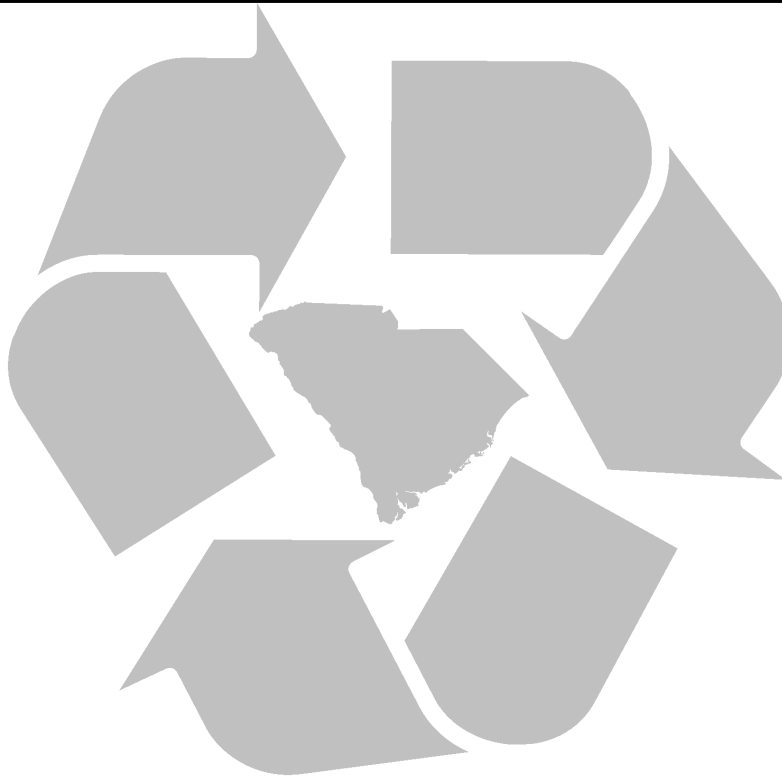


State Agencies/Colleges & Universities
RECYCLING & BUY RECYCLED
Annual Report ■ Fiscal Year 2006

Prepared for Gov. Mark Sanford
and the Members of the Legislature for the State of South Carolina

Prepared by the S.C. Department of Health and Environmental Control
Division of Mining and Solid Waste Management
Office of Solid Waste Reduction and Recycling
Arthur D. Braswell, Director



South Carolina Department of Health
and Environmental Control

Introduction

The S.C. Solid Waste Policy and Management Act (Act) was signed into law on May 27, 1991. The Act, which is the state's first comprehensive law on solid waste management, set recycling and disposal goals. It also requires local governments to keep track of materials recycled and to report annually to the S.C. Department of Health and Environmental Control's (DHEC) Office of Solid Waste Reduction and Recycling (Office).

The Act was amended on October 3, 2000 requiring state agencies as well as state-supported colleges and universities to:

- submit to DHEC a report detailing their recycling programs; and
- provide a list of products – purchased during the previous fiscal year – containing recycled materials.

The Office is responsible for compiling and reviewing data from these reports and publishing the "State Agencies/Colleges & Universities Recycling & Buy Recycled Annual Report" by November 1 each year. This annual report provides information for fiscal year (FY) 2006, reflecting activities from July 1, 2005 through June 30, 2006.

In addition to summarizing the information reported, the Act also requires the Office to determine what percentage of state purchases contain recycled materials and include this information in the report.

Unfortunately, such an effort is not possible because a system is not in place for tracking the amount of dollars spent on buying recycled products. There have been discussions (and attempts made) with the S.C. Budget and Control Board's Materials Management Office (MMO) to measure this effort, but currently vendors are not required to report on individual items under a contract; instead they provide data on overall contract usage (which in most cases, would include items other than those made from recycled materials). Therefore, a specific dollar amount cannot be generated at this time.

To compensate for not having a tracking mechanism, the Office, in years past, had asked for estimates on the total dollar expenditures towards recycled content products and services, but without a quantifiable way to measure such activities, the number isn't an accurate reflection on what is taking place at the agency and college/university level. Because of that, the Office asked this year for respondents to report on what is purchased (instead of how much) and, not surprisingly, many schools and agencies reported buying recycled content copy paper, bathroom paper products, toner and inkjet cartridges as well as business cards and stationary.

Staff is working closely with MMO so that future state contracts require the procurement of recycled content products, when feasible. For example, plastic trash can liners and bathroom paper products currently on state contract are made from recycled

materials. Staff also is working with MMO to allow for the procurement of certain paper products in recycled content only – instead of offering a choice between virgin and recycled. The state will continue to support the concept of 'closing the loop' on recycling – that is collecting, processing and purchasing recycled materials.

