

Environmental Procurement Requirements

Tuesday February 25, 2003

Kennedy Space Center

Overview

- Affirmative Procurement Requirements
- Environmentally Preferable Purchasing
- RCRA Report Metrics
- NASA Performance

Affirmative Procurement Requirements

Executive Order 13101 requires that the agency head-

(1) Work to increase and expand markets for recovered materials through greater Government preference and demand for such products consistent with the demands of efficiency and cost-effectiveness; and

(2) Develop and implement affirmative procurement programs in accordance with direction in RCRA and the Executive order.

Affirmative Procurement Requirements

- NASA's Affirmative Procurement Plan for Environmentally Preferable Products (NPG 8830.1)
- 100 percent of purchases of EPA-designated products contain recovered material, unless the item cannot be acquired-
 - (1) Competitively within a reasonable time frame;
 - (2) Meeting appropriate performance standards; or
 - (3) At a reasonable price.

Affirmative Procurement Requirements

- Threshold: \$1, incl. purchase cards
- Justification for waiving requirement
- Solicitation provision and contract clause (except purchase card transactions)
 - 52.223-4, Recovered Material Certification
 - 52.223-9, Estimate of Percentage of Recovered Material Content

AP/EPP Requirements

- 11.101(a) Agencies may select from existing requirements documents, modify or combine existing requirements documents, or create new requirements documents to meet agency needs, ...
- (b) Agencies must prepare requirements documents to achieve maximum practicable-
- (1) Energy efficiency, including using renewable energy technologies; and
 - (2) Use of recovered material, other materials that are environmentally preferable, energy- and water-efficient products, and renewable energy technologies (see Subparts 23.2, 23.4, and 23.7).

E.O./NPG Contractor Applicability

“Contracts that provide for contractor operation of a Government-owned or -leased facility and/or contracts that provide for contractor or other support services at Government-owned or -operated facilities awarded by executive agencies after the date of this order, shall include provisions that obligate the contractor to comply with the requirements of this order within the scope of its operations.”

E. O. 13101, Sec. 701

Environmentally Preferable Purchasing Contractor Applicability

- “... the Contractor shall establish a program to promote cost-effective waste reduction in all operations and facilities covered by this contract. The Contractor's programs shall comply with applicable Federal, State, and local requirements, specifically including Section 6002 of the Resource Conservation and Recovery Act (42 U.S.C. 6962, etseq.) and implementing regulations (40 CFR part 247).”
- "Waste reduction" means preventing or decreasing the amount of waste being generated through waste prevention, recycling, or purchasing recycled and environmentally preferable products.

FAR 52.223-10, Waste Reduction Program

Metrics:

Annual RCRA Report

- Government-wide Affirmative Procurement Results
- FPDS Data
- “Indicator Items” Details
- Solid Waste Prevention, Recycling, Minimization Practices
- Management Controls, incl. Training, Audit
- Goals

