

July 11, 2002

The Honorable John L. Howard, Jr.
Federal Environmental Executive
Office of the Federal Environmental Executive
Mail Code 1600S
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Dear Mr. Howard:

I am responding to your letter of June 24, 2002, requesting NRC's goals and strategic plans for 2005 and 2010 and comments on the draft biennial report to the President on progress in meeting the various environmental Executive Orders.

I have attached a copy of our "Greening the Government" Strategic Plan issued in May 2002. This plan includes our goals and strategies for recycling and buying recycled content and environmentally preferable products.

We thank you for the opportunity to comment on the draft biennial report. We have no comments.

Your staff may direct questions concerning our Strategic Plan to Dennis Turner, Agency Manager for Greening Initiatives at 301 415-2283, dmt1nrc.gov.

Sincerely,

/RA by Thomas O. Martin Acting
For/

Michael L. Springer, Director
Office of Administration

Enclosure: NRC Strategic Plan

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Michael L. Springer, Director
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Enclosure: NRC Strategic Plan

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U. S. Nuclear Regulatory Commission
Greening the Government
Strategic Plan

**To Implement Executive Order 13101, "Greening the
Government Through Waste Prevention, Recycling,
and Federal Acquisition"**



May 2002

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Background

Legislation and Presidential direction requiring the purchase of recycled content products have been evolving since 1976, when Congress established a “buy-recycled law.” In Section 6002 of the Resource Conservation and Recovery Act (RCRA), Congress directed Government agencies to promote recycling by increasing their purchases of products containing recovered materials.

On September 14, 1998, the President issued Executive Order (E.O.) 13101, “Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition.” E.O. 13101 directed the head of each executive agency to incorporate waste prevention and recycling in the agency’s daily operations and to work to increase and expand markets for recovered materials through greater Federal Government preference and demand for such products.

Under E.O. 13101, a steering committee (composed of the Chair of the Council on Environmental Quality, the Federal Environmental Executive (FEE), and the Administrator for Federal Procurement Policy) is directed to charter a task force to facilitate implementation of the order. Section 301 of E.O. 13101 requires that the Task Force on Greening the Government Through Waste Prevention and Recycling develop a government-wide strategic plan to implement the order. On March 12, 1999 the task force issued the strategic plan, which can be found on the Internet at <http://www.ofee.gov>, along with E.O. 13101.

Section 301 also requires each agency to translate the government-wide strategic plan into specific agency plans and to appoint an Agency Environmental Executive (AEE). The “NRC Greening the Government Strategic Plan” establishes the goals, strategies, and responsibilities for implementing E.O. 13101 and the government-wide strategic plan. The Chairman appointed the Deputy Executive Director for Management Services to be the AEE on November 19, 1999.

The NRC has a tradition of success in reducing waste, recycling, and procuring environmentally preferable products. In achieving this success, the NRC has worked closely with Federal and local agencies. We have received recognition for our achievements. Although our achievements have been great, we can and will do more.

Purpose

As we enter the 21st century, we recognize that the earth's natural resources are not limitless. Even renewable resources are limited. We must act today to maximize the many economic, environmental, and societal benefits that waste prevention, recycling, and the purchase of environmentally preferable products provide. If we work together now, we can ensure that our children and their children will enjoy a material and environmental quality of life even better than our own.

Vision

By promoting efficient uses of our natural resources and protecting the environment for ourselves and future generations, the NRC will be recognized as a leader among Federal small

agencies in waste prevention, recycling, and acquisition of recycled content and environmentally preferable products and services.

Goal

The major goal of this plan is to improve waste prevention, recycling, and the purchase and use of recycled content and environmentally preferable products and services in the NRC.

Recycling and Waste Prevention

NRC is committed to reducing waste through waste prevention and recycling. We will enlist the support of all employees to create a culture of awareness that will lead to the achievement of our goals. In doing so, we will reduce solid waste, save resources, and protect the environment.

