

National Park Service Pacific West Region Green Janitorial Products & Practices

RECOMMENDED PRACTICES

INTRODUCTION:

The idea behind using most janitorial products is to make places *clean* – not caustic, corrosive, contaminated, and costly. Many cleaning products on the market contain hazardous chemicals, use unnecessary dyes and fragrances, and have cumulative negative effects on the environment and its inhabitants - that includes us.

To promote the safety of employees using cleaning products, other staff, the public, and the living systems around us, parks such as Yellowstone NP, Fort Vancouver NHS, Mount Rainier NP, Cape Cod NS, and communities such as the City of Santa Monica, have reassessed their cleaning practices and products. These projects have not only produced positive effects within the parks and the community, but they have also provided great examples for other parks, the public, and this guide to follow.

By taking steps toward more environmentally responsible procurement, we can save money, help prevent pollution, and protect the health of our cleaning staff. This guide gives an introduction to the many things that can be done by parks and individuals to promote a cleaner, healthier environment – both indoors and outdoors. It is a summary of information from reliable sources on green procurement and janitorial practices. Such sources include Green Seal, the Janitorial Products Pollution Prevention Project (JP4), and DOI/NISH's *Greening the Janitorial Business* workshop binder. (For additional references, please see the list of sources and links at the end of this document) This Guide is a beginning source of information, one that can be built upon with more comprehensive documents, courses, in-depth reading, and first-hand experience.

The practices recommended below provide ideas on how to contribute to the great strides being made in supporting the National Park Service mission. They are also in keeping with the following federal requirements:

Comprehensive Procurement Guidelines (CPG)

Through Section 6002 of the Resources Conservation and Recovery Act (RCRA) and EO 13101, the EPA was required to designate recycled-content products and to recommend practices for federal agencies to buy these products. The EPA developed the CPG program to

provide such guidance, and to ensure that federal agencies, by purchasing environmentally preferable products, promote markets and jobs to produce such products. Procuring agencies are required to purchase designated items, and to purchase them with the highest recovered material content practicable. Many janitorial supplies are designated products, and are required to meet CPG standards.

www.epa.gov/cpg

Executive Order 13101 Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition, 1998

Federal procurement officers are required to consider environmental factors in their purchasing and contracting, under the guidance of the EPA's Environmentally Preferable Purchasing (EPP) program.

www.epa.gov/opptintr/epp/docback.htm

Federal Acquisition Regulation (FAR), August 2000

Executive agencies are required by Section 23.703 of the FAR to consider environmental factors when purchasing products and services. Agencies must:

- maximize the use of environmentally preferable products and services
- maximize the use of energy-efficient products
- eliminate or reduce the generation of hazardous waste
- promote the use of non-hazardous and recovered materials
- realize lifecycle cost savings
- promote cost-effective waste reduction
- consider the use of biobased products

www.arnet.gov/far

Products and practices noted in this guide also receive support from the following regional guidance under the PWR Directive PW-051:

Pacific West Region's 100+ Best Management Practices – Defining What a Green Park Looks Like

Recommends parks convert to green products and practices as one of the “ten low-hanging fruit” that has a significant impact on the environment. Parks should:

- conduct an inventory and review of all cleaning supplies
- substitute non-toxic products for undesirable (hazardous/toxic) products
- evaluate cleaning practices to use less product, and use antibacterial or disinfectant only where necessary
- buy unbleached toilet paper and paper towels with high post-consumer content
- purchase plastic trash bags with high recycled content or purchase biodegradable cornstarch bags

www.nps.gov/renew/npsbmp.doc

Environmental Purchasing in the National Park Service – A How-To Guide

This guide is referenced in the PWR Directive PW-051 and serves as the Pacific West Region's Affirmative Procurement Plan and Green Procurement Plan as referenced under the Environmental Audit Program's Green Procurement Envirocheck Sheet. It provides parks with background information and procedural and operational information on how to purchase environmental products and services including janitorial products and practices such as:

- using recycled content items such as bathroom tissue, paper towels, and plastic trash bags
- using chlorine-free products such as bathroom tissue and paper towels
- evaluating current practices to determine more efficient, effective practices
- reducing the overall number of products used and eliminating unnecessary products

To be posted at: <http://pfmd.nps.gov/HAZMAT/> and the Inside.NPS.gov Pacific West Region website.

