

Designated Green Products for Federal Procurement

Version 6, 06/30/2010

The following database is meant as a tool to facilitate the procurement of green products and services. The designated green products are separated into 18 spreadsheets: Building Construction; Traffic Control; Landscaping; Roadway Construction; Building Interior; Building Finishes; Paper Office Products; Printing; Non-Paper Office Products; Office Electronics; Refrigeration & AC; Renewable Energy; Vehicle Products; Park and Recreation; Cleaning Products; Cafeteria Services; Lubricants, Oils, Hydraulic Fluids and Greases; and Miscellaneous. The products listed are those for which the U.S. Environmental Protection Agency, U.S. Department Energy, or U.S. Department of Agriculture have issued designations or otherwise provided guidance for environmental or energy attributes.

Each product is designated as recycled content (R), biobased content/BioPreferred (BP), Energy Star (ES), FEMP-designated (FEMP), WaterSense (WS), alternative fuel (AF), or Significant New Alternatives Policy (SNAP). The columns provide information on product types and, where appropriate, recommended recycled content or biobased content levels. Some key points to note about individual spreadsheets:

- The Building Construction spreadsheet lists products that can be used in building construction, renovation, or maintenance.
- The Vehicle spreadsheet is divided into vehicle maintenance products and alternative fuels.
- The Lubricants, Oils, Hydraulic Fluid, and Grease spreadsheet is divided into oils, lubricants and grease, and hydraulic fluids.
- The renewable energy sources listed in the Renewable Energy spreadsheet are those identified in the Energy Policy Act of 2005.
- Some items are pertinent to several different categories and, therefore, will be listed in multiple categories or cross-referenced. For example, the types of paper used for printing are found in the Paper Office Products category and are cross-referenced from the Printing spreadsheet.
- The spreadsheets indicate which items are available from the AbilityOne Program and UNICOR/Federal Prison Industries.

For more information about the products listed in this tool, please visit the following online resources:

ENERGY STAR

<http://www.energystar.gov>

FEMP Energy Efficient Product Requirements

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

FEMP's Standby Power Data Center

<http://femp.energy.gov/standby>

EPA's Comprehensive Procurement Guidelines

<http://www.epa.gov/epawaste/consERVE/tools/cpg/products/index.htm>

Vendor database: <http://www.epa.gov/epawaste/consERVE/tools/cpg/database.htm>

USDA's BioPreferred Designated Products

<http://www.biopreferred.gov>

Vendor database: <http://www.biopreferred.gov/Catalog.aspx>

EPA's WaterSense Program

<http://epa.gov/watersense/>

Electronic Product Environmental Assessment Tool

<http://www.epeat.net/>

DOE's Alternative Fuels and Advanced Vehicles Data Center

<http://www.afdc.energy.gov/afdc/>

DOE's Federal Fleet Management Program

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

National Renewable Energy Laboratory

<http://www.nrel.gov/learning/>

EPA's Significant New Alternatives Policy (SNAP) Program List of Substitutes

<http://www.epa.gov/ozone/snap/lists/index.html>

AbilityOne

http://abilityone.org/about_us.html

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Industrial cleaners
Lip care products
Manual-grade strapping
Mats
Pallets
Parts wash solutions
Picture frames (digital)
Room air cleaners
Sorbents
Sterilants
Transformers
Water tank coatings
Wood and concrete sealers

Building Products

Category	Product	Product Type	Content Levels
Appliances	Commercial dishwashers (ES)		ENERGY STAR
	Commercial freezers (ES)		ENERGY STAR (eff. 1/1/2010)
	Commercial refrigerators (ES)		ENERGY STAR (eff. 1/1/2010)
	Clothes washers (ES)		ENERGY STAR
	Dishwashers (ES)		ENERGY STAR
Bathroom Fixtures	Bathroom sink faucets (WS)		WaterSense
	Showerheads (WS)		WaterSense
	Shower and restroom dividers/partitions (R)	Steel	See EPA guidance at www.epa.gov/cpg
		Plastic	20-100% recovered plastic, including 20-100% postconsumer content
	Toilets (WS)		WaterSense
	Urinals (WS)		WaterSense
Building Construction, Renovation, and Maintenance	Building insulation (R, ES)	Rock wool	75% recovered slag
		Fiberglass	20-25% recovered glass
		Cellulose loose-fill and spray-on	75% postconsumer paper
		Perlite composite board	23% postconsumer paper
		Rigid foam	9% recovered material
		Foam-in-place	5% recovered material
		Glass fiber reinforced	6% recovered material
		Phenolic rigid foam	5% recovered material
		Plastic, non-woven batt	100% recovered and/or postconsumer plastics
		Plastic insulating foam for residential and commercial construction (BP)	7% minimum biobased content

R = recycled content (www.epa.gov/cpg)

B = biobased content (<http://www.biobased.oce.usda.gov>)

EE = energy efficient (Energy Star www.energystar.gov or FEMP-designated <http://www.eere.energy.gov/femp/>)