We will use the recycling rate (quantity of waste recycled divided by the quantity of waste generated) to measure headquarters recycling goals. In 1999, NRC headquarters achieved a recycling rate of 43 percent by diverting recyclable materials from landfills. A recycling rate of 45 percent was established and met for 2000 and 2001.

Paper is our primary recycling material. We will maintain recycling goals at the 45 percent level through year 2010 while significantly reducing the amount of office paper generated. Paper reductions will be achieved primarily through implementation of electronic media programs. Our success in achieving paper reductions and the recycling rate will be reported annually.

Goals

- NRC headquarters will divert waste from landfills by achieving the following recycling rates:
 - ▶ 45 percent by 2003
 - ▶ 45 percent by 2005
 - ▶ 45 percent by 2010
- Regional offices will advocate, promote, and support waste diversion programs implemented by the General Service Administration (GSA) and building lessors.

Strategies

We will achieve our recycling and waste reduction goals through the following recycling and waste prevention strategies.

Recycling

1. We will designate recycling coordinators for all NRC facilities.
2. We will educate employees about our program and the benefits of recycling.
3. We will support Federal and local recycling programs.

At headquarters:

4. We will provide a program to recycle office paper, aluminum, glass, tin, steel, plastic, cardboard, newspaper, laser toner cartridges, fluorescent bulbs, wood pallets, and batteries.
5. We will seek new opportunities to expand our recycling program for new materials.
6. We will manage our program efficiently and effectively to maximize materials recovered from the waste stream.
7. We will make recycling easy for employees by providing clear guidance about the program and placing collection containers in convenient locations.
8. We will recover recycling revenue and use it for programs to benefit employees.
9. We will establish an office recycling coordinator program to promote recycling, identify problems, and encourage suggestions for program improvement.

At regional offices and the Technical Training Center:

10. We will actively promote and support programs managed by GSA and lessors.

Waste Reduction

1. We will explore and implement opportunities to reduce waste.
2. We will educate employees about the benefits of waste reduction and how to reduce waste at NRC and at home.
3. We will prepare a waste reduction plan to identify and implement waste reduction activities that include two-sided copying and printing and increasing the use of electronic communications.
4. We will track our waste disposal, recycling, and other waste diversion activities to measure our performance.
5. We will participate in meetings led by the FEE to identify proposed improvements, enhance visibility of programs, assess goal progress, and share best practices.

Acquisition Planning and the Purchase of Environmentally Preferable Products and Services

Environmentally preferable products have a lesser or reduced effect on human health and the environment when compared with competing products or services that serve the same purpose.

Goals

- Environmental considerations will become part of normal purchasing practice, consistent with such traditional factors as product price, performance, and availability.
- NRC will participate in at least one Environmental Protection Agency (EPA) pilot program and/or introduce one new environmentally preferable product or service each year.

Strategies

We will achieve our goals for acquisition planning and the purchase of environmentally preferable products and services through the following strategies.

1. We will issue agency guidance to require, during acquisition planning, consideration of waste prevention, reuse, recycling, and the use of recycled content and environmentally preferable products.
2. We will work with EPA to identify pilot programs and/or environmentally preferable products or services that can be used at NRC.
3. We will incorporate EPA guidance on purchasing environmentally preferable products and services into NRC policy and procedures.
4. We will educate employees on the requirements and benefits of purchasing environmentally preferable products.
5. We will continue to improve our efforts to incorporate environmentally preferable products and services in the management of our facilities.

Procurement of Products Containing Recovered Materials

Collecting and recycling materials on site is not enough; we must “close the circle” and purchase new products containing recovered materials. Buying “recycled” saves energy, money, and landfill space; conserves resources; and reduces pollution.

Goals

- For mandatory purchase products identified by EPA, 100 percent of purchase specifications will require recovered materials.
- All copy paper purchased by NRC will contain at least 30 percent postconsumer material.

Strategies

We will achieve our goals for the procurement of products containing recovered materials through the following strategies.