RECOMMENDATIONS:

- **Initiate park programs that promote the analysis of current products and practices, that include and train the staff using cleaning products, and that have full support and input from all levels of park personnel.**
- **To better ensure the success of a switchover, seek out employees that are "natural champions" at the grass roots level. This will reinforce efforts with support from the bottom-up.**
- **Obtain concessioner buy-in early in the process, so they can parallel implementation procedures with the park.**
- **Set up a review committee made up of a cross-section of disciplines to examine new or additional products after the switchover is complete. Examine all aspects of new products (MSDS, cost, meets all criteria, etc.) before approval for park-wide use.**
- **Set strict criteria for product selection (examples include the City of Santa Monica and Yellowstone NP).**
- **Purchase cleaning products with the following characteristics (based on Green Seal standards):**
 - comes in concentrated form
 - non-aerosol cans
 - non-toxic ingredients (no carcinogens or hazardous wastes)/non-toxic to human or aquatic life
 - packaged in recyclable/reusable container (minimal waste) that is designed to reduce exposure to the product
 - based on renewable resources such as biobased products, citrus, seed, vegetable, or pine oils, and are not petroleum based or petrochemical compounds
 - produces minimal or no irritation to skin, eyes, respiratory system
 - has the lowest VOC levels (See the chart below on allowable VOC content of specific cleaning products – aim for lowest)
 - not corrosive or highly flammable
 - has a pH level between 2.5 and 12, or as close to neutral (7) as possible
 - works optimally in room temperature water
 - contains none of the hazardous chemicals on the JP4 website or the reference list in this guide
 - contains no ozone-depleting compounds
 - does not use unnecessary dyes and fragrances
 - biodegradable

Allowable VOC Content on Cleaning Products

(Taken from *Inform's* "Cleaning for Health: Products and Practices for a Safer Indoor Environment")

Product Category	Federal Limit for VOC Dilution**	Green Seal Standard Limit
Air fresheners, Liquids/pump sprays	70%	-
Air fresheners, Solids/gels	3%	-
Bathroom and tile cleaners (non-aerosol)	5%	1%
Floor polishes/Waxes for flexible flooring materials	7%	-
Floor polishes/Waxes for nonresilient flooring	10%	-
Wood floor wax	90%	-
Furniture maintenance products, aerosols	25%	-
General-purpose cleaners	10%	1%
Glass cleaners, non-aerosol	8%	3%
Oven cleaners, liquid	5%	-
* Note that states or localities may have more stringent limits. This table refers to the VOC level allowed in the ready-to-use product. To calculate the VOC level from an MSDS for a concentrate, divide the VOC level on the MSDS by the recommended dilution factor.		
** Code of Federal Regulations, Title 40, Chapter I, Part 59, "National Volatile Organic Compound Emission Standards for Consumer and Commercial Products."		
(-) signifies that no standard has been set or that no information is available on this type of product.		

- **For non-chemical products, look for recycled products with the following characteristics:**
 - do not use de-inking solvents containing chlorine or other chemicals listed in the Emergency Preparedness and Community Right-to-Know Act; do not use (chlorine) bleach (for paper and tissue products)
 - avoid unnecessary dyes, inks, or fragrances
 - contain highest post-consumer recycled content possible (Use EPA's CPG recommended recovered content % as a guide)
 - promote waste reduction (such as coreless toilet paper, paper towel rolls rather than sheets, minimal packaging, etc.)