In FY06, 17,646 tons of material were recycled and marketed into a new product. This amount reflects a decrease of less than 2 percent from FY05. Despite more agencies reporting than ever before, there was a slight decrease in most categories along with a significant change in one category. The latter can be directly attributed to a one-time event with an agency that recycled a large amount of steel that took place in FY05 but was not repeated in FY06. The S.C. Department of Transportation (DOT) reported additional recycling efforts. DOT recycled more than 240,000 tons of asphalt pavement, old sidewalks, bridge steel and concrete.

Recycling and buying recycled are important issues and have the potential to save money, conserve natural resources and protect the environment. State government and public schools have the opportunity to serve as a model to the private sector as well as the public on how this can be done.

This information was compiled from 86 surveys received from state agencies, colleges and universities, up 10 from FY05.

State Agencies

Sixty-one state agencies reported recycling 8,339 tons of material. Of that amount, the No. 1 item recycled was mixed metal, followed by office paper.

When it comes to buying recycled content products, 65 percent of respondents reported purchasing recycled copy paper, followed by 49 percent respondents purchasing recycled toner and/or inkjet cartridges.

S.C. State Agencies Reporting for FY06

- Accident Fund
- Administrative Law Court
- Arts Commission
- Attorney General
- Budget and Control Board
 - General Services Division (includes Capitol Complex and Capital Center)
 - Materials Management Office
 - Office of Internal Operations
 - Office of State Budget
 - Retirement Systems
 - State Data Center/CIO
- Commission for the Blind
- Commission on Indigent Defense
- Commission on Prosecution Coordination
- Comptroller General
- Department of Archives and History
- Department of Commerce
- Department of Consumer Affairs
- Department of Corrections
- Department of Education
- Department of Health and Environmental Control
- Department of Health and Human Services
- Department of Insurance
- Department of Juvenile Justice
- Department of Labor, Licensing and Regulation
- Department of Mental Health
- Department of Natural Resources
- Department of Parks, Recreation and Tourism
- Department of Probation, Parole and Pardon Services
- Department of Public Safety
- Department of Revenue
- Department of Social Services
- Department of Transportation
- Education Oversight Committee
- Election Commission
- Employment Security Commission
- Forestry Commission
- Human Affairs Commission
- Judicial Department
- Legislative Audit Council
- Legislative Printing, Information and Technology Systems
- Office of the Adjutant General
- Office of the State Auditor
- Patriots Point Development Authority
- Public Service Commission
- Santee Cooper
- School for the Deaf and the Blind
- Sea Grant Consortium
- Second Injury Fund
- Secretary of State
- S.C. Commission on Higher Education
- S.C. Confederate Relic Room
- S.C. Criminal Justice Academy
- S.C. Education Television
- S.C. Higher Education Tuition Grants Commission
- S.C. Housing Finance Development Authority
- S.C. Vocational Rehabilitation Department
- State Board of Technical and Comprehensive Education
- State Ethics Commission
- State Library
- State Museum
- State Ports Authority
- State Treasurer's Office

MORE TO KNOW: In addition to the 8,339 tons of material recycled by state agencies, colleges and universities and the 244,000 tons recycled by the Department of Transportation, Santee Cooper reported recycling 766,456 tons of fly ash. This material is generated from their operations in Berkeley, Georgetown and Horry counties and used in concrete, cement, asphalt, roadbase stabilization as well as other applications.

| COMMODITIES RECYCLED | | STATE TOTAL |
|--------------------------------|-----------------------------|-----------------|
| PAPER | Magazines | 21.20 |
| | Office paper | 1,185.55 |
| | Newspapers and inserts | 14.12 |
| | Corrugated cardboard | 881.78 |
| | Phone books | 19.30 |
| | Paperboard | 0.05 |
| | Other/mixed paper | 74.08 |
| PLASTIC (Bottles) | #1 PET | 3.72 |
| | #2 HDPE | 8.47 |
| | #3 Vinyl | 0.10 |
| | Other mixed/plastic bottles | 5.12 |
| PLASTIC (Film) | #2 HDPE | 0.06 |
| | #4 LDPE | 0.05 |
| | Other/mixed plastic film | 3.21 |
| METAL | Aluminum (cans, foil) | 290.55 |
| | Steel cans | 150.78 |
| | Other ferrous metals | 439.45 |
| | White goods | 0.25 |
| | Other/mixed metal | 2,209.12 |
| GLASS (Containers & Packaging) | Brown | 0.18 |
| | Clear | 0.42 |
| | Green | 0.18 |
| | Other/mixed glass | 2.31 |
| WOOD | Pallets | 101.35 |
| | Furniture and cabinets | 0.26 |
| | Other/mixed wood | 178.51 |
| YARD TRIMMINGS/ FOOD SCRAPS | Grass clippings | 127.60 |
| | Food scraps | 0.05 |
| OTHER MATERIALS | Rechargeable batteries | 8.25 |
| | Antifreeze | 29.35 |
| | C&D debris | 12.00 |
| | Consumer electronics | 24.15 |
| | Cooking oil | 0.01 |
| | Fluorescent bulbs | 11.23 |
| | Lead-acid batteries | 115.53 |
| | Paint (oil or latex) | 0.25 |
| | Tires | 552.43 |
| | Toner cartridges | 7.72 |
| | Used motor oil | 1,056.50 |
| | Used oil filters | 33.57 |
| | Other* | 770.21 |
| TOTAL | | 8,338.98 |