1. We will publish and update as necessary the NRC Affirmative Procurement Program for the Purchase of EPA-designated Recycled Content Products.
2. We will purchase printing and writing paper containing no less than 30 percent postconsumer fibers.
3. We will ask that re-refined oil be used in maintaining NRC vehicles.
4. We will require that custodial service contracts comply with EPA recovered content guidance, including requirements for paper towels and other paper products.
5. We will establish reasonable methods to monitor purchases of NRC mandatory products to ensure compliance with EPA guidelines and our Affirmative Procurement Program for the Purchase of EPA-designated Recycled Content Products.
6. We will provide guidance, and train and educate employees, including purchase card holders, about the requirements, availability, and benefits of purchasing products with recovered materials.

Responsibilities

To fulfill our vision and achieve our goals, each NRC employee will need to do his or her part to reduce waste, recycle, and purchase and use environmentally preferable products and services. Specific responsibilities of staff who will work together to implement E.O. 13101 and the strategies of this plan are as follows:

Role	Responsibilities
Agency Environmental Executive (AEE) (Deputy Executive Director for Management Services)	Leads NRC's implementation of E.O. 13101 and reports to the Federal Environmental Executive on the progress of implementation of the strategic plan.
Director, Office of Administration	Directs, integrates, and coordinates E.O. 13101 requirements and other initiatives to improve waste prevention, recycling, and use of recycled content and environmentally preferable products and services.
Regional Administrators	<p>Ensure that purchases comply with guidance provided for the acquisition of recycled content and environmentally preferable products and services.</p> <p>Provide reports on activities for waste prevention, recycling, and use of recycled content and environmentally preferable products and services.</p> <p>Advocate, promote, and support recycling programs managed by GSA and lessors.</p> <p>Identify and implement opportunities to reduce waste.</p> <p>Comply with E.O. 13101 requirements for use of re-refined oil during NRC vehicle maintenance.</p>
Director, Division of Administrative Services (DAS)	<p>Directs agency waste reduction and recycling programs.</p> <p>Leads development and implementation of agency acquisition policies and procedures to comply with E.O. 13101.</p>

Role	Responsibilities
Director, Division of Contracts and Property Management (DCPM)	<p>Teams with DAS to develop and implement agency acquisition policies and procedures to comply with E.O. 13101.</p> <p>Ensures NRC procurement staff is given guidance and training necessary to comply with E.O. 13101.</p> <p>Teams with DAS to provide acquisition guidance and training to NRC staff necessary to comply with E.O. 13101.</p> <p>Provides acquisition data to DAS for reports required by E.O. 13101.</p>
Director, Division of Facilities and Security (DFS)	<p>Implements tools to incorporate E. O. 13101 and this strategic plan into real property management. These activities include waste reduction and acquisition of environmentally preferable products.</p> <p>Ensures that facility statements of work specify product specifications in accordance with EPA's Comprehensive Procurement Guidelines Program.</p>
Chief, Administrative Services Center	<p>Oversees the activities of the Agency Program Manager for Greening Initiatives.</p>
Agency Program Manager for Greening Initiatives (APMG)	<p>Drafts policies and procedures and coordinates overall E.O. 13101 implementation.</p> <p>Maintains tracking report of actions to ensure that NRC complies with E.O. 13101.</p> <p>Provides guidance and training to staff and keeps the AEE and managers informed of E.O. 13101 activities.</p> <p>Develops and implements a communications program to inform agency personnel about E.O. 13101.</p> <p>Compiles reports to comply with E.O. 13101 and implementing plans.</p>
Agency Recycling Coordinator (ARC)	<p>Implements headquarters recycling and waste prevention program activities and provides assistance to Facility Recycling Coordinators in implementing their programs.</p> <p>Promotes recycling efforts through outreach efforts that include Earth Day and America Recycles Day activities. Provides reports on agency recycling activities.</p>

Role	Responsibilities
Facility Recycling Coordinators (FRC's)	Promote and implement recycling and waste prevention programs managed by GSA and building lessors at non-headquarters building sites.