- **Reduce the total number of products purchased. Eliminate combined cleaner/disinfectant products, and use disinfectants *only when and where necessary*. This includes:**
 - knowing what organisms the park is really trying to reduce/disinfect against (Disinfectants are formulated to target certain organisms or combination of organisms. It is important to use the right product for the right place)
 - knowing what surfaces do (or do not) need to be disinfected, and how often
 - cleaning surfaces thoroughly *before* disinfecting (Disinfectants can only be effective through contact - A layer of surface grime is likely to prevent sufficient contact)
 - using proper disinfectant mixing and cleaning procedures (This includes leaving disinfectants in place for the correct amount of time before wiping surfaces clean)

- **Learn how to read and use Material Safety Data Sheets (MSDS), and know their limitations (they may not contain all ingredient information that companies consider proprietary information).**
- **Eliminate the use of products containing chemicals hazardous to the environment and/or to those using the products. For an up-to-date listing and rating of hazardous chemicals, see the information provided by the Janitorial Products Pollution Prevention Project at www.westp2net.org/janitorial/tools/riskevaluation.htm.**

The following is a beginning reference list hazardous chemicals to avoid, or chemicals considered severe pollutants:

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| • Acetone | • Ethoxylated Alcohols | • Propane Napntha |
| • Ammonia | • Glycol Ethers | • Selenium |
| • Ammonia Hydroxide | • Hydrocarbon Solvent – environmental | • Sodium Dodecylbenzene Sulfonate |
| • Ammonium Hydroxide | • Hydrochloric Acid (Muriatic Acid) | • Sodium Hydroxide* |
| • Ammonia Salt of Nonylphenoxy Polyethanol | • Isopropyl Alcohol | • Sodium Hypochlorite/Hypochloric Acid |
| • Arsenic | • Lead | • Sodium Phosphate |
| • 2 – Butoxyethanol | • Mercury | • Sodium Sulfate |
| • Butyl Cellosolve | • Mineral (Seal) Oils (Teratogen) | • Sodium Tripolyphosphate |
| • Cadmium | • Naphthalene | • Sodium Xylene Sulfonate |
| • *Caustic Soda | • Nickel | • Synthetic Dye |
| • Chlorine/Chlorine Bleach | • Nitrioltriacetic Acid (NTA) | • Synthetic Fragrance |
| • Chromium | • Perchloroethylene | • Terpene |
| • Diethylene Glycol Ether – environmental | • Phenolic Compounds | • Tetrachloroethylene |
| • Dimethyl Carbbinol | • Phosphates and Derivatives | • 1,1,1 Trichloroethane |
| • Dodecyl Benzene Sulfonate | • Phosphoric Acid | • Toluene |
| • Ethanol | • Polyethoxy Ethanol | • Xylene |
| • Ethylene Diamine Tetraacetic Acid (EDTA) | • Polyethylene Glycol – environmental | |
| | • Polyoxyethylene Monoctylphenyl Ether | |
| | • Potassium Hydroxide | |

- **Train and educate staff on proper storage, mixing, and use of products. Learn efficient cleaning methods and don't assume knowledge of how to use new products. Emphasize safety, and that mixing products at higher concentrations is not more effective, just wasteful and potentially hazardous.**
- **Provide mixing stations in several locations to reduce product waste and encourage proper dilution. Consider an automatic dispensing and/or mixing system for accurate dilution and safe use.**
- **Ensure proper disposal of hazardous materials and their empty containers.**

- **Follow and set good examples. Provide public education signs so visitors are aware of the important things the National Park Service is doing.**
- **Monitor the progress of your program, address concerns, and make adjustments or updates.**
- **Where applicable, strive to involve gateway communities, local governments, and private businesses in the expansion of your efforts. This may be easier than you think.**
- **Continuously search for ways to improve health, safety, effectiveness, and environmental responsibility.**

LINKS & SOURCES:

ASTM, see Standard E—1971—98 “Guide for Stewardship for the Cleaning of Commercial and Institutional Buildings”
www.astm.org/

The City of Santa Monica’s Environmental Purchasing, A Case Study
www.epa.gov/opptintr/epp/pdfs/santa.pdf

EPA’s Cleaning Product Attributes Ranking Tool
www.epa.gov/oppt/epp/cleaners/select/

EPA Office of Pollution Prevention and Toxics
www.epa.gov/opptintr

GSA Advantage
www.gsaadvantage.gov

GSA Environmental Products & Services Guide
<http://pub.fss.gsa.gov/environ>

Green Seal
www.greenseal.org

Inform – Cleaning for Health: Products and Practices for a Safer Indoor Environment
www.informinc.com

Janitorial Products Pollution Prevention Project
www.westp2net.org/Janitorial/jp4.htm

United States Department of the Interior, NISH. Greening the Janitorial Business. Workshop reference manual, June 2001, San Francisco. Washington: GPO, 2001.

Greening the Janitorial Business, How to Select and Use Safe Janitorial Chemicals. Workshop binder, June 2001, San Francisco. Washington: GPO, 2001.

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PRODUCT GUIDE								
CATEGORY	PRODUCT NAME	VENDOR STOCK #	SOLD ON GSA?	UNIT	PRICE *	VENDOR	USER/ REFERENCE	
AIR FRESHENER	<i>Air Scense</i> orange, vanilla, lavender, or lime scent	AS-71007		7 fl oz Bottle	\$6.01	Citra-Solv, Inc. (203) 778-0881	FOVA	
	<i>Air Freshener</i> natural ingredients, many scents available	AK-45	X	5 Gallon Pail	\$39.95	Alfa Kleen (800) 676-0059	Green Seal	
BATHROOM & TOILET CLEANERS	<i>Basin, Tub & Tile</i> all bathroom surfaces, biodegradable	N-7	X	4x1 Gallon Case	\$35.06	Clean Environment Co (402) 464-0988	Green Seal, JP4** Yellowstone NP, Mt. Rainier NP	
	<i>Basin, Tub and Tile Cleaner</i> biodegradable, non-toxic, concentrated	NY4		4x1 Gallon Case	\$18.00 per Gal	Naturally Yours (417) 889-3995	JP4**,YOSE, YELL Green Seal, City of Santa Monica	
	<i>Bath and Tile Cleaner</i> biodegradable	1101-1		4x1 Gallon Case	\$35.80	Ecolink/The Leaf Project Products (800) 886-8240	JP4**	
	<i>Deodorizing Bathroom Cleaner Concentrate</i> no fragrances or dyes, non-toxic	01DBC16		16 oz. Bottle	\$3.95	EnviroSmart Products (866) 541-6909	Green Seal	
	<i>Tile, Chrome & Porcelain Spray</i> biodegradable, non-toxic	AK-011-5	7930-01-381-5945	X	5 Gallon Pail	\$36.75	Alfa Kleen (800) 676-0059	Green Seal
	<i>Clinging Toilet Bowl Cleaner</i> biodegradable, non-toxic, concentrated	NY7		4x1 Gallon Case	\$21.00 per Gal	Naturally Yours (417) 889-3995	JP4**,YOSE, YELL Green Seal, City of Santa Monica	
	<i>Enviro-Care Washroom and Fixture Cleaner</i> biodegradable, non-hazardous	12002027	JWOD product	X	4x1 Gallon Case	\$19.18 per Gal	Rochester Midland (716) 336-2308	JP4**, Green Seal, Cape Cod NS
	<i>Super Orange Cleaner</i> hard surfaces, floors, walls, biodegradable, concentrated	N-46		X	5 Gallon Pail	\$37.04	Clean Environment Co (402) 464-0988	Yellowstone NP Green Seal