Building Products

	Ceiling Fans (ES)		ENERGY STAR
	Cement and concrete (R)	Coal fly ash	See EPA guidance at www.epa.gov/cpg
		Ground granulated blast furnace slag	See EPA guidance at www.epa.gov/cpg
		Cenospheres	See EPA guidance at www.epa.gov/cpg
		Silica fume	See EPA guidance at www.epa.gov/cpg
	Composite panels (BP)	Acoustical	37% minimum biobased content
		Interior Panels	55% minimum biobased content
		Plastic Lumber	23% minimum biobased content
		Structural Interior Panels	89% minimum biobased content
		Structural Wall Panels	94% minimum biobased content
	Doors and skylights (ES)		ENERGY STAR
	Floor tiles (R)		90-100% postconsumer rubber
			90-100% recovered plastic
	Flowable fill (R)		See EPA guidance at www.epa.gov/cpg
	Fluid-filled transformers (BP)	Synthetic Ester-Based	66% minimum biobased content
		Vegetable Oil-Based	95% minimum biobased content
	Laminated paperboard (R)	Paperboard	100% postconsumer paper
	Structural fiberboard	Paper	80-100% recovered material
	Modular threshold ramps (R)	Steel	25-100% recovered steel, including 16-67% postconsumer content
		Aluminum	10% recovered aluminum
		Rubber	100% postconsumer rubber
	Nonpressure pipes (R)	Steel	See EPA guidance at www.epa.gov/cpg
		HDPE	100% postconsumer high density polyethylene
		PVC	25-100% recovered polyvinyl chloride, including 5-15% postconsumer content
		Concrete	See EPA guidance at www.epa.gov/cpg
	Patio blocks (R)	Rubber	90-100% postconsumer rubber or rubber blends
		Plastic	90-100% recovered plastic or plastic blends
	Roofing materials (R, BP, ES)	Steel	See EPA guidance at www.epa.gov/cpg

R = recycled content (www.epa.gov/cpg)

B = biobased content (<http://www.biobased.oce.usda.gov>)

EE = energy efficient (Energy Star www.energystar.gov or FEMP-designated <http://www.eere.energy.gov/femp/>)

Building Products

		Aluminum	20-90% recovered aluminum, including 20-90% postconsumer content
		Fiber	50-100% recovered fiber or fiber composite, including 50-100% postconsumer content
		Rubber	100% recovered rubber, including 12-100% postconsumer content
		Plastic/composites	100% postconsumer plastic or plastic/rubber composite
		Wood/composites	100% recovered wood/plastic composite
		Concrete	See EPA guidance at www.epa.gov/cpg
		Plastic (polyol)	20% biobased content
			ENERGY STAR
	Windows (ES)		ENERGY STAR
HVAC	Air-cooled chillers (FEMP)		FEMP
	Air-source heat pumps (ES)		ENERGY STAR
	Boilers (ES)		ENERGY STAR
	Centrifugal pumping system (FEMP)		FEMP
	Commercial heat pumps (FEMP)		FEMP
	Commercial unitary air conditioners (FEMP)		FEMP
	Electric water heaters (FEMP)		FEMP
	Furnaces (ES)		ENERGY STAR
	Gas water heaters (FEMP)		FEMP

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B = biobased content (<http://www.biobased.oce.usda.gov>)

EE = energy efficient (Energy Star www.energystar.gov or FEMP-designated <http://www.eere.energy.gov/femp/>)

Building Products

	Geothermal or ground-source heat pumps (ES)		ENERGY STAR NOTE: Energy Star added new standards for geothermal heat pumps: water-to-water geothermal heat pump standards are effective Dec. 1, 2009, standards for water-to-air and direct geexchange geothermal heat pump models take effect on January 1, 2011. More stringent levels will go into effect for water-to-water and water-to-air models on January 1, 2012.
	Light commercial heating and cooling (ES)		ENERGY STAR
	Programmable thermostats		ENERGY STAR suspended its standard but see the ENERGY STAR web site for information
	Room AC (ES)		ENERGY STAR
	Ventilating fans (ES)		ENERGY STAR
	Water-cooled chillers (FEMP)		FEMP
Miscellaneous	Concrete and asphalt release fluids (BP)		87% minimum biobased content
	Fire suppression and explosion protection (SNAP)	Total flooding agents	SNAP
		Streaming applications	SNAP
		Halon substitute manufacturers	SNAP
	Water tank coatings (BP)		59% biobased content

R = recycled content (www.epa.gov/cpg)

B = biobased content (<http://www.biobased.oce.usda.gov>)

EE = energy efficient (Energy Star www.energystar.gov or FEMP-designated <http://www.eere.energy.gov/femp/>)

Building Products

	<p>NOTES: Also see the Refrigeration and Air Conditioning spreadsheet. The EPA recommendations for steel content start at 16%. The Steel Recycling Institute recently announced that all new steel contains a minimum of 28% recycled content.</p>		
	Additional Resources		
	EPA's Comprehensive Procurement Guidelines		
	http://www.epa.gov/epawaste/conserve/tools/cpg/products/index.htm		
	USDA's BioPreferred Designated Products		
	http://www.biopREFERRED.gov/ProposedAndFinalItemDesignations.aspx		
	ENERGY STAR		
	http://www.energystar.gov/index.cfm?fuseaction=find_a_product .		
	The Federal Energy Management Program		
	http://www1.eere.energy.gov/femp/technologies/eep_purchasingspecs.html		
	EPA's WaterSense		
	http://epa.gov/watersense/		
	EPA's Significant New Alternatives Policy (SNAP) Program		
	http://www.epa.gov/ozone/snap/lists/index.html		

R = recycled content (www.epa.gov/cpg)

B = biobased content (http://www.biobased.oce.usda.gov)

EE = energy efficient (Energy Star www.energystar.gov or FEMP-designated http://www.eere.energy.gov/femp/)

