

State Agencies/Colleges & Universities WASTE REDUCTION, RECYCLING & BUY RECYCLED Annual Report ■ Fiscal Year 2005

Prepared for **Governor 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
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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 waste reduction and recycling goals. It also requires local governments to keep track of waste generated and to report annually to the S.C. Department of Health and Environmental Control (DHEC). In addition, the Act established DHEC's 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 measure waste reduction, recycling and buying recycled activities and report those efforts to DHEC. Specifically,

state agencies as well as colleges and universities must:

- identify waste reduction practices;
- measure materials being recycled; and
- measure and report the purchases of recycled content products.

The Office is responsible for compiling data from these reports and publishing the "State Agencies/Colleges and Universities Waste Reduction, Recycling and Buy Recycled Annual Report" by November 1 each year. This annual report provides information for fiscal year (FY) 2005, reflecting activities from July 1, 2004 through June 30, 2005.

Waste reduction, 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.

In FY05, 17,871 tons of material were recycled – that is, collected, separated, processed and marketed into a new product. This amount reflects an increase of 16 percent over FY04.

This information was compiled from 76 surveys received from state agencies, colleges and universities.



South Carolina Department of Health
and Environmental Control

State Agencies

Fifty-one state agencies reported recycling 10,189 tons of material. Of that amount, the No. 1 item recycled was ferrous metals, followed by office paper. In addition, the top-ranked waste reduction effort for state agencies was using e-mail for routine communication, with 86 percent of respondents using this practice, followed by 80 percent making two-sided copies to reduce waste.

When it comes to buying recycled content products, 25 respondents reported spending an average of 19 percent of their total dollar expenditures on materials and supplies for recycled content products – the No. 1 item being copy paper.

S.C. State Agencies Reporting for FY05

- Administrative Law Court
- Attorney General
- Budget and Control Board
 - General Services Division
 - Materials Management Office
 - Office of Internal Operations
 - Office of Local Government
 - Office of State Budget
 - Retirement Systems
 - State Data Center – CIO
- Commission for the Blind
- Department of Agriculture
- Department of Alcohol and Other Drug Abuse Services
- Department of Archives and History
- Department of Commerce
- Department of Consumer Affairs
- Department of Corrections
- Department of Disabilities and Special Needs
- 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 Probation, Parole and Pardon Services
- Department of Public Safety
- Department of Revenue
- Department of Social Services
- Department of Transportation
- Employment Security Commission
- Human Affairs Commission
- Indigent Defense
- Judicial Department
- Legislative Audit Council
- Legislative Printing, Information and Technology Systems
- Office of the Adjutant General
- Office of the State Auditor
- Patriots Point Authority
- Santee Cooper
- S.C. Confederate Relic Room
- S.C. Education Television
- S.C. Higher Education Tuition Grants Commission
- S.C. Law Enforcement Division
- S.C. Vocational Rehabilitation Department
- State Accident Fund
- State Ethics Commission
- State Library
- State Museum
- State Ports Authority
- State Treasurer's Office

MORE TO KNOW: In addition to the 17,871 tons of material recycled by state agencies, colleges and universities, Santee Cooper reported recycling 672,635 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	18.47
	Office paper	1,276.81
	Newspapers and inserts	9.81
	Corrugated cardboard	1,053.24
	Phone books	72.24
	Paperboard	—
	Other/mixed paper	298.89
PLASTIC (Bottles)	#1 PET	0.60
	#2 HDPE	5.06
	#3 Vinyl	0.08
	Other mixed/plastic bottles	1.07
PLASTIC (Film)	#2 HDPE	—
	#4 LDPE	—
	Other/mixed plastic film	0.10
METAL	Aluminum (cans, foil)	169.08
	Steel cans	174.22
	Other ferrous metals	3,739.12
	White goods	192.60
	Other/mixed metal	650.62
GLASS (Containers & Packaging)	Brown	—
	Clear	0.01
	Green	—
	Other/mixed glass	—
WOOD	Pallets	107.54
	Furniture and cabinets	0.99
	Other/mixed wood	155.00
YARD TRIMMINGS/ FOOD SCRAPS	Grass clippings	0.00
	Food scraps	—
OTHER MATERIALS	Rechargeable batteries	9.82
	Antifreeze	24.77
	Consumer electronics	109.03
	Cooking oil	—
	Fluorescent bulbs	7.14
	Lead-acid batteries	119.75
	Paint (oil or latex)	4.39
	Tires	418.81
	Toner cartridges	15.34
	Used oil filters	154.69
	Other*	1,399.22
TOTAL		10,188.51

* Other includes automobiles, used motor oil and construction and demolition debris.

Colleges & Universities

Twenty-five colleges and universities reported recycling 7,682 tons of material. Of that amount, the No. 1 item recycled was construction and demolition debris followed by office paper. In addition, the top-ranked waste reduction effort for colleges and universities was using e-mail for routine communication, with 91 percent of respondents using this practice, followed by 83 percent reusing boxes to reduce waste.

When it comes to buying recycled content products, 12 respondents reported spending an average of 11 percent of their total dollar expenditures on materials and supplies for recycled content products – the No. 1 item being copy paper.

S.C. Colleges & Universities Reporting for FY05

- Aiken Technical College
- Bob Jones University
- The Citadel
- Clemson University
- Coastal Carolina University
- Coker College
- College of Charleston
- Florence-Darlington Technical College
- Francis Marion University
- Greenville Technical College
- Lander University
- Midlands Technical College
- Medical University of South Carolina
- Northeastern Technical College
- Orangeburg-Calhoun Technical College
- Piedmont Technical College
- Technical College of the Lowcountry
- Trident Technical College
- University of South Carolina – Aiken
- University of South Carolina
- University of South Carolina – Sumter
- University of South Carolina – Upstate
- Williamsburg Technical College
- Winthrop University
- York Technical College

MORE TO KNOW: Of the 17,871 tons reported as recycled, 13,509 tons are considered municipal solid waste, thereby counting towards the state's measured recycling rate in a report due out early 2006. This report will detail the amount of material recycled and disposed of by each county and for the state. For the first time, 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	16.35
	Office paper	1,306.21
	Newspapers and inserts	33.98
	Corrugated cardboard	873.27
	Phone books	13.97
	Paperboard	1.10
	Other/mixed paper	1,266.04
PLASTIC (Bottles)	#1 PET	29.02
	#2 HDPE	20.97
	#3 Vinyl	—
	Other mixed/plastic bottles	34.37
PLASTIC (Film)	#2 HDPE	—
	#4 LDPE	—
	Other/mixed plastic film	4.06
METAL	Aluminum (cans, foil)	20.39
	Steel cans	0.98
	Other ferrous metals	247.89
	White goods	10.70
	Other/mixed metal	168.93
GLASS (Containers & Packaging)	Brown	9.90
	Clear	9.90
	Green	9.90
	Other/mixed glass	1.27
WOOD	Pallets	85.27
	Furniture and cabinets	2.81
	Other/mixed wood	48.37
YARD TRIMMINGS/ FOOD SCRAPS	Grass clippings	140.88
	Food scraps	4.00
OTHER MATERIALS	Rechargeable batteries	1.32
	Antifreeze	1.46
	Consumer electronics	264.75
	Cooking oil	43.85
	Fluorescent bulbs	27.95
	Lead-acid batteries	8.66
	Paint (oil or latex)	1.97