

2007

CPG

COMPREHENSIVE
PROCUREMENT
GUIDELINES

Buy-Recycled Series

PARK & RECREATION PRODUCTS

Want to go the extra mile for your community? Buying recycled-content playground equipment and other recreational products is cost-effective, easy to do, and a good way to keep our outdoors green. You also can provide

long-lasting protection for sand dunes at your community's beaches using plastic fencing made from recovered plastics.

To make it easier to buy recycled, the U.S. Environmental Protection Agency (EPA) periodically updates the Comprehensive Procurement Guidelines (CPG). Through the CPG, EPA designates items that must contain recycled materials when purchased with appropriated federal funds by federal, state, and local agencies, or by government contractors. Several park and recreation products are among these items. EPA's research shows that the items designated in the CPG are of high quality, widely avail-

able, and cost-competitive with virgin products. EPA also issues

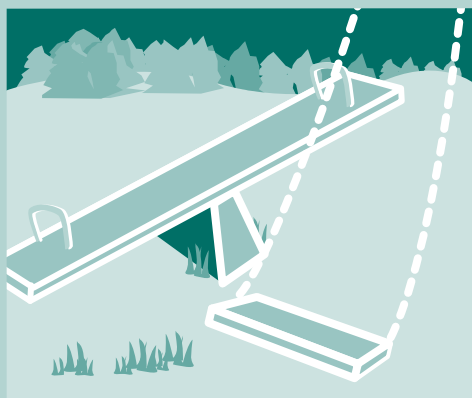
nonregulatory companion guidance—the Recovered Materials Advisory Notice (RMAN)—that recommends levels of recycled content for these items.

Why Buy Recycled?

Recycling is more than just dropping off your cans, bottles, and newspapers at the curb or at a local collection facility. Diverting recyclables from the waste stream is only the first of three steps in the recycling process. The second step occurs when companies use these recyclables to manufacture new products. The third step comes when you purchase products made from recovered materials.

Buying recycled products results in many environmental benefits. It supports local recycling programs by creating markets for the collected materials that are processed and used to manufacture new products. This creates jobs and helps strengthen the economy; conserves natural resources; saves energy; and reduces solid waste, air and water pollutants, and greenhouse gases that contribute to global warming.

PARK & RECREATION



Buying recycled products...

- ...conserves natural resources
- ...saves energy
- ...reduces solid waste
- ...reduces air and water pollutants
- ...reduces greenhouse gases
- ...creates new jobs



EPA530-F-07-040
www.epa.gov/osw
October 2007

What Is CPG?

The Resource Conservation and Recovery Act (RCRA) requires procuring agencies to buy recycled-content products designated by EPA in the CPG. Issued in May 1995, the first CPG designated 19 new products, including playground surfaces and running tracks, and incorporated five previously designated items in eight product categories. The first CPG update (CPG II) was published in November 1997 and designated an additional 12 products, including plastic fencing. A second CPG update (CPG III) was published in January 2000 and designated an additional 18 products, including park benches, picnic tables, and playground equipment. The third CPG update (CPG IV) was published in April 2004, designating seven new products. The fourth CPG update (CPG V), published in September 2007, designated one new item and revised another designation. Neither of the last two updates designated any new park and recreation products. For more information, visit www.epa.gov/epaoswer/non-hw/procure/about.htm.

Procuring agencies include all federal agencies, and any state or local government agencies or government contractors that use appropriated federal funds to purchase the designated items. If your agency spends more than \$10,000 per year on a product designated in the CPG, you are required to purchase it with the highest recycled-content level practicable. The CPG also applies to lease contracts covering designated items. Executive Order (E.O.) 13423 and the Federal Acquisition Regulation also call for an increase in the federal government's use

of recycled-content and environmentally preferable products.

Once any new items are designated in a published CPG update, an agency has 1 year to develop an affirmative procurement program (or revise an existing one) to include these new items. In previous years, agencies have had to revise their affirmative procurement programs to incorporate buy-recycled requirements for items such as playground surfaces, running tracks, plastic fencing, park benches, picnic tables, and playground equipment. This effort might have involved reviewing specifications for those products and eliminating provisions that pose barriers to procuring them with recycled content (such as aesthetic requirements unrelated to product performance). Since CPG V designates no new park and recreation products, agencies are not required to revise this portion of their affirmative procurement program.

The CPG acknowledges that specific circumstances might arise that preclude the purchase of products made with recovered materials. Your agency may purchase designated items that do not contain recovered materials if it determines that: 1) the price of a given designated item made with recovered materials is unreasonably high; 2) there is inadequate competition (not enough sources of supply); 3) unusual and unreasonable delays would result from obtaining the item; or 4) the recycled-content item does not meet an agency's reasonable performance specifications.



How Do I Purchase Recycled-Content Park & Recreation Products?