Category	Product	Product Type	Content Levels	Available from UNICOR
Traffic Control Products	Channelizers (R)	Plastic	25-95% recovered plastic, including 25-95% postconsumer content	
		Rubber	100% postconsumer rubber (base only)	
Delineators (R)		Plastic	25-90% recovered plastic, including 25-95% postconsumer content	
		Rubber	100% postconsumer rubber (base only)	
		Steel	See EPA guidance at www.epa.gov/cpg	
Flexible delineators (R)		Plastic	25-85% recovered plastic, including 25-85% postconsumer content	
Parking stops (R)		Plastic or rubber	100% postconsumer plastic and/or rubber	
		Concrete	20-40% recovered concrete containing coal fly ash	
		Concrete	25-70% recovered concrete containing ground granulated blast furnace slag	
Signage (R)		Plastic	80-100% recovered plastic signs, including 80-100% postconsumer content	
		Aluminum	25% postconsumer aluminum signs	X
		Plastic	80-100% recovered plastic sign posts/supports, including 80-100% postconsumer content	
		Steel	See EPA guidance at www.epa.gov/cpg	
Traffic barricades (R)		Plastic	100% recovered plastic, including 80-100% postconsumer content	
		Steel	See EPA guidance at www.epa.gov/cpg	
		Fiberglass	100% recovered fiberglass	
Traffic cones (R)		Plastic	50-100% recovered plastic	
		Rubber	50-100% crumb rubber	

NOTE: The EPA recommendations for steel content start at 16%. The Steel Recycling Institute recently announced that all new steel

Additional Resources

EPA's Comprehensive Procurement Guidelines
<http://www.epa.gov/epawaste/conservation/tools/cpg/products/index.htm>

UNICOR
http://www.unicor.gov/industrial_products/signs_routedseals

Category	Product	Product Type	Content Levels
Landscaping Products	Compost (R)	Yard trimmings, food waste, manure, biosolids, or other recovered organic materials	100% recovered organic materials
	Fertilizers (R, BP)	Fertilizer from recovered organic materials	100% recovered organic materials
			71% minimum biobased content
	Hoses (R)	Garden hose	60-65% postconsumer rubber and/or plastic
		Soaker hose	60-70% postconsumer rubber and/or plastic
	Hydraulic mulch (R)	Paper-based hydraulic mulch	100% postconsumer paper
		Wood-based hydraulic mulch	100% recovered wood and paper
	Landscape irrigation services (WS)		WaterSense
	Lawn and garden edging (R)		30-100% recovered plastic and/or rubber, including 30-100% postconsumer content
	Plastic lumber landscaping timber and posts (R)		75-100% recovered high density polyethylene, including 25-100% postconsumer content
		100% recovered mixed plastics/sawdust, including 50% postconsumer content	
		95% recovered high density polyethylene/fiberglass, including 75% postconsumer content	
		95-100% other mixed recovered resins, including 50-100% postconsumer content	
Weather- or sensor-based irrigation control technologies (WS)		WaterSense	

NOTE: Although compost has been designated by EPA as a recycled content product, it is both a recycled content product and a biobased product.

Additional Resources

EPA's Comprehensive Procurement Guidelines

<http://www.epa.gov/epawaste/conservation/tools/cpg/products/index.htm>

USDA's BioPreferred Designated Products

<http://www.biopreferred.gov/ProposedAndFinalItemDesignations.aspx>

EPA's WaterSense

<http://epa.gov/watersense/>

Category	Product	Product Type	Content Levels
Roadway Construction	Cement and concrete (R)	Coal fly ash	See EPA guidance at www.epa.gov/cpg
		Ground granulated blast furnace slag	See EPA guidance at www.epa.gov/cpg
		Cenospheres	See EPA guidance at www.epa.gov/cpg
		Silica fume	See EPA guidance at www.epa.gov/cpg
	Concrete and asphalt release fluids (BP)		87% minimum biobased content
Railroad grade crossing surfaces (R)		Concrete	15-20% recovered coal fly ash
		Rubber	85-95% recovered tire rubber
		Steel	See EPA guidance at www.epa.gov/cpg
		Wood	90-97% recovered wood or wood composite, including 90-97% postconsumer content
		Plastic	100% recovered plastic or plastic composite, including 85-95% postconsumer content

NOTES: The EPA recommendations for steel content start at 16%. The Steel Recycling Institute recently announced that all new steel contains a minimum of 28% recycled content. Also see Signage in the Traffic Control spreadsheet.

Additional Resources

EPA's Comprehensive Procurement Guidelines
<http://www.epa.gov/epawaste/conservation/tools/cpg/products/index.htm>

USDA's BioPreferred Designated Products
<http://www.biopreferred.gov/ProposedAndFinalItemDesignations.aspx>

Category	Product	Product Type	Content Levels	Available from UNICOR
Building Interior	Beverage vending machines		ENERGY STAR (new energy conservation standards eff. 09/31/2012)	
	Fire suppression and explosion protection (SNAP)	Total flooding agents	SNAP	
		Streaming applications	SNAP	
		Halon substitute manufacturers	SNAP	
	Office furniture	Furniture structure	75-100% recovered aluminum	
		Cellulose loose-fill and spray-on	75% postconsumer paper	
		Particleboard/fiberboard component	80-100% recovered wood or wood composite	
		Particleboard/fiberboard component	100% recovered agricultural fiber	
		Fabric	100% postconsumer polyethylene terephthalate	X
		Plastic furniture component	95% recovered high density polyethylene, including 70-75% postconsumer content	
		Remanufactured or refurbished furniture	25-75% recovered material, including 25-75% postconsumer content	
	Office recycling containers (R)	Plastic	20-100% postconsumer plastic	
		Steel	25-30% recovered steel, including 16% postconsumer content	
		Paperboard	25-50% recovered corrugated paper, including 25-50% postconsumer content	
		Paperboard	40% postconsumer solid fiber paper boxes	
		Paperboard	100% recovered industrial paperboard, including 40-80% postconsumer content	
	Signage (R)	Plastic	80-100% recovered plastic signs, including 80-100% postconsumer content	
		Aluminum	25% postconsumer aluminum signs	X
		Plastic	80-100% recovered plastic sign posts/supports, including 80-100% postconsumer content	
		Steel	See EPA guidance at www.epa.gov/cpg	
	Water Coolers (ES)		ENERGY STAR	

NOTES: Also see the Building Construction spreadsheet. The EPA recommendations for steel content start at 16%. The Steel Recycling Institute recently announced that all new steel contains a minimum of 28% recycled content.

