
Getting Started

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Guidance: Statutes & EO

130A-309.14: Recycling & Procurement of Environmentally Preferable goods and services

143-58.2: More on Recycled Content Purchases

143-58.3: Requires purchase of recycled content paper

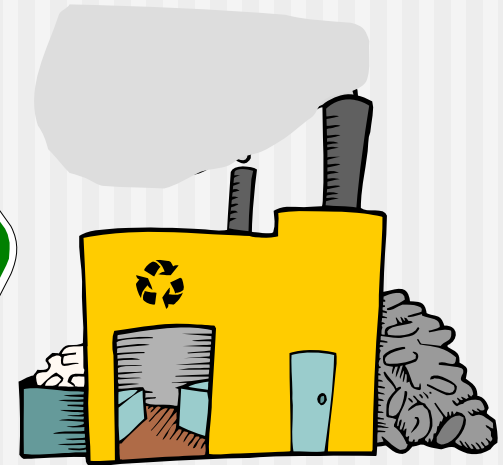
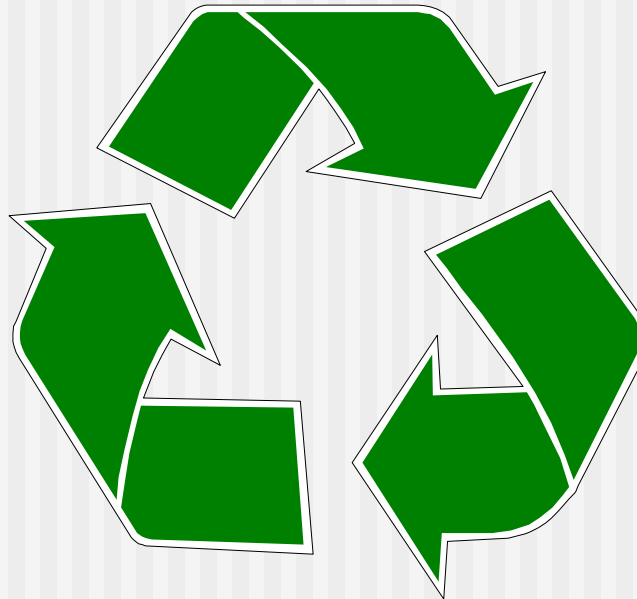
Executive Order 156: State Government Sustainability, Reduction of Solid Waste, and Procurement of Environmentally Preferable Products



Collections



Buying Recycled



Manufacturing

Reduce

- GS – “Establish and implement...a solid waste reduction program for materials used in...agency operations.”
- EO – Requires source reduction, particularly for office paper
 - Requires two-sided printing, duplex copying, and using electronic communication
- EO – Encourages reusable over disposable, more durable, recyclable, and products delivered with minimal packaging

Recycling: GS

“Establish a program...for the collection of all recyclable materials generated in State offices throughout the State.”

Required Materials:

- Aluminum
- Recyclable glass
- Plastic bottles
- Newspaper
- Sorted office paper {incl. copier, bond, & computer paper, ledger, white envelopes}

Recycling: EO

- Requires “at a minimum”
 - Aluminum cans
 - High-grade office paper
 - Corrugated cardboard
- ‘Special Event Recycling’; facilities that host the general public (i.e. sporting events and conferences)

Recycling Education: EO

“It shall be the duty of each state agency to educate and encourage employee participation in agency waste reduction and recycling programs.”

I try to tell people to recycle!

But they just don't listen...



Pimping Your Program

- Identify perceived and actual barriers
- Select tools to help overcome barriers
- Pilot Project – commitment & norms
- Evaluate, fine tune, and implement
- Buy-in from the top-down
- Find Policies and Procedures
- Examine Existing Contracts
- Identify Markets
- Training (staff, students, cleaning crew, website)

Justifying Recycling

It's not just about landfills, it's:

- Jobs
- Clean air
- NC's economy
- Efficiency of government
- Business sense

Whatcha Need

- Update policies and procedures
- Containers (Indoor/Outdoor)
- Collection contract or transportation
- Training Manuals
- Website
- Advertising