CATEGORY	PRODUCT NAME	VENDOR STOCK #	SOLD ON GSA?	UNIT	PRICE*	VENDOR	USER/ REFERENCE
DISINFECTANTS	<i>Cycle Disinfectant</i> primarily for bathrooms, non-toxic, non-carcinogenic, highly concentrated	C-128	X	4x1 Gallon Case	\$55.40	Clean Environment Co (402) 464-0988	Yellowstone NP Green Seal Mt. Rainier NP
	<i>Enviro-Care Neutral Disinfectant</i> floral/citrus fragrance	12001227	JWOD product X	4x1 Gallon Case	\$16.42 per Gal	Rochester Midland (716) 336-2308	Cape Cod NS Marconi Site Green Seal, JP4**
FLOOR & CARPET CLEANERS	<i>Cycle Emulsifier</i> for carpet extraction, non-toxic non-carcinogenic	C-23	X	4x1 Gallon Case	\$28.00	Clean Environment Co (402) 464-0988	Yellowstone NP Green Seal
	<i>Cycle Finish</i> floor finish (wax), non-toxic, non-carcinogenic	C-12	X	5 Gallon Pail	\$60.81	Clean Environment Co (402) 464-0988	Yellowstone NP Green Seal
	<i>Cycle Strip</i> floor finish stripper, non-toxic, non-carcinogenic, no heavy metals	C-8	X	5 Gallon Pail	\$34.76	Clean Environment Co (402) 464-0988	FOVA, Yellowstone NP, Green Seal
	<i>Carpet Cleaner</i> odorless, non-flammable	AK-24	X	5 Gallon Pail	\$34.97	Alfa Kleen (800) 676-0059	Green Seal
	<i>Ecomate-MPC</i> biodegradable, non-toxic, no VOCs, no petroleum distillates	MPC-5	X	Gallon	\$15.00	SOQ Environmental Technology (480) 966-2892	Green Seal
	<i>Neutro-Jel 110C Floor Cleaner</i> biodegradable, citrus scent, no hazardous chemicals	J14235	7930-01- 381-5870 X	5 Gallon Pail	\$57.60 \$15.54	Selig Chemical Industries (404) 691-9220	FOVA
GENERAL PURPOSE CLEANERS	<i>9010 All Purpose Cleaner (Hurrisafe)</i> biodegradable, non-caustic		7930-01- 398-0891 X	5 Gallon Pail	\$30.68	PCI of America, Hurrisafe Products (800) 222-1455	Green Seal
	<i>All Purpose Cleaner</i> biodegradable, non-toxic, concentrated	NY2		4x1 Gallon Case	\$21.00 per Gal	Naturally Yours (417) 889-3995	JP4**,YOSE, YELL Green Seal, City of Santa Monica
	<i>All Purpose Cleaner</i> biodegradable, highly concentrated	N-1	X	5 Gallon Pail	\$28.34	Clean Environment Co (402) 464-0988	JP4**, Green Seal MORA, CHIS JOTR, PRES
	<i>Citrikleen</i> biodegradable cleaner-degreaser, heavy duty available		7930-01- 350-7034 X	6 Gallon Pail	\$20.60 per Gal	West Penetone, Penetone Corporation (800) 421-6211	
	<i>Magic 555 All Purpose Cleaner</i> biodegradable, non-toxic, water-based, non-hazardous	375-341	X	5 Gallon Pail	\$49.95	P&D Creative (301) 797-3503	Green Seal