Authorities and Guidance

In the RCRA, agencies are directed to procure products designated by the EPA that are composed of the highest percentage of recovered materials practicable (unless a decision not to do so is based on a determination that the product is not available within a reasonable period of time, or that the product fails to meet applicable performance standards, or that the product is only available at an unreasonable price). Under E.O. 13101, agencies are encouraged to consider purchasing environmentally preferable and biobased products. In addition, E.O. 13134, "Developing and Promoting Biobased Products and Bioenergy," encourages agencies to procure biobased products designated by the U. S. Department of Agriculture (USDA). The citations for the applicable statute, codifying regulations, and guidance follow.

- Section 6002, Resource Conservation and Recovery Act (RCRA), "Federal Procurement."
- Code of Federal Regulations, 40 CFR, Part 247, "Comprehensive Procurement Guideline for Products Containing Recovered Materials."
(Appendix A lists the designated products.)
- Federal Acquisition Regulations (FAR).
Part 23.4, "Use of Recovered Materials."
Part 23.7, "Contracting for Environmentally Preferable and Energy-Efficient Products and Services."
Part 23.8, "Ozone-depleting Substances."
- "Strategic Plan to Implement Executive Order 13101, Greening the Government Through Waste Prevention, Recycling and Federal Acquisition," White House Task Force on Recycling, March 13, 1999.
- "Greening the Government: A Guide to Implementing E.O. 13101," White House Task Force on Recycling, Revised February 2001.
- "Final Guidance for Environmentally Preferable Purchasing (EPP) August 20, 1999.
(Appendix B summarizes the Guiding Principles and EPP product attributes).
- "Procedures for Submission of Biobased Products for Listing by USDA," August 13, 1999.
- "Guidance on Conducting Inspections of Federal Facilities for Compliance With Section 6002 of the Resource Conservation and Recovery Act," U.S. Environmental Protection Agency, May 12, 1999.

Action Plan To Implement E.O. 13101

The Agency Program Manager for Greening Initiatives (APMG) will maintain a report of the status of NRC actions to comply with this strategic plan. Individuals with responsibilities under this plan will provide the APMG with updates on the status of pending items as well as new initiatives. For more information, contact the APMG at the Administrative Services Center, 301-415-1231, O-2-G11.



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APPENDIX A

Recovered Material Content Products Designated by Environmental Protection Agency (EPA) Within the Comprehensive Procurement Guidelines

"Postconsumer material" (PC) means a material or finished product that has served its intended use and has been discarded for disposal or recovery, having completed its life as a consumer item. "Postconsumer materials" is part of a broader category of "recovered material."

Recovered materials" (R) means waste materials and byproducts that have been recovered or diverted from solid waste, but does not include those materials and byproducts generated from and commonly reused within an original manufacturing process (42 U.S.C. 6903(19)).

Agencies must purchase the following products with recovered material when the agency spends more than \$10,000 per year on that item. Agencies must buy the item with the highest level of recovered materials practicable. The following percentages for *postconsumer material* and *recovered materials* are recommended by the Environmental Protection Agency (EPA). The content levels for all EPA recommendations should be read as percentage of recovered fiber (R), including percentage of postconsumer fiber (PC), and not as percentage of recovered fiber plus percentage of postconsumer fiber.

For specifications and other product information for these items, visit the EPA Comprehensive Procurement Guidelines (CPG) Web site at www.epa.gov/cpg.

