause and Risk Management Plans
 - Mobile Sources
 - Asbestos Demolition and Renovation
 - Acid Rain Inspection and trading programs
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EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) Scope

National Emission Standards for Hazardous Air Pollutants (NESHAPS) are stationary source standards for hazardous air pollutants. Hazardous air pollutants (HAPs) are those pollutants that are known or suspected to cause cancer or other serious health effects, such as reproductive effects or birth defects, or adverse environmental effects.

NESHAPs are found in 40 CFR Part 61 and 40 CFR Part 63.

Part 61 NESHAPs regulate only 7 hazardous air pollutants:

Asbestos , Beryllium , Mercury , Vinyl chloride , Benzene , Arsenic , and Radon/radionuclides

Part 63 NESHAPs lists 187 hazardous air pollutants to be regulated by source category.



EPA Significant New Alternatives Policy (SNAP)

Ozone Layer Protection - Alternatives / SNAP

U.S. ENVIRONMENTAL PROTECTION AGENCY

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Significant New Alternatives Policy (SNAP) Program

The Significant New Alternatives Policy (SNAP) Program is EPA's program to evaluate and regulate substitutes for the ozone-depleting chemicals that are being phased out under the stratospheric ozone protection provisions of the Clean Air Act (CAA).

In [Section 612\(c\)](#) of the [Clean Air Act](#), the Agency is authorized to identify and publish lists of acceptable and unacceptable substitutes for [class I](#) or [class II](#) ozone-depleting substances.

The Administrator has determined a large number of alternatives exist that reduce overall risk to human health and the environment. The purpose of the program is to allow a safe, smooth transition away from ozone-depleting compounds by identifying substitutes that offer lower overall risks to human health and the environment.

The SNAP program has reviewed substitutes for the following [industrial sectors](#):

- [Refrigeration & Air Conditioning](#)
- [Foam Blowing Agents](#)
- [Cleaning Solvents](#)
- [Fire Suppression and Explosion Protection](#)
- [Aerosols](#)
- [Sterilants](#)
- [Tobacco Expansion](#)
- [Adhesives, Coatings & Inks](#)

Recent Additions

- EPA Withdraws One Alternative Fire Suppressant from Direct Final Rule
- EPA Issues Rule Listing Three New Alternative Fire Suppressants (PDF 11 pp, 300 KB)
- EPA releases Acceptability Determination 27 approving ODS substitutes for the refrigeration and air conditioning, foam blowing, solvent cleaning, aerosol and fire suppression sectors (PDF 12 pp, 320 KB)
- EPA Releases a Final Rule for R-744 (CO₂) as an Automotive Refrigerant (16 pp, 345 KB)
- EPA Amends the Final Rule for HFO-1234yf as an Automotive Refrigerant (PDF 8 pp, 261 KB)
- EPA Releases a Final Rule Allowing Use of Hydrocarbon Refrigerants in Refrigerators and Freezers (PDF 27 pp, 298 KB)

Key Documents

- SNAP Final Rule Summary
- Submit a Substitute
- Lists of Substitutes

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<http://www.epa.gov/ozone/snap/>
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Last updated on Thursday, January 10, 2013



EPA Significant New Alternatives Policy (SNAP) Scope

The Significant New Alternatives Policy (SNAP) Program is EPA's program to evaluate and regulate substitutes for the ozone-depleting chemicals that are being phased out under the stratospheric ozone protection provisions of the Clean Air Act (CAA).

The SNAP program has reviewed substitutes for the following industrial sectors:

- *Refrigeration & Air Conditioning*
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- *Fire Suppression and Explosion Protection*
- *Aerosols*
- *Sterilants*
- *Tobacco Expansion*
- *Adhesives, Coatings & Inks*

Questions?



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