CATEGORY	PRODUCT NAME	VENDOR STOCK #	SOLD ON GSA?	UNIT	PRICE*	VENDOR	USER/ REFERENCE
GENERAL PURPOSE CLEANERS CONTINUED	<i>Citra-Solv Cleaner/Degreaser</i> biodegradable	CS-10018		Gallon	\$40.93	Citra-Solv, Inc. (203) 778-0881	FOVA
	<i>Cleaner Degreaser</i> biodegradable, non-toxic, concentrated	NY3		4x1 Gallon Case	\$21.00 per Gal	Naturally Yours (417) 889-3995	JP4**,YOSE, YELL Green Seal, City of Santa Monica
	<i>All Purpose Spray</i> regular or citrus, heavy duty industrial also available	AK-020	X	5 Gallon Pail	\$34.97	Alfa Kleen (800) 676-0059	Green Seal
	<i>All Purpose Cleaner/Degreaser</i> highly concentrated, biodegradable, non-toxic, chlorine-free			1 Gallon	\$11.90	Bi-O-Kleen (800) 477-0188	Chlorine Free Products Assoc.
	<i>Easy Job</i> biodegradable, paste	7930-01- 380-8531	X	24 16 oz Bottles	\$54.00	American Cleaning Solutions, Inc. (866) 883-3562	
	<i>Enviro-Care All Purpose</i> biodegradable, non-toxic, pH 7.0, "Tough Job" cleaner also available	12000027	JWOD product X	4x1 Gallon Case	\$13.55 per Gal	Rochester Midland (716) 336-2308	Cape Cod NS Marconi Site Green Seal, JP4**
	<i>Formula G-510</i> biodegradable, non-butyl, non-caustic, safe on metals		7930-01- 380-8361 X	5 Gallon Pail	\$65.00	Gaylord Industries (800) 547-9696	Green Seal
	<i>H2Orange2 117 Concentrate</i> low-VOC, pH 7.61, non-toxic, can be diluted for multi-purpose applications	117	JWOD product	1 Gallon	\$32.00	EnviroX (800) 281-9604	Green Seal
	<i>Heavy Duty Degrease</i> <i>(Cycle Degrease, C-2, for shop</i> <i>and equipment applications)</i>	N14	X	4x1 Gallon Case	\$29.05	Clean Environment Co (402) 464-0988	JP4**, Yellowstone Green Seal
	<i>Power Green Cleaner</i> biodegradable, non-hazardous, non-toxic, non-flammable		7930-01- 373-8848 X	6 Gallon Box	\$70.21	National Industries for the Blind (JWOD) (877) 438-5963	FOVA
	<i>All Purpose Concentrate</i> non-toxic, low-VOC, biodegradable, no fragrances or dyes	01APC16		16 oz Bottle	\$8.95	EnviroSmart Products (866) 541-6909	Green Seal
	<i>Sun-Brite</i> cleaner/degreaser, biodegradable, highly concentrated		X	1 Gallon Bucket	\$23.00	Sun-Brite (800) 458-5636	
	<i>ECO 2000</i> Zero VOC, non-toxic, biodegradable, non-petroleum based			5 Gallon Pail	\$140.00	KC Products (800) 927-9442	Green Seal