PRODUCT

CATEGORY: % PC %R

Paper and Paper Products:

Copier paper and bond paper 30% 30%
Bathroom tissue 20-60% 20-100%

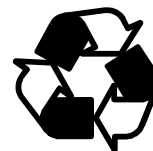
% PC %R
Paper towels 40-60% 40-100%
Paper napkins 30-60% 30-100%
Facial tissue 10-15% 10-100%

General industry wipers	40%	40-100%
Offset paper	30%	30%
Tablet paper	30%	30%
Forms (computer printout, forms)	30%	30%
Envelope paper, kraft	30%	30%
Envelope paper white & colored	10-20%	10-20%
Envelope paper, unbleached	10%	10%
Cotton fiber paper	30%	30%
Text and cover paper	30%	30%
Supercalendared	10%	10%
Machine finish groundwood	10%	10%
Paperies	30%	30%
Check safety paper	10%	10%
Coated printing paper	10%	10%
Carbonless paper	30%	30%
File folders (manila & colored)	30%	30%
Dyed filing products	20%	20-50%
Cards (index, postal, other)	20%	50%
Pressboard report covers, binders	20%	20%
Tags and tickets	20%	20-50%
Newsprint	20-85%	20-100%
Corrugated containers (<300psi)	25-50%	25-50%
Solid fiber boxes	40%	40%
Folding cartons	40-80%	100%
Industrial paperboard (tubes, cores, drums, cans)	45-100%	100%
Miscellaneous (pad backs, covered binders, book covers, mailing tubes, protective packaging)	75-100%	90-100%
Padded mailers	5-15%	5-15%
Carrierboard	10-15%	10-100%
Brown papers (wrapping paper, bags)	5-20%	5-40%
Tray liners	50-75%	100%



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Non-Paper Office Products:

	% PC	%R
Plastic Trash Bags	10-100%	
Binders - Solid Plastic		
- HDPE	90%	90%
- PE	30-50%	30-50%
- PET	100%	100%
- Misc. Plastics	80%	80%

Binder Covers

- Plastic-covered	25-50%	
- Paper covered	25-100%	90-100%
- Pressboard	20%	50%

Plastic Clipboards

- HDPE	90%	90%
- PS	50%	50%
- Misc. Plastics	15%	15- 80%

Plastic desktop accessories

polystyrene	25-80%	
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Plastic envelopes	25%	25-35%
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Plastic file folders - HDPE	90%	90%
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Plastic clip portfolios-HDPE	90%	90%
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Plastic presentation folders	90%	90%
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Office recycling containers/waste receptacles

- Plastic	20-100%	
- Steel (Basic OF)	16%	25-30%
- Steel (Electric Arc Furnace)	67%	100%
- Paper-corrugated	25-50%	25-50%
- Paper-solid fiber box	40%	
- Paper-industrial paper board	40-80%	100%

Printer ribbons Procure printer ribbon re-inking or reloading services or procure re-inked or reloaded printer ribbons

Toner cartridges Procure remanufacturing services for expended cartridges or procure remanufactured toner cartridges or new toner cartridges made with recovered materials

Drums

- Plastic	20-100%	
- Steel (BOF)	16%	25-30%

Miscellaneous Products:

Awards and Plaques	% PC	%R
- Glass	75-100%	100%
- Wood	100%	
- Paper	40-100%	40-100%
- Plastic/composites	50-100%	95-100%

- Fiber paper	100%	100%
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Mats

- Rubber	75-100%	85-100%
- Plastic	10-100%	100%
- Rubber/Plastic composite	100%	100%

Pallets

- Wooden	95-100%	
- Plastic lumber	100%	
- Thermoformed	25-50%	
- Paperboard	50%	

Signs and Sign Posts

- Plastic	80-100%	80-100%
- Aluminum	25%	25%
- Plastic sign posts	80-100%	80-100%
- Steel sign posts (BOF)	16%	25-30%
- Steel sign posts (EAF)	67%	100%

Sorbents for oil cleanup

- Paper	90-100%	100%
- Textiles	95-100%	95-100%
- Plastic		25-100%
- Wood	100%	
- Organic material	100%	

Strapping

- Polyester (PET)	50-85%	50-85%
- Polypropylene (PP)		10-40%
- Steel (BOF)	16%	25-30%
- Steel (EAF)	67%	100%



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Construction Products:

	% PC	%R
Building insulation		
- Slag - rock wool	75%	
- Fiberglass	20-25%	
- Cellulose loose-fill or spray-on	75%	
- Paperboard perlite composite	23%	
- Plastic rigid foam	9%	
polyisocyanurate/polyurethane		
- Foam in place	5%	
polyisocyanurate/polyurethane		
- Glass fiber reinforced	6%	
- Phenolic rigid foam	5%	
- Plastic, non-woven batt plastic	100%	
Carpet		
Polyester face fiber Pet	25-100%	25-100%
Carpet Cushion		
- Bonded polyurethane		
(old carpet)	15-50%	15-50%
-Jute (recovered burlap)	40%	40%
-Synthetic fibers		
(carpet fabrication scrap)	100%	
- Rubber (tire rubber)	60-90%	60-90%
Cement with fly ash or ground		
See product listing at granulated blast furnace		
slag www.epa.gov/cpg		
Concrete with fly ash or ground		
See product listing at granulated blast furnace		
slag www.epa.gov/cpg		
Floor tiles, heavy duty commercial		
- Rubber	90-100%	
- Plastic	90-100%	
Structural fiberboard	80-100%	
Laminated paperboard	100%	100%
Reprocessed latex paint		
-White, off-white, pastel colors	20%	20%
- Grey, brown, earthtones	50-99%	50-99%
Consolidated latex paint	100%	100%
Patio blocks		
Rubber or rubber blends	90-100%	
Plastic or plastic blends	90-100%	
Shower and Restroom Dividers		
- Steel : Basic Oxygen Furnace		
(BOF)	16%	25-30%
-Steel: Electric Arc Furnace (EAF)	67%	100%
-Plastic	20-100%	20-100%
	% PC	%R
Railroad Grade Crossing Surfaces		
- Coal Fly Ash	15-20%	

- Recovered Rubber	85-95%
- Steel(BOF)	16% 25-30%
- Steel (EAF)	67% 100%

Landscaping Products:

Garden hoses		
rubber or plastic	60-65%	
Soaker hoses		
rubber or plastic	60-70%	
Hydraulic mulch		
- Paper based	100%	100%
- Wood based	100%	
Plastic lumber - Timbers and Posts		
- HDPE	50-100%	75-100%
- Mixed Plastics/Sawdust	50%	100%
-HDPE/Fiberglass	75%	95%
-Other mixed resins	50-100%	95-100%
Lawn and garden edging		
plastic and/or rubber	30-100%	30-100%
Yard trimmings compost	See product listing www.epa.gov/cpg	

Park and Recreation Products:

Plastic fencing	60-100%	90-100%
Playground surfaces		
rubber or plastic	90-100%	
Running tracks	rubber or plastic	90-100%
Park Benches and Picnic Tables		
- Plastics	90-100%	100%
- Plastic composites	50- 100%	
- Aluminum	25%	25%
- Concrete	15-40%	
- Steel (BOF)	16%	25-30%
- Steel (EAF)	67%	100%
Playground Equipment		
- Plastics	90-100%	100%
- Plastic composites	50- 75%	95-100%
- Aluminum	25%	25%
- Concrete	15-40%	
- Steel (BOF)	16%	25-30%
- Steel (EAF)	67%	100%

Transportation Products:

	% PC	%R
Channelizers - plastic	25-95%	
-Rubber	100%	(base only)
Delinerators		
-Plastic	25-90%	
-Rubber	100%	(base only)
-Steel (BOF) (base only)	16%	25-30%



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-Steel (EAF) (base only)	67%	100%
Flexible delinerators	25-85%	plastic
Parking stops		
- Plastic or rubber	100%	
- Concrete containing fly ash	20-40%	
- Concrete containing ground	25-70%	
-blast furnace slag		
Traffic barricades		
- Plastic(HDPE/LDPE/PET)	80-100%	100%
- Steel (BOF)	16%	25-30%
- Steel (BOF)	67%	100%
- Fiberglass	100%	
Traffic cones		
- PVC or LDPE	50-100%	
- Crumb rubber	50-100%	