Additional Resources

EPA's Comprehensive Procurement Guidelines
<http://www.epa.gov/epawaste/conservation/tools/cpg/products/index.htm>

Significant New Alternatives Policy (SNAP) Program
<http://www.epa.gov/ozone/snap/lists/index.html>

UNICOR
http://www.unicor.gov/industrial_products/signs_routedseals.cfm

Category	Product	Product Type	Content Levels	Available from AbilityOne	Available from UNICOR
Building Finishes	Carpet (R)	Polyester carpet face fiber	25-100% recovered polyethylene terephthalate, including 25-100% postconsumer content		
	Carpet (BP)	Woven, tufted, or knitted fiber and a backing system	7% minimum biobased content		
	Carpet cushion (R)	Bonded polyurethane	15-50% old carpet cushion, including 15-50% postconsumer content		
		Jute	40% postconsumer burlap		
		Synthetic fibers	100% recovered carpet fabrication scrap		
		Rubber	60-90% recovered tire rubber, including 60-90% postconsumer content		
	Compact fluorescent lamps (CFLs) (ES)		ENERGY STAR		
	Decorative light strings (ES)		ENERGY STAR		
	Downlight luminaires (FEMP)		FEMP		
	Floor tiles (heavy duty/commercial) (R)	Rubber	90-100% postconsumer rubber		
		Plastic	90-100% recovered plastic		
	Fluorescent ballasts (FEMP)		FEMP		
	Fluorescent luminaires (FEMP)		FEMP		
	Fluorescent tube lamps (FEMP)		FEMP		
	LED lighting		ENERGY STAR		
	Light fixtures (ES)		ENERGY STAR		
	Lighting controls (FEMP)		FEMP		
	Mats (R)	Rubber	85-100% recovered rubber, including 75-100% postconsumer content	X	
		Plastic	100% recovered plastic, including 10-100% postconsumer content		
		Blends	100% postconsumer rubber/plastic composite		
	Paint -- consolidated latex paint (R)		100% postconsumer content		
Paint -- reprocessed latex paint (R)	White, off-white, pastel colors	20% postconsumer content			
	Grey, brown, earthtones, and other dark colors	50-99% recovered material, including 50-99% postconsumer content			
Signage (R)	Plastic	80-100% recovered plastic signs, including 80-100% postconsumer content			
	Aluminum	25% postconsumer aluminum signs		X	
	Plastic	80-100% recovered plastic sign posts/supports, including 80-100% postconsumer content			
	Steel	See EPA guidance at www.epa.gov/cpg			

NOTES: For paint, particularly if the building is located in an air non-attainment area or if there are concerns about indoor air quality, look for paints with no volatile organic compounds. Recycled content paints are being made more frequently with no or low levels of volatile organic compounds. The EPA recommendations for steel content start at 16%. The Steel Recycling Institute recently announced that all new steel contains a minimum of 28% recycled content.

Additional Resources

EPA's Comprehensive Procurement Guidelines
<http://www.epa.gov/epawaste/conservation/tools/cpg/products/index.htm>

USDA's BioPreferred Designated Products
<http://www.biopreferred.gov/ProposedAndFinalItemDesignations.aspx>

ENERGY STAR
http://www.energystar.gov/index.cfm?fuseaction=find_a_product

The Federal Energy Management Program
http://www1.eere.energy.gov/femp/technologies/eep_purchasingspecs.html

FEMP's Standby Power Data Center
<http://femp.energy.gov/standby>

UNICOR
http://www.unicor.gov/industrial_products/signs_routedseals.cfm

Category	Product	Content Levels	Available from AbilityOne
Paper and Paper Products	Tissue products (R)		
	Bathroom tissue (R)	20-100% recovered fiber, including 20-60% postconsumer fiber	X
	Paper towels (R)	40-100% recovered fiber, including 40-60% postconsumer fiber	X
	Paper napkins (R)	30-100% recovered fiber, including 30-60% postconsumer fiber	X
	Facial tissue (R)	10-100% recovered fiber, including 10-15% postconsumer fiber	X
	General purpose industrial wipers (R)	40-100% recovered fiber, including 40% postconsumer fiber	X
	Newsprint (R)	20-100% recovered fiber, including 20-85% postconsumer fiber	
Paperboard and packaging products (R)			
Corrugated containers (R)			
<300 psi (R)	25-50% recovered fiber, including 25-50% postconsumer fiber		
300 psi (R)	25-30% recovered fiber, including 25-30% postconsumer fiber	X	
Solid fiber boxes (R)	40% postconsumer fiber		
Folding cartons (R)	100% recovered fiber, including 40-80% postconsumer fiber		
Industrial paperboard (R)	100% recovered fiber, including 45-100% postconsumer fiber		
Miscellaneous (e.g., pad backs, covered binders, book covers, mailing tubes, protective packaging) (R)	90-100% recovered fiber, including 75-100% postconsumer fiber	X	
Padded mailers (R)	5-15% recovered fiber, including 5-15% postconsumer fiber		
Carrierboard (R)	10-100% recovered fiber, including 10-15% postconsumer fiber		
Brown papers (R)	5-40% recovered fiber, including 5-20% postconsumer fiber	X	
Printing and writing paper (R)			
Reprographic (e.g., copier paper) (R)	30% postconsumer fiber	X	
Offset (R)	30% postconsumer fiber		
Tablet (R)	30% postconsumer fiber	X	
File folders (manila and colored) (R)	30% postconsumer fiber	X	
Dyed filing products (R)	20-50% recovered fiber, including 20% postconsumer fiber	X	
Cards (e.g., index) (R)	50% recovered fiber, including 20% postconsumer fiber	X	
Pressboard report covers and binders (R)	50% recovered fiber, including 20% postconsumer fiber	X	
Forms bond (e.g., computer printout) (R)	30% postconsumer fiber	X	
White wove envelopes (R)	30% postconsumer fiber		
Unbleached kraft envelopes (R)	10% postconsumer fiber		
White, colored, manila kraft envelopes (R)	10-20% postconsumer fiber		
Cotton (R)	30% postconsumer fiber	X	
Text and cover (R)	30% postconsumer fiber		
Supercalendered (R)	10% postconsumer fiber		