CATEGORY	PRODUCT NAME	VENDOR STOCK #	SOLD ON GSA?	UNIT	PRICE*	VENDOR	USER/ REFERENCE
GLASS CLEANERS	<i>Enviro-Care Glass Cleaner</i> biodegradable, non-toxic, non-hazardous	12001027	JWOD product X	4x1 Gallon Case	\$9.14 per Gal	Rochester Midland (716) 336-2308	Cape Cod NS Marconi Site Green Seal
	<i>Glass and Hard Surface Cleaner</i> biodegradable	1099-1		4x1 Gallon Case	\$27.80	Ecolink/The Leaf Project Products (800) 886-8240	JP4**
	<i>Glass Cleaner</i> ammonia free, odorless, non-toxic, non-corrosive, concentrated			16 oz Bottle	\$3.50	Bi-O-Kleen (800) 477-0188	Chlorine Free Products Assoc.
	<i>Glass and Window Cleaner</i> biodegradable	NY6		4x1 Gallon Case	\$15.00 per Gal	Naturally Yours (417) 889-3995	JP4**,YOSE, YELL Green Seal, City of Santa Monica
	<i>Everywhere Glass Cleaner</i> natural scent, biodegradable	M80624	X	12 Quart Case	\$41.67	Selig Chemical Industries (404) 691-9220	FOVA
	<i>Natural Glass and Window Cleaner</i> biodegradable, highly concentrated	N-13	X	4x1 Gallon Case	\$25.36	Clean Environment Co (402) 464-0988	JP4**, Yellowstone Green Seal, Mt. Rainier NP
POLISHES & PROTECTANTS	<i>Furniture Protector & Polish</i> for hard surfaces, not raw wood, water based, high sheen	N-11	X	4x1 Gallon Case	\$53.70	Clean Environment Co (402) 464-0988	JP4**, Yellowstone Green Seal
	<i>Furniture Polish</i> no acids, silicones, or abrasives	AK-053	7930-01 381-5927 X	5 Gallon Case	\$59.95	Alfa Kleen (800) 676-0059	Green Seal
PAPER TOWELS	<i>Multi-Fold Recyc. Paper Towels</i> CPG ITEM: 40-60% pc, 40-100% re 40% pc, dispenser use; 9 1/4" wide		8540-00- 291-0389 X	Box 4400 EA	\$21.84	GSA Advantage or Environmental Products Guide	FOVA
	<i>800' Roll Paper Towel, Natural</i> CPG ITEM: 40-60% pc, 40-100% re 90% pc, unbleached, 7.75" wide	8-04FJ 236-001		Case 6 Rolls	\$45.00	Real Earth Environmental Co. 310-457-6331	Green Seal
	<i>Natural Paper Towels</i> CPG ITEM: 40-60% pc, 40-100% re 90% pc, unbleached, 180 sheets			15 Rolls	\$36.95	Seventh Generation (800)456-1191	Chlorine Free Products Assoc.
	<i>350' Roll Towels, Natural</i> CPG ITEM: 40-60% pc, 40-100% re non perforated, 80% pc, chlorine free	#651		12 Rolls	\$19.95	Green Line Paper (800) 641-1117	
PLASTIC BAGS	<i>59 Gal. Recycled Plastic Bag</i> CPG ITEM: 10-100% pc 25% pc, heavy duty		8105-01- 221-3239 X	Box 200 EA	\$23.44	GSA Advantage or Environmental Products Guide	FOVA

CATEGORY	PRODUCT NAME	VENDOR STOCK #	SOLD ON GSA?	UNIT	PRICE*	VENDOR	USER/ REFERENCE
PLASTIC BAGS CONTINUED	<i>33 Gal. Recycled Plastic Bag</i> CPG ITEM: 10-100% pc 100% re (30% pc), brown		8105-01-386-2323 X	Case 100 EA	\$24.36	National Industries for the Blind (JWOD) (877) 438-5963	FOVA
	<i>33 Gallon Clear Trash Bag</i> CPG ITEM: 10-100% pc 80% re, 20% pc	333915C		Case 150 EA	\$24.00	Dyna Pak (800) 759-3962	
	<i>30 Gallon Trash Bag</i> CPG ITEM: 10-100% pc 100% re, 30-60% pc,	21RN 1230X2		240 Bags/ Case	\$19.08	GreenCo Products (800) 326-2897	
	<i>Biodegradable Trash Bags</i> CPG ITEM: 10-100% pc compostable, 20 Gal, 20/roll	B20010	X	Box 200 Bags	\$56.00	Biocorp, Inc. (310) 491-3465	
	<i>Toilet Tissue</i> CPG ITEM: 20-60% pc, 20-100% re 30% pc		8540-00-530-3770 X	Box 96 EA	\$47.53	National Industries for the Blind (JWOD) (877) 438-5963	FOVA
TOILET TISSUE	<i>Toilet Paper</i> CPG ITEM: 20-60% pc, 20-100% re 30% pc, 4500', unbleached		8540-01-359-0764 X	Box 96 EA	\$88.18	GSA Advantage or Environmental Products Guide	
	<i>Ovation Toilet Tissue</i> CPG ITEM: 20-60% pc, 20-100% re 500 sheets, 25% pc, chlorine free	#618		96 Rolls	\$45.95	Green Line Paper (800) 641-1117	
	<i>Bathroom Tissue</i> CPG ITEM: 20-60% pc, 20-100% re 80% pc, 1000 sheets, chlorine free			48 rolls	\$47.50	Seventh Generation (800)456-1191	Chlorine Free Products Assoc.
	<i>Graffiti Remover</i> non-toxic, non-carcinogenic, non-mutagenic	C-54	X	12x1 Quart Case	\$76.40	Clean Environment Co (402) 464-0988	JP4**, Yellowstone Green Seal
OTHER	<i>Hand Car Wash</i> non-toxic, biodegradable, safe for outdoor environments	NY-17		5 Gallon Pail	\$75.00	Naturally Yours (417) 889-3995	JP4**,YOSE, YELL Green Seal, City of Santa Monica
	<i>Hand Soap</i> biodegradable	N-12	X	4x1 Gallon Case	\$31.00	Clean Environment Co (402) 464-0988	Yellowstone NP Green Seal
	<i>Pure Castile Soap</i> liquid hand soap, vanilla scent, eucalyptus, peppermint	SL63032		32 fl oz	\$8.45	Citra-Solv, Inc. (203) 778-0881	FOVA