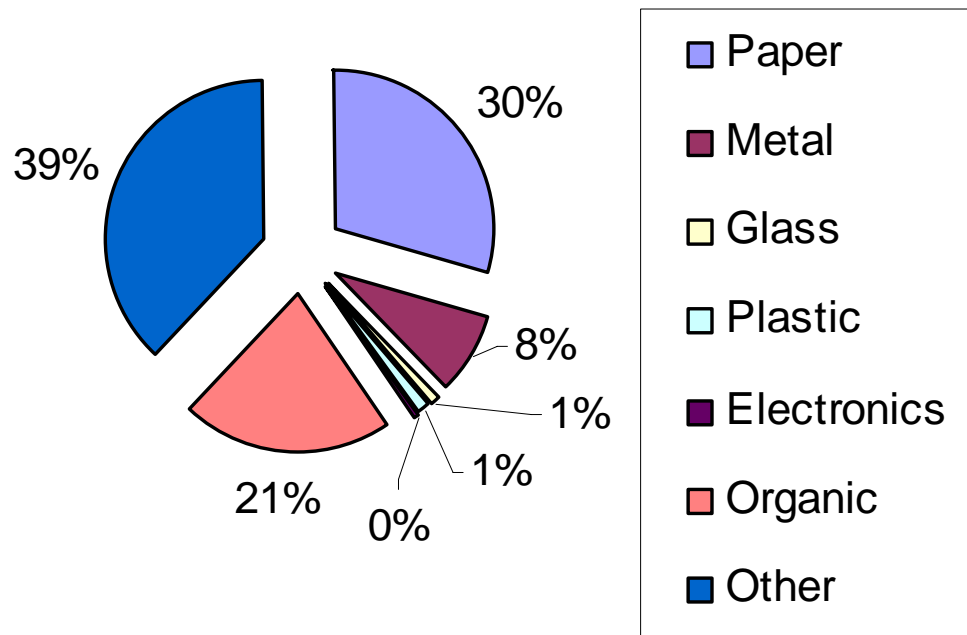
Homework: Reporting

- GS – Evaluate the amount of recyclable wastepaper used in agency operations
- EO – Report annually to DPPEA, at a minimum: activities or programs implemented to reduce solid waste generated; quantities and types of materials recycled, and dollar amounts and types of recycled products purchased

DUE November 15th!

2006 Recycling Report

2006 Recycling Breakout



27%
recycling
rate

\$91/ton,
\$32 less
than solid
waste

Did someone ask for a Tutor?

Supported by DPPEA; providing technical assistance, education, and training

- Recycling RFPs
- Specifications
- Policies
- Markets
- Container Vendor List
- Education and Promotional Materials

Information and Resources

- NC Project Green
- CRA Collegiate Group
- E-Procurement
- RE3
- Recyclmania
- Center for New American Dream

Learn from your peers!

Green Purchasing 101

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Procurement for Agencies

GS - “All State departments, institutions, agencies, community colleges, and local school administrative units shall, to the extent economically practicable, purchase and use, or require the purchase and use of, products with recycled content.”

EO - “...State agencies shall procure and use environmentally preferable goods and services, including products made wholly or in part from recycled materials, whenever feasible and practicable.”

Focus Area: *More energy efficient, less toxic, less polluting, and which generate less waste overall*

Procurement: DOA's Assignment from GS

“Review and revise its bid procedures and specifications...to encourage the purchase or use of reusable, refillable, repairable, more durable, and less toxic supplies and products...to the extent that the purchase or use is practicable and cost-effective.”

Buying Recycled



Recycling. To a can, it's proof of an afterlife.

www.recycleguys.org

Buying EPP



Classic Picnic Table

- Made from trees
- Needs annual maintenance - paint for protection and aesthetics
- Lower upfront cost
- Replaced every 1-2 years



Plastic Lumber Table

- Made from recycled plastic
- Low maintenance – no painting, splintering, or rotting
- Durable (guaranteed to last 50 years)
- Higher upfront cost

Do Inventory



- Paper - photocopier/printer paper, notebooks and notepads, note cards, post-its, folders, calendars, envelopes
- Supplies - pencils, pens, scissors, tape dispensers, toner cartridges
- Technology - computers, photocopiers, printers, lights
- Vehicle related - cars, oil, diesel
- Cleaning products - cleaners, trash can liners, trash cans, paper towels, toilet tissue
- Building materials – paint, benches, mulch, carpet, furniture
- Water related – shower heads, urinals, toilets

Products on State Contracts

- 060E: Retread Tires
- 200A: Uniforms
- 207A: Laser Toner Cartridges
- 360A: Carpet
- 395B: Paper and Labels
- 615A: General Office Supplies
- 600B: Remanufactured Copiers
- 640A: Tissue & Paper Towels
- 640B: Plastic Trash Bags
- 645A: Office Paper & Envelopes
- 405J: Re-refined oil
- 070J: Alternative Fuel Vehicles
- 405L: Biodiesel