Machine finish groundwood (R)	10% postconsumer fiber	
Papeteries (R)	30% postconsumer fiber	
Check safety paper (R)	10% postconsumer fiber	
Tags and tickets (R)	50% recovered fiber, including 20% postconsumer fiber	
Coated printing paper (R)	10% postconsumer fiber	
Carbonless (R)	30% postconsumer fiber	X
Miscellaneous (R)		
Tray liners	100% recovered fiber, including 50 - 75% postconsumer fiber	

Additional Resources

EPA's Comprehensive Procurement Guidelines

<http://www.epa.gov/epawaste/conservation/tools/cpg/products/index.htm>

AbilityOne

http://abilityone.org/lob/office_supplies.html

Category	Product	Available from UNICOR
Printing	Vegetable-based inks	X
	Printing on 30% postconsumer content paper	X

NOTE: Paper products are listed under the Paper Office Products category.

Additional Resources

UNICOR

http://www.unicor.gov/about/environmental_sensitivity/ecyclelaundry.cfm

Office Products

Category	Product	Product Type	Content Levels	Available from AbilityOne
Non-Paper Office Supplies	Awards and plaques (R)	Glass	100% recovered glass, including 75-100% postconsumer content	
		Wooden	100% recovered wood	
		Paper	40-100% recovered paper, including 40-100% postconsumer content	
		Composites	Paper and plastic/wood composite	X
Binders (R)	Plastic-covered		25-50% recovered material	X
	Paper-covered		90-100% recovered material, including 75-100% postconsumer content	X
	Pressboard		50% recovered material, including 20% postconsumer content	X
	Solid plastic		90% postconsumer high density polyethylene	
	Plastic		30-50% recovered polyethylene, including 30-50% postconsumer content	
	Plastic		100% postconsumer polyethylene terephthalate	
	Plastic		80% postconsumer miscellaneous plastics	
Plastic clipboards (R)	Plastic		90% postconsumer high density polyethylene	
	Plastic		50% postconsumer polystyrene	
	Plastic		15-80% recovered miscellaneous plastics, including 15% postconsumer content	X
Plastic clip portfolios (R)	Plastic		90% postconsumer high density polyethylene	
Plastic desktop accessories (R)	Plastic		25-80% postconsumer Polystyrene	X
	Plastic envelopes (R)	Plastic	25-35% recovered material, including 25% postconsumer content	
	Plastic file folders (R)	Plastic	90% postconsumer high density polyethylene	
	Plastic presentation folders (R)	Plastic	90% postconsumer high density polyethylene	
	Remanufactured printer ribbons (R)		N/A	
	Remanufactured or recycled content toner cartridges (R)		N/A	X
	Water Coolers (ES)		ENERGY STAR	

Additional Resources

EPA's Comprehensive Procurement Guidelines

<http://www.epa.gov/epawaste/conservation/tools/cpg/products/index.htm>

ENERGY STAR

http://www.energystar.gov/index.cfm?fuseaction=find_a_product

AbilityOne

http://abilityone.org/lob/office_supplies.htmlhttp://abilityone.org/lob/cleaning_janitorial.html

R = recycled content (www.epa.gov/cpg)

EE = Energy Star (www.energystar.gov)

Electronic Products

Category	Product	Content Levels
Office Electronics	Battery chargers (ES)	ENERGY STAR
	Combination units/multi-function devices (ES, FEMP)	ENERGY STAR, FEMP Standby Power
	Commercial AV equipment (ES)	ENERGY STAR
	Computers (ES, FEMP, EPEAT)	ENERGY STAR, FEMP Standby Power, and EPEAT
	Copiers (ES, FEMP)	ENERGY STAR and FEMP Standby Power
	Cordless phones (ES, FEMP)	ENERGY STAR, FEMP Standby Power
	Digital displays (large) (ES)	ENERGY STAR (eff. 1/1/2010)
	Digital duplicators (ES)	ENERGY STAR
	Digital-to-analog converter boxes (DTAs) (ES)	ENERGY STAR
	DVD products (ES, FEMP)	ENERGY STAR, FEMP Standby Power
	Docking stations (ES, FEMP)	ENERGY STAR, FEMP Standby Power
	Enterprise servers (ES)	ENERGY STAR (eff. May 2009)
	External power adapters (ES)	ENERGY STAR
	Fax machines (ES, FEMP)	ENERGY STAR and FEMP
	Home audio (ES, FEMP)	ENERGY STAR, FEMP Standby Power
	Mailing machines (ES)	ENERGY STAR
	Monitors (ES, FEMP, EPEAT)	ENERGY STAR, FEMP Standby Power, and EPEAT
	Notebook computers/tablet PCs (ES, EPEAT, FEMP)	ENERGY STAR, EPEAT, FEMP Standby Power
	Picture frames (digital) (ES)	ENERGY STAR
	Printers (ES, FEMP)	ENERGY STAR and FEMP

Electronic Products

Scanners and all-in-ones (ES, FEMP)	ENERGY STAR, FEMP Standby Power
Servers (ES)	ENERGY STAR (version 1, Tier 1 eff. 5/15/2009)
Televisions (ES, FEMP)	ENERGY STAR (version 4 eff. 5/1/2010; version 5 eff. 5/1/2012); FEMP Standby Power

Data Centers Data centers, data center buildings (ES) ENERGY STAR

NOTE: UNICOR offers electronics recycling services.