EPA issues purchasing guidance in RMANs, which are designed to make it as easy as possible to buy the designated items. The RMANs recommend recycled-content levels to look for when purchasing park and recreation products, as shown in the table below. Following the RMANs' recommended levels will help ensure your affirmative procurement program and standards meet the buy-recycled requirements. The RMANs also provide other purchasing guidance. Please refer to www.epa.gov/cpg/products.htm for more information on individual products.

Rather than specifying just one level of recycled content, the RMANs recommend ranges that reflect actual market conditions. The recommendations are based on market research identifying recycled-content products that are commercially available, are competitively priced, and meet buyers' quality standards.

Access EPA's online recycled-content products database by going to www.epa.gov/cpg and selecting "Supplier Database." See the last section of this resource guide for other helpful resources.

EPA's Recommended Content Levels for Park & Recreation Products

PARK & RECREATION PRODUCT ¹	MATERIAL	POST-CONSUMER RECOVERED CONTENT ²	TOTAL RECOVERED CONTENT ²
Park Benches and Picnic Tables	Plastic ³	90–100%	100%
	Plastic Composites	50–100%	100%
	Aluminum	25%	—
	Concrete	—	15–40%
	Steel ⁴	16% 67%	25–30% 100%
Plastic Fencing for Specified Uses ⁵	Plastic	60–100%	90–100%
Playground Equipment	Plastic ³	90–100%	100%
	Plastic Composites	50–75%	95–100%
	Steel ⁴	16% 67%	25–30% 100%



PARK & RECREATION PRODUCT ¹	MATERIAL	POST-CONSUMER RECOVERED CONTENT ²	TOTAL RECOVERED CONTENT ²
Playground Surfaces	Plastic or Rubber	90–100%	—
Running Tracks	Plastic or Rubber	90–100%	—

- ¹ EPA's recommendations do not preclude a procuring agency from purchasing these items manufactured from another material. They simply require that a procuring agency purchase these items made with recovered materials when these items meet applicable specifications and performance requirements. Federal agency installations of these products must comply with applicable state or local construction codes, as well as standards set by the Consumer Product Safety Commission and the Americans with Disabilities Act.
- ² The recommended recovered materials content levels are based on the dry weight of the raw materials, exclusive of any additives such as adhesives, binders, or coloring agents.
- ³ "Plastic" includes both single and mixed plastic resins. Park benches and picnic tables made with recovered plastic also may contain other recovered materials, such as sawdust, wood, or fiberglass. The percentage of these materials contained in the product also would count toward the recovered materials content level of the item.
- ⁴ The recommended recovered materials content level for steel in this table reflects the fact that the designated items can be made from steel manufactured from either a Basic Oxygen Furnace (BOF) or an Electric Arc Furnace (EAF). Steel from the BOF process contains 25–30 percent total recovered materials, of which 16 percent is post-consumer steel. Steel from the EAF process contains a total of 100 percent recovered steel, of which 67 percent is post-consumer.
- ⁵ Designation includes fencing containing recovered plastic for use in controlling snow or sand drifting and as a warning/safety barrier in construction or other applications.

How Can I Get More Information?

This resource guide and the following resources on buying recycled-content products can be accessed on the Internet.



Information Available From EPA

- **The CPG:** <www.epa.gov/cpg>. This site describes EPA's effort to facilitate the procurement of products containing recovered materials, including information on CPG and RMANs, and an online database of manufacturers and suppliers of designated items.
- **EPA CPG Program:** <www.epa.gov/cpg/pdf/cpg-fs.pdf>. This resource guide provides general information about the CPG and the development of affirmative procurement programs.
- **Environmentally Preferable Purchasing (EPP):** <www.epa.gov/epp>. EPA's EPP program encourages and assists federal agencies in purchasing environmentally preferable products and services. The site explains EPA's proposed guiding principles for including environmental performance in purchasing decision-making, and posts case studies of successful pilot projects in both the public and private sectors.
- **Jobs Through Recycling:** <www.epa.gov/jtr>. EPA's Jobs Through Recycling program stimulates economic growth and recycling market development by assisting businesses and supporting a network of state and regional recycling contacts. This Web site provides information on financing and technical assistance for recycling businesses, as well as other market development tools.
- **Municipal Solid Waste:** <www.epa.gov/msw>. This site includes information on recycling, source reduction, and reuse. It contains state municipal solid waste data and the latest facts and figures on waste generation and disposal.