Colleges & Universities

Twenty-five colleges and universities reported recycling 9,307 tons of material. Of that amount, the No. 1 item recycled was construction and demolition debris, followed by office paper.

When it comes to buying recycled content products, 60 percent of respondents reported purchasing recycled content copy paper, followed by 52 percent respondents purchasing recycled content bathroom supplies including toilet tissue and paper towels.

S.C. Colleges & Universities Reporting for FY06

- Aiken Technical College
- Bob Jones University
- Charleston Southern University
- The Citadel
- Clemson University
- Coastal Carolina University
- College of Charleston
- Florence-Darlington Technical College
- Francis Marion University
- Horry-Georgetown Technical College
- Lander University
- Medical University of South Carolina
- Midlands Technical College
- Newberry College
- Northeastern Technical College
- Orangeburg-Calhoun Technical College
- Piedmont Technical College
- Technical College of the Lowcountry
- Trident Technical College
- University of South Carolina (USC) – Aiken
- USC – Sumter
- USC – Upstate
- Williamsburg Technical College
- Winthrop University
- York Technical College

MORE TO KNOW: Of the 17,646 tons reported as recycled, 11,736 tons are considered municipal solid waste, thereby counting towards the state's measured recycling rate in a report due in March 2007. This report will detail the amount of material recycled and disposed of by each county and for the state. Again, this year the efforts of state agencies, colleges and universities will be included in this amount. The remaining amount of material that is recycled includes automobiles, used oil from fleet operations and construction and demolition activities – none of which can be included in the state's measured recycling rate, although it does impact the state's total recycling efforts. For a copy of last year's Solid Waste Management Annual Report, visit www.scdhec.gov/recycle/html/pubs.html.

| COMMODITIES RECYCLED | | STATE TOTAL |
|--------------------------------|-----------------------------|-------------|
| PAPER | Magazines | 24.10 |
| | Office paper | 2,318.00 |
| | Newspapers and inserts | 7.48 |
| | Corrugated cardboard | 721.08 |
| | Phone books | 11.90 |
| | Paperboard | 15.10 |
| | Other/mixed paper | 429.02 |
| PLASTIC (Bottles) | #1 PET | 8.22 |
| | #2 HDPE | 0.00 |
| | #3 Vinyl | 0.00 |
| | Other mixed/plastic bottles | 13.53 |
| PLASTIC (Film) | #2 HDPE | 0.00 |
| | #4 LDPE | 0.00 |
| | Other/mixed plastic film | 67.00 |
| METAL | Aluminum (cans, foil) | 10.89 |
| | Steel cans | 7.00 |
| | Other ferrous metals | 336.92 |
| | White goods | 10.00 |
| | Other/mixed metal | 218.41 |
| GLASS (Containers & Packaging) | Brown | 0.00 |
| | Clear | 1.00 |
| | Green | 1.00 |
| | Other/mixed glass | 27.10 |
| WOOD | Pallets | 72.22 |
| | Furniture and cabinets | 4.50 |
| | Other/mixed wood | 2.00 |
| YARD TRIMMINGS/ FOOD SCRAPS | Grass clippings | 755.98 |
| | Food scraps | 0.00 |
| OTHER MATERIALS | Rechargeable batteries | 0.33 |
| | Antifreeze | 0.62 |
| | C&D debris | 4,036.43 |
| | Consumer electronics | 55.97 |
| | Cooking oil | 49.88 |
| | Fluorescent bulbs | 16.60 |
| | Lead-acid batteries | 3.23 |
| | Paint (oil or latex) | 0.00 |
| | Tires | 4.09 |
| | Toner cartridges | 3.37 |
| | Used motor oil | 35.53 |
| | Used oil filters | 0.64 |
| | Other* | 38.19 |
| | TOTAL | |

* Other includes rags with solvent, diesel, paint, textiles and transmission fluid.