Additional Resources

ENERGY STAR

http://www.energystar.gov/index.cfm?fuseaction=find_a_product.

<http://www.energystar.gov/datacenters>

FEMP Low Standby Power Initiative

http://www1.eere.energy.gov/femp/technologies/buying_low_standby.html

FEMP's Standby Power Data Center

<http://femp.energy.gov/standby>

Electronic Product Environmental Assessment Tool

<http://www.epeat.net/>

UNICOR Electronics Recycling Program:

<http://www.unicor.gov/Recycling>

CategoryRefrigeration and Air
Conditioning (SNAP, ES)**Product****Content Levels**

Chillers	SNAP
Cold storage warehouses	SNAP
Commercial freezers	ENERGY STAR (eff. 1/1/2010)
Commercial refrigerators	ENERGY STAR (eff. 1/1/2010)
Commercial ice machines	SNAP
Heat transfer	SNAP
Household refrigerators and freezers	SNAP
Ice skating rinks	SNAP
Industrial Process air conditioning	SNAP
Industrial process refrigeration systems	SNAP
Motor vehicle air conditioning	SNAP
Refrigerated transport	SNAP
Residential and light commercial air conditioning and heat pumps	SNAP
Residential dehumidifiers	SNAP
Retail food refrigeration	SNAP
Vending machines	SNAP
Very low temperature refrigeration systems	SNAP
Water coolers	SNAP

Additional Resources

ENERGY STAR

http://www.energystar.gov/index.cfm?fuseaction=find_a_product

Significant New Alternatives Policy (SNAP) Program

<http://www.epa.gov/ozone/snap/lists/index.html>

Category	Product	Available from UNICOR
Renewable Energy (EPA Act 2005)	Biomass	
	Geothermal	
	Hydroelectric (new)	
	Landfill gas	
	Municipal solid waste	
	Ocean (tidal, wave, current, or thermal)	
	Solar	In FY 2009, UNICOR began to manufacture photovoltaic solar panels
	Wind	

Additional Resources

FEMP

http://www1.eere.energy.gov/femp/technologies/renewable_energy.html

National Renewable Energy Laboratory

<http://www.nrel.gov/learning/>

UNICOR

http://www.unicor.gov/about/environmental_sensitivity/ecycleelectronics.cfm

Vehicles

Category	Product	Content Levels
Alternative Fuels	B20 - B100 Biodiesel (AF)	N/A
	E85 Ethanol (AF)	N/A
	Electricity (AF)	N/A
	Hydrogen (AF)	N/A
	Methanol (AF)	N/A
	Natural gas (AF)	N/A
	Propane (AF)	N/A
	P-series (AF)	N/A
Vehicle Maintenance	Diesel fuel additives (BP)	90% biobased content
	Greases - Truck (BP)	71% minimum biobased content
	Mobile equipment hydraulic fluid (R, BP)	25% re-refined oil in the basestock or 44% biobased content
	Penetrating lubricants (BP)	68% biobased content
	Rebuilt vehicular parts (R)	N/A
	Recycled engine coolants (R)	Reclaimed coolant or establish coolant recycling contract
	Re-refined lubricating oils (R)	25% re-refined oil in the basestock
	Retread tires (R)	N/A

Additional Resources

EPA's Comprehensive Procurement Guidelines

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

USDA's BioPreferred Designated Products

<http://www.biopreferred.gov/ProposedAndFinalItemDesignations.aspx>

DOE's Alternative Fuels and Advanced Vehicles Data Center

<http://www.afdc.energy.gov/afdc/>

R = recycled content (www.epa.gov/cpg)

B = biobased content (http://www.biobased.oce.usda.gov)

AF = Alternative Fuels (www.eere.energy.gov/vehiclesandfuels/epact)

Park and Recreation Products

Category	Product	Content Levels	Available from UNICOR
Park and Recreation	Bike racks (R)	25-30% recovered steel, including 16% postconsumer content	
		100% postconsumer high density polyethylene	
	Park benches and picnic tables (R)	100% recovered plastic, including 90-100% postconsumer content	
		100% recovered plastic composites, including 50-100% postconsumer content	
		25% postconsumer aluminum	
		15-40% recovered concrete	
		Steel - See EPA guidance at www.epa.gov/cpg	
	Plastic fencing (R)	90-100% recovered plastic, including 60-100% postconsumer content	
	Playground equipment (R)	100% recovered plastic, including 90-100% postconsumer content	
		95-100% recovered plastic composites, including 50-75% postconsumer content	
		Steel - See EPA guidance at www.epa.gov/cpg	
		25% postconsumer aluminum	
	Playground surfaces (R)	90-100% postconsumer rubber or plastic	
	Running tracks (R)	90-100% postconsumer rubber or plastic	
	Signage (R)	Plastic- 80-100% recovered plastic signs, including 80-100% postconsumer content	
		Aluminum- 25% postconsumer aluminum signs	
		Plastic- 80-100% recovered plastic sign posts/supports, including 80-100% postconsumer content	X
		Steel- See EPA guidance at www.epa.gov/cpg	

NOTE: The EPA recommendations for steel content start at 16%. The Steel Recycling Institute recently announced that all new steel contains a minimum of 28% recycled content.