Where to Look for Recycled Products



- Existing vendors
- State/Federal Contract
- Internet resources
- Trade exhibitions and shows
- The Official Recycled Products Guide

Procurement Specifics: EO

- Electronic office equipment: Energy Star compliant
- Remanufactured & used equipment: purchasing preference
- Vehicles: less polluting fuels, highest available mpg



Easy Energy Switches

- Energy Star - EPA program promoting energy efficiency in appliances and office equipment; www.energystar.gov/
- Consider NC Green Power; www.ncgp.org/
- Compact Fluorescents: replacement for incandescent bulbs; last 3-5 times as long and saves energy as well

Vehicular Opportunities



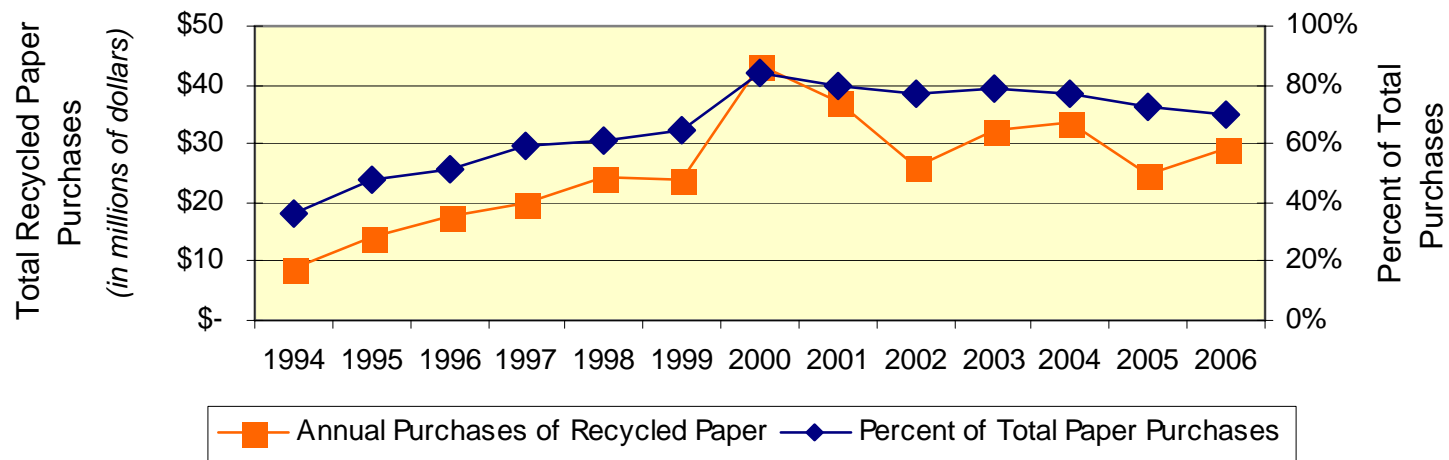
- Re-refined motor oil
 - On STC/American Petroleum Institute (API) Certified
- Retread tires
- Alternative Fuel Vehicles
 - 3,317 in State Motor Pool (propane gas, ethanol, or compressed natural gas)
 - State's primary alternate fuel is E-85; costs about \$0.27 more/gal
 - Public Biodiesel tanks in Durham, Cary, and Garner at equal cost
- Hybrid cars
 - 46 in State Motor Pool
- Triangle Clean Cities; www.trianglecleancities.org/index.shtml
- Alternative Fuels Data Center; www.eere.energy.gov/afdc/

Paper Procurement

- GS Required: "...it is the goal of the State that each department, institution, agency, community college, and local school administrative unit purchase paper and paper products with recycled content" - **at least 50% of the total amount spent during the FY by June 1997**
- EO - **Recycled paper required for all paper purchases by FY 2001**
- EO - Photocopy machines and laser printers must be able to utilize recycled content paper