Vehicular Products:

Engine Coolants	See product listing at www.epa.gov/cpg
Re-refined lubricating oil	See product listing at www.epa.gov/cpg
Retread tires	See product listing at www.epa.gov/cpg

APPENDIX B

Summary of EPA's Guiding Principles For Environmentally Preferable Purchasing (EPP) and EPP Product Attributes

"Final Guidance on Environmentally Preferable
Purchasing for Executive Agencies," U.S.
Environmental Protection Agency, August 20, 1999.

Guiding Principles:

*#1 Environment + Price + Performance =
Environmentally Preferable Purchasing*
Environmental considerations should become part of
normal purchasing practice, consistent with such
factors as product safety, price, performance, and
availability.

#2 Pollution Prevention

Consideration of environmental preferability should
begin early in the acquisition process and be rooted in

the ethic of pollution prevention, which strives to
eliminate or reduce, up-front, potential risks to human
health and the environment.

#3 Life-Cycle Perspective/Multiple Attributes

A product or service's environmental preferability is a
function of multiple attributes from a life-cycle
perspective.

#4 Comparison of Environmental Impacts

Determining environmental preferability might involve
comparing environmental impacts. In comparing
environmental impacts, Federal agencies should consider
the reversibility and geographic scale of the
environmental impacts, the degree of difference among
competing products or services, and the overriding
importance of protecting human health.

#5 Environmental Performance Information

Comprehensive, accurate, and meaningful information
about the environmental performance of the products or
services is necessary in order to determine environmental
preferability.

Menu of environmental attributes: (product life- cycle
attributes that may be applicable in considering a
product's preferability)

14. Natural Resources Use:

- Ecosystem impacts
- Energy consumption

Menu of environmental attributes: (continued)

- Water consumption
- Non-renewable resource consumption
- Renewable resource consumption

15. Human Health and Ecological Stressors

- Bioaccumulative pollutants
- Ozone-depleting chemical global warming gases
- Chemical releases
- Ambient air releases
- Indoor air releases
- Conventional pollutants released to water
- Hazardous waste
- Non-hazardous solid waste
- Other stressors



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16. Hazard Factors Associated With Materials Human Health Hazards

- acute toxicity
- carcinogenicity
- developmental/reproductive toxicity
- immunotoxicity
- irritancy
- neurotoxicity
- sensitization
- corrosivity
- flammability
- reactivity
- other chronic toxicity

Ecological Hazards

- aquatic toxicity
- avian toxicity
- terrestrial species toxicity

17. Positive Attributes

- Recycled content
- Recyclability
- Product disassembly potential
- Durability
- Reusability
- Reconditioned or remanufactured
- Take-back
- Bio based
- Energy efficiency
- Water efficiency
- Other attributes, positive environmental effects

www.epa.gov/opptintr/epa. EPA site for Environmentally Preferable Purchasing.

www.internal.nrc.gov/ADM/DAS/listpage.html Home page for the NRC Administrative Services Center. You may also reach this Web site by selecting *ADM, Division of Administrative Services*, under *Program Offices* at the NRC Internal Home Page.

- *Recycling*
www.internal.nrc.gov/ADM/DAS/recycle.html
- *Greening the Government*
www.internal.nrc.gov/ADM/DAS/green.html
- *Buying "Green" Using the NRC Purchase Card*
www.internal.nrc.gov/ADM/DAS/BuyingGreen.html

APPENDIX C

Resources and Web Sites

www.ofee.gov. Federal Environmental Executive. Contains Executive Order (EO) 13101, "Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition" and the Government-wide strategic plan to implement E.O. 13101.

www.epa.gov/cpg. EPA's Comprehensive Procurement Guidelines. It describes EPA's designated products containing recovered materials, their specifications, and their sources of supply.

www.energystar.gov. Energy Star information.



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