pc = post consumer content re = recovered content

Vendor information is given so they may be contacted directly for further product inquiry (recommended). Products listed as available through GSA may be purchased either through GSA Advantage or directly through the vendor with GSA pricing. This list is not comprehensive - vendors often carry a variety of products, quantities, sizes, and units.

* Prices were current as of May 2003. **Prices are listed only as general guidelines.** Some products are highly concentrated; they may appear more expensive, but mix into larger quantities. Vendors may have government discounts, quantity discounts, or free samples that are not noted in this document. **It is best to call the vendor directly** to get accurate information particular to each park's needs.

** Noted on the Environmentally Preferable Janitorial Products Vendor and Product List, compiled by the Janitorial Products Pollution Prevention Commission. See www.westp2net.org/Janitorial/jp4.htm

Vendor Websites:

Vendors for Hawaii:

GSA Advantage
 (877) 472-3777 Customer Service
 (800) 525-8027 Call-in Orders
 (800) 856-7057 Fax Orders
 Product availability and pricing same as mainland.
 Shipping costs may vary if an "origin" order, shipped
 by vendor.

Rochester Midland
 Authorized Distributor
Lamers Enterprises Inc.
 251 Puuhale Road
 Honolulu, HI 96819
 (808) 845-9365 Phone
 (808) 845-5592 Fax
 Contact Wesley Nakamura
 Reference Gerry Allgeier from Rochester Midland's
 Northwest Customer Service Center



Alfa Kleen
www.alfakleen.com
American Cleaning Solutions
www.americancleaning.com
Biocorp, Inc.
www.biocorpna.com
Bi-O-Kleen
www.bi-o-kleen.com
Citra-Solv, Inc.
www.citrasolv.com
The Clean Environment Co.
www.safegreenclean.com
DynaPak Corporation
www.dynapak.com
Ecolink
www.ecolink.com
EnviroSmart Products
www.espesp.com
EnvirOx
www.h2orange2.com
GreenCo Products, Inc.
www.greencoproducts.com
Green Line Paper
www.greenlinepaper.com
GSA Advantage
www.gsaadvantage.gov

Javits-Wagner-O'Day (NIB)
www.jwod.com
KC Products
www.ccsmarketplace.com/cleanliving
Naturally Yours
www.naturallyyoursclean.com
P&D Creative
www.pdcreative.pair.com
PCI of America, Hurrissafe
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Real Earth Environmental Co.
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