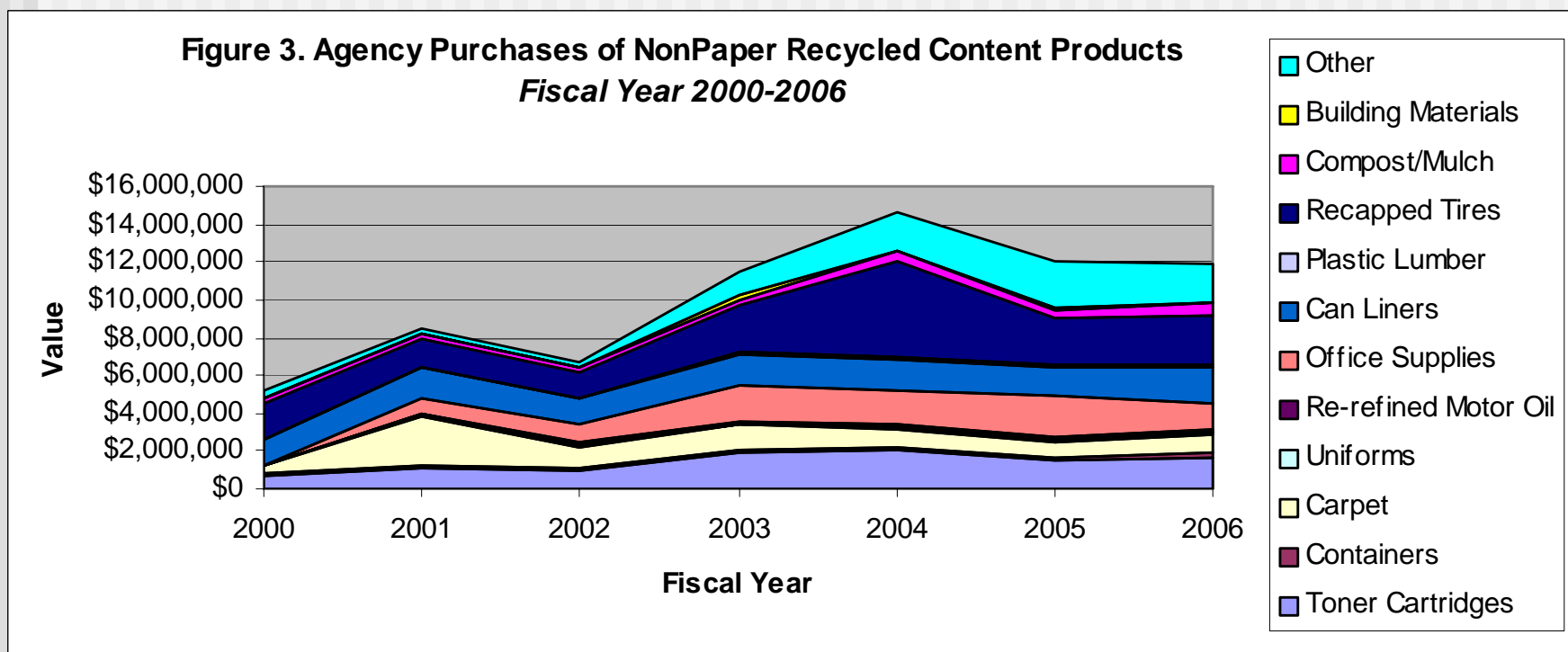
State Agency Accomplishments 2006

Figure 2. State Agency Total Purchases of Recycled Paper and Paper Products
Fiscal Years 1994-2006



- ✓ 76% of paper products purchased had recycled content
- ✓ 1/3 reached 90% recycled content paper purchases
- ✓ 21 agencies, four more than last year, met the 100% goal

State Agency Accomplishments 2006



- ✓ Agencies spent \$11.8 million on non-paper recycled products
- ✓ Base purchasing decisions on full environmental impact versus one-time cost
- ✓ Join NC Sustainability listserv and participate in NC Project Green

Agency Sustainability: EO

“Each state agency shall be responsible for implementing programs to make its operations environmentally sustainable, including, but not limited to, programs to reduce and recycle solid wastes and procure environmentally preferable goods and services.”

Required: Environmental Sustainability Officer

Honors Classes: Sustainability

Assess impacts of facility and operations on health and safety, environmental quality, land use, and resource conservation

- Capital improvements – energy efficient, water conservation, land preservation
- Facilities management – reduce energy and fuel consumption, conserve water, minimize emissions
- Vehicle use and transportation – alternative fueled or low emission vehicles, carpool, flex-time, telecommuting

Honors EPP

- Organic foods
- Biobased products
- Building materials – paint, benches, mulch, carpet, furniture
- Green building
 - Energy & water efficient, clean air, paint, carpet, windows, lighting, wood, and much more
 - NC Green Building; www.ncgreenbuilding.org/site/ncg/index.cfm
 - US Green Building Council; www.usgbc.org