Additional Resources

EPA's

<http://www.epa.gov/e>

UNICOR

http://www.unicor.gov/industrial_products/signs_routedseals.cfm

Category	Product	Content Levels	Available from AbilityOne	
Cleaning Products	Adhesive and Mastic Removers (BP)	58% minimum biobased content		
	Bathroom and Spa Cleaners (BP)	74% minimum biobased content	X	
	Carpet and Upholstery Cleaners - General Purpose (BP)	54% minimum biobased content	X	
	Carpet and Upholstery Cleaners - Spot Removers (BP)	7% minimum biobased content		
	Dust Suppressants (BP)	85% minimum biobased content		
	Floor Strippers (BP)	78% minimum biobased contentt		
	Glass Cleaners (BP)	49% minimum biobased content	X	
	Graffiti and Grease Removers (BP)	34% minimum biobased content	X	
	Hand Cleaners (BP)	64% minimum biobased content	X	
	Hand Sanitizers (BP)	73% minimum biobased content	X	
	Household Cleaners, General Purpose (BP)	39% minimum biobased content (10/27/2010 compliance date)		
	Industrial Cleaners (BP)	41% minimum biobased content (10/27/2010 compliance date)		
	Laundry Products - General Purpose (BP)	34% minimum biobased content		
	Laundry Products - Pretreatment/ Spot Removers (BP)	46% minimum biobased content		
	Multipurpose cleaners (BP)	56% minimum biobased content		
	Sorbents (BP)	89% minimum biobased content	X	
	Paper and Plastic Janitorial Supplies	Bathroom tissue (R)	20-100% recovered fiber, including 20-60% postconsumer fiber	X
		Facial tissue (R)	10-100% recovered fiber, including 10-15% postconsumer fiber	X
		General purpose industrial wipers (R)	40-100% recovered fiber, including 40% postconsumer fiber	X
Paper towels (R)		40-100% recovered fiber, including 40-60% postconsumer fiber	X	
Plastic trash bags (R)		10-100% postconsumer plastic	X	

Additional Resources

EPA's Comprehensive Procurement Guidelines

<http://www.epa.gov/epawaste/conservation/tools/cpg/products/index.htm>

USDA's BioPreferred Designated Products

<http://www.biopreferred.gov/ProposedAndFinalItemDesignations.aspx>

AbilityOne

http://abilityone.org/lob/cleaning_janitorial.html

http://abilityone.org/lob/custodial_services.html

Category	Product	Content Levels	Available from AbilityOne
Cafeteria Services	Disposable containers (BP)	72% minimum biobased content	
	Disposable cutlery (BP)	48% minimum biobased content	X
	Paper napkins (R)	30-100% recovered fiber, including 30-60% postconsumer fiber	X
	Paper tray liners (R)	100% recovered fiber, including 50-75% postconsumer fiber	
Cafeteria Equipment and Products	Beverage vending machines (ES)	ENERGY STAR (new energy conservation standards eff. 09/31/2012)	
	Commercial hot food holding cabinets (ES)	ENERGY STAR	
	Commercial freezers (ES)	ENERGY STAR (revised ES eff. 1/1/2010)	
	Commercial refrigerators - solid door (ES)	ENERGY STAR (revised ES eff. 1/1/2010)	
	Commercial refrigerators - glass door (ES)	ENERGY STAR (eff. 1/1/2010)	
	Commercial ice machines (ES)	ENERGY STAR	
	Commercial pressureless steamers (ES)	ENERGY STAR	
	Commercial fryers (ES)	ENERGY STAR	
	Food cleaners (BP)	53% minimum biobased content	
	Griddles (ES)	ENERGY STAR (revised ES eff. 5/8/2009)	
	Ice machines (FEMP)	FEMP	
	Ovens (ES)	ENERGY STAR (revised ES eff. 5/16/2009)	

NOTE: Other cafeteria items like molded pulp trays can contain recycled content and/or biobased content materials.

Additional Resources

EPA's Comprehensive Procurement Guidelines

<http://www.epa.gov/epawaste/conservation/tools/cpg/products/index.htm>

USDA's BioPreferred Designated Products

<http://www.biopreferred.gov/ProposedAndFinalItemDesignations.aspx>

ENERGY STAR

http://www.energystar.gov/index.cfm?fuseaction=find_a_product.

The Federal Energy Management Program

http://www1.eere.energy.gov/femp/technologies/eep_purchasingspecs.html

AbilityOne

http://abilityone.org/lob/food_services_operating_supplies.html

Category	Product	Content Levels
Hydraulic Fluids	Hydraulic fluids - stationary equipment (BP)	44% minimum biobased content
	Hydraulic fluids - mobile equipment (R, BP)	25% re-refined oil in the basestock or 44% minimum biobased content
Oils, Lubricants, Grease	2-cycle engine oils (BP)	34% minimum biobased content
	Concrete and asphalt release fluids (BP)	87% minimum biobased content
	Chain and cable lubricants (BP)	77% minimum biobased content (10/27/2010 compliance)
	Engine lubricating oils (R)	25% re-refined oil in the basestock
	Forming lubricants (BP)	68% minimum biobased content (10/27/2010 compliance date)
	Gear lubricants (R, BP)	25% re-refined oil in the basestock or 58% minimum biobased content
	Greases - general (BP)	49% minimum biobased content
	Greases - food grade (BP)	42% minimum biobased content
	Greases - multipurpose (BP)	72% minimum biobased content
	Greases - rail track (BP)	30% minimum biobased content
	Greases - truck (BP)	71% minimum biobased content
	Firearm lubricants (BP)	49% minimum biobased content
	Metalworking fluids - general purpose soluble, semi-synthetic, and synthetics oils (BP)	57% minimum biobased content
	Metalworking fluids - high performance soluble, semi-synthetic, and synthetics oils (BP)	40% minimum biobased content
	Metalworking fluids - straight oils (BP)	66% minimum biobased content
	Penetrating lubricants (BP)	68% minimum biobased content