- **WasteWise:** <www.epa.gov/wastewise>. WasteWise is a free, voluntary EPA program through which organizations eliminate costly municipal solid waste, benefitting their bottom line and the environment. The program provides hands-on assistance to members to help them purchase or manufacture recycled-content products, prevent waste, and recycle solid waste materials.
- **Federal Register (FR):** <www.epa.gov/cpg/background.htm> and <www.epa.gov/epaoswer/non-hw/procure/about.htm>. Notices promulgating CPG I (60 FR 21370) and RMAN I (60 FR 21386), May 1, 1995. FR notices promulgating CPG II (62 FR 60961) and RMAN II (62 FR 60975), November 13, 1997. FR notices promulgating CPG III (65 FR 3070) and RMAN III (65 FR 3082), January 19, 2000. FR notices promulgating CPG IV (69 FR 24028) and RMAN IV (69 FR 24039), April 30, 2004. FR notices promulgating CPG V (72 FR 52475) and RMAN V (72 FR 52561), September 14, 2007.
- **Office of the Federal Environmental Executive (OFEE):** <www.ofee.gov>. OFEE's mission is to advocate, coordinate, and assist environmental efforts of the federal community in waste prevention, recycling, affirmative procurement of CPG items, and the acquisition of recycled and environmentally preferable products and services.
 - **Greening the Government: A Guide to Implementing Executive Order 13101:** <www.ofee.gov/eo/greening.pdf>. This guide provides detailed information on the requirements of E.O. 13101, which established a process for amending the CPG and issuing RMANs. E.O. 13101 preceded E.O. 13423 and established many requirements and definitions that are still in effect. Updated in February 2001, the E.O. is available from OFEE at <www.ofee.gov>.
 - **Executive Order 13423: Strengthening Federal Environmental, Energy, and Transportation Management:** <http://ofee.gov/eo/eo13423_main.asp>. Published in January 2007, this Order replaced E.O. 13101 and requires federal agencies to purchase green products and services, including recycled-content products, energy- and water-efficient products, biobased products, and environmentally preferable products and services. Although E.O. 13423 revoked E.O. 13101, EPA continues to follow certain procedures of E.O. 13101 since they are consistent with the requirements of RCRA 6002 (e).
 - **Federal Green Purchasing Program:** <www.ofee.gov/gp/gp.asp>. This program assists federal agencies to promote the acquisition of recycled-content, environmentally preferable, and biobased products; non-ozone depleting substances; and products containing alternatives to certain priority chemicals. Training tools and other green purchasing guidance are available.



Other Government Sources

- **U.S. General Services Administration (GSA) Environmental Products Overview:** <www.gsa.gov/Portal/gsa/ep/channelView.do?pageTypeId=8207&channelPage=/ep/channel/gsaOverview.jsp&channelId=-12972>. GSA offers a variety of environmental products and services to its federal customers to assist them in their efforts to comply with procurement responsibilities outlined in federal environmental laws and regulations. This overview contains information about environmentally oriented products and services in the Federal Supply Service Supply System. To access GSA Advantage!, GSA's Internet-based ordering system, and order any GSA product, visit <www.gsaadvantage.gov>.
 - **Park and Outdoor Recreational Equipment, Federal Supply Schedule Group 78, Part 1, Schedule C, Classes 7830:** Lists a variety of park and recreation products available for purchase. For more information, contact GSA.
 - **Environmental Products Guide:** <www.gsa.gov/Portal/gsa/ep/home.do?tabId=2>. This guide is designed to help procurement officials identify environmentally preferable products and services. It contains nearly 3,000 items, including many recycled-content products.
- **Federal Trade Commission:** <www.ftc.gov/bcp/gnrule/guides980427.htm>. The Federal Trade Commission issued Guides for the Use of Environmental Marketing Claims in May 1998.
- **California Recycled-Content Product Database:** <www.ciwmb.ca.gov/RCP>. This site contains information on reasons to buy recycled-content products and how to procure them, and provides access to a database with information on products, as well as manufacturers, distributors, reprocessors, mills, and converters across the country who procure or produce these products.



- **King County Recycled Product Procurement Program:** <www.metrokc.gov/procure/green/index.htm>. This site describes the tools and techniques developed by King County, Washington, agencies for purchasing recycled products.



Additional Sources

- **Buy Recycled Business Alliance:** <www.nrc-recycle.org>. The Alliance includes over 3,200 companies and organizations committed to increasing their use of recycled-content products and materials in their day-to-day operations. The Alliance offers educational materials, a quarterly newsletter, and product-specific guides. Public purchasing entities can join for free.
- **Official Recycled Products Guide:** <www.dep.state.pa.us/wm_apps/recycledproducts/>. This directory lists more than 5,000 manufacturers and distributors of recycled-content products.
- **Recycled Plastic Products Source Book:** <www.americanplasticscouncil.org>. This booklet lists more than 1,400 plastic products from approximately 300 manufacturers.
- **Recycling Data Network Information Services:** <www.recyclingdata.com/contents.htm>. This commercial Web site provides access, on a subscription basis, to a recycled-content products database of over 4,500 listings in 700 product classifications. It also provides a reference library and a newsletter. Managed by the publisher of the Official Recycled Products Guide, the product database is considered to be the largest of its kind.