Reporting Year	Site	Item Name	Total Amnt. Purchased	Rcyclid. Amnt.	Total Qnty. Purchased	Rcyclid. Qnty.	
2002	GSFC	Awards and Plaques	\$0	\$0	0.00	0.00	
1998	GSFC	Binders (chipboard and plastic covered, not cloth)	\$92,310	\$92,310	0.00	0.00	100%
1999	GSFC	Binders (chipboard and plastic covered, not cloth)	\$115,067	\$86,204	0.00	0.00	75%
2000	GSFC	Binders (chipboard and plastic covered, not cloth)	\$82,877	\$45,648	0.00	0.00	55%
2001	GSFC	Binders (chipboard and plastic covered, not cloth)	\$88,049	\$61,584	0.00	0.00	70%
2002	GSFC	Binders (chipboard and plastic covered, not cloth)	\$70,458	\$53,632	0.00	0.00	76%
2002	GSFC	Commercial Sanitary Tissue Products	\$150,000	\$150,000	4,680.00	4,680.00	
1998	GSFC	Concrete	\$13,500	\$13,500	193.00	193.00	100%
1999	GSFC	Concrete	\$240	\$240	4.00	4.00	100%
2000	GSFC	Concrete	\$0	\$0	0.00	0.00	#DIV/0!
2001	GSFC	Concrete	\$516	\$516	1.00	1.00	100%
2002	GSFC	Concrete	\$37,271	\$37,271	0.00	0.00	100%
1998	GSFC	Paper and Paper Products	\$1,106,313	\$541,282	0.00	0.00	49%
1999	GSFC	Paper and Paper Products	\$545,852	\$390,240	0.00	0.00	71%
2000	GSFC	Paper and Paper Products	\$498,228	\$342,288	0.00	0.00	69%
2001	GSFC	Paper and Paper Products	\$437,823	\$286,022	0.00	0.00	65%
2002	GSFC	Paper and Paper Products	\$524,892	\$387,756	0.00	0.00	74%
1998	GSFC	Plastic Desktop Accessories	\$92,310	\$92,310	0.00	0.00	100%
1999	GSFC	Plastic Desktop Accessories	\$42,792	\$22,772	0.00	0.00	53%
2000	GSFC	Plastic Desktop Accessories	\$29,862	\$16,615	0.00	0.00	56%
2001	GSFC	Plastic Desktop Accessories	\$30,533	\$17,375	0.00	0.00	57%
2002	GSFC	Plastic Desktop Accessories	\$20,362	\$10,157	0.00	0.00	50%
1998	GSFC	Plastic Trash Bags	\$30,000	\$30,000	0.00	0.00	100%
1999	GSFC	Plastic Trash Bags	\$30,200	\$23,000	0.00	0.00	76%
2000	GSFC	Plastic Trash Bags	\$47,538	\$44,727	0.00	0.00	94%
2001	GSFC	Plastic Trash Bags	\$62,260	\$61,993	0.00	0.00	100%
2002	GSFC	Plastic Trash Bags	\$42,862	\$42,164	0.00	0.00	98%
1998	GSFC	Toner Cartridges	\$184,620	\$184,620	0.00	0.00	100%
1999	GSFC	Toner Cartridges	\$336,740	\$22,888	0.00	0.00	7%
2000	GSFC	Toner Cartridges	\$358,161	\$240,224	0.00	0.00	67%
2001	GSFC	Toner Cartridges	\$278,621	\$197,558	1.00	1.00	71%
2002	GSFC	Toner Cartridges	\$345,092	\$290,542	0.00	0.00	84%
2000	GSFC	Traffic Barricades	\$0	\$0	0.00	0.00	#DIV/0!
2001	GSFC	Traffic Barricades	\$14,168	\$14,168	1.00	1.00	100%
2002	GSFC	Traffic Barricades	\$0	\$0	0.00	0.00	#DIV/0!
			\$5,709,517	\$3,799,606			67%

2003 RCRA Indicator Items

- Toilette Paper
- Toner Cartridges
- Concrete
- Landscaping Timbers
- Park Benches
- Picnic Tables
- Traffic Cones
- Re-refined oil

All EPA-Designated Items

Building insulation	Latex paint
Carpet Cushion	Polyester fiber carpet
Cement/concrete containing fly ash	Railroad grade crossing surfaces
Floor tiles/patio blocks	Shower/restroom dividers
Laminated paperboard	Structural fiberboard
Cement containing Grounds Granulated Blast Furnace (GGBF) slag	
Compost	Hydraulic mulch
Garden and soaker hoses	Lawn and garden edging
Plastic lumber landscaping, timbers and posts	
Awards and plaques	Mats
Industrial drums	Signs (support and posts)
Manual-grade strapping	Sorbents
Binders	Plastic file boards
Office recycling containers	Plastic portfolios
Office waste receptacles	Plastic presentation folders

All EPA-Designated Items (cont'd)

Plastic clipboards	Printer ribbons
Plastic desktop accessories	Toner cartridges
Plastic envelopes	Trash bags
Envelopes	Paperboard and packaging
File folders	Printing and writing papers
Newsprint	Tissue and towel
Park benches	Plastic fencing
Picnic tables	Running tracks
Playground equipment and surfaces	
Channelizers	Parking stops
Cones	Traffic barricades
Delineators	Sorbents
Reclaimed engine coolants	Retread tires
Re-refined lubricating oils (engine oils, hydraulic fluids, gear oils)	Plastic portfolios
Plastic clipboards	Printer ribbons

2003 Indicator Item Questions

- Does your Center purchase these items (directly or through contracts or other mechanisms)?
- Total dollar amount of these products purchased by your Center from sources other than GSA in FY 2002.
- Dollar amount of these products containing recovered materials purchased by your Center from source other than GSA in FY 2002.
- If this product is purchased using an Agency specification, does that specification require the use of recovered materials?
- Were there any technical impediments to increasing the purchase of this item by your Center FY 2002?

Summary

- Affirmative Procurement
- Environmentally Preferable Purchasing
- Direct and Indirect Procurement
- Performance History