Additional Resources

EPA's Comprehensive Procurement Guidelines

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

USDA's BioPreferred Designated Products

<http://www.biopreferred.gov/ProposedAndFinalItemDesignations.aspx>

Miscellaneous Products

Category	Product	Content Levels	Available from AbilityOne
Adhesives, Coatings, and Inks (SNAP)		SNAP	
Aerosols (SNAP)	Propellants	SNAP	
	Solvents	SNAP	
Bedding (BP)	Bedding/bed linens/towels - excluding cotton, wool, linen and silk	12% biobased content	
Blasting grit (R)	Alumina oxide	100% postconsumer fused alumina oxide	
	Coal ash	100% recovered bottom ash	
	Glass	100% postconsumer glass	
	Glass/plastic	100% recovered glass/plastic, including 20% postconsumer content	
	Slag	100% covered coal slag	
	Slag	100% recovered copper and nickel slag	
	Steel	25-100% recovered steel, including 16-67% postconsumer content	
	Walnut shells	100% recovered walnut shells	
Cleaning solvents (SNAP)	Metal cleaning	SNAP	
	Electronics cleaning	SNAP	
	Precision cleaning	SNAP	
Corrosion preventatives (BP)		54% minimum biobased content (10/27/2010 compliance date)	
De-Icers - general purpose (BP)		93% minimum biobased content	
Dehumidifiers (ES)		ENERGY STAR	
Electric motors (FEMP)		FEMP (new standards for small electric motors eff. 03/09/2015)	
Films (BP)	Non-durable	85% minimum biobased content	
	Durable films	45% minimum biobased content	
Industrial cleaners (BP)		41% minimum biobased content (10/27/2010 compliance date)	
Industrial drums (R)	Steel drums	25-30% recovered steel, including 16% postconsumer content	
	Plastic drums	30-100% recovered high density polyethylene, including 30-100% postconsumer content	
	Fiber drums	100% postconsumer paper	
Lip care products (BP)		82% minimum biobased content	
Manual-grade strapping (R)	Polyester strapping	50-85% recovered polyethylene terephthalate, including 50-80% postconsumer content	
	Polypropylene strapping	10-40% recovered polypropylene	
	Steel strapping	Steel - See EPA guidance at www.epa.gov/cpg	
Mats (R)	Rubber	85-100% recovered rubber, including 75-100% postconsumer content	X
	Plastic	100% recovered plastic, including 10-100% postconsumer content	

R = recycled content (www.epa.gov/cpg)

B = biobased content (<http://www.biobased.oce.usda.gov>)

Miscellaneous Products

	Rubber/plastic	100% postconsumer rubber/plastic composite	
Pallets (R)	Wooden pallets	95-100% postconsumer wood	
	Plastic pallets	100% postconsumer plastic lumber	
	Plastic pallets	25-50% postconsumer thermoformed	
	Paperboard pallets	50% postconsumer paperboard	
Parts wash solution (BP)		65% minimum biobased content (10/27/2010 compliance date)	
Picture frames (digital)		ENERGY STAR	
Room air cleaners (ES)		ENERGY STAR	
Sorbents (R, BP)	Biobased	89% minimum biobased content	
	Paper	100% recovered paper, including 90-100% postconsumer content	
	Organic/multi materials	100% recovered other organics/multi-materials	
	Plastic	25-100% recovered plastics	
	Textiles	95-100% recovered textiles, including 95-100% postconsumer content	
	Wood	100% recovered wood	
Sterilants (SNAP)		SNAP	
Transformers (ES, BP)		ENERGY STAR	
	Fluid-filled transformers (BP)		
	Synthetic ester-based	66% minimum biobased content	
	Vegetable oil-based	95% minimum biobased content	
Water tank coatings (BP)		59% minimum biobased content	
Wood and concrete sealers (BP)	Membrane concrete sealers	11% minimum biobased content	
	Penetrating liquids	79% minimum biobased content	

NOTES: Also see the Refrigeration and Air Conditioning spreadsheet. The EPA recommendations for steel content start at 16%. The Steel Recycling Institute recently announced that all new steel contains a minimum of 28% recycled content.

Additional Resources

EPA's Comprehensive Procurement Guidelines
<http://www.epa.gov/epawaste/conserves/tools/cpg/products/index.htm>

USDA's BioPreferred Designated Products
<http://www.biopreferred.gov/ProposedAndFinalItemDesignations.aspx>

ENERGY STAR
http://www.energystar.gov/index.cfm?fuseaction=find_a_product.

The Federal Energy Management Program
http://www1.eere.energy.gov/femp/technologies/eep_purchasingspecs.html

Significant New Alternatives Policy (SNAP) Program
<http://www.epa.gov/ozone/snap/lists/index.html>

AbilityOne
http://abilityone.org/lob/hardware_paints_equipment.html

R = recycled content (www.epa.gov/cpg)
 B = biobased content (http://www.biobased.oce.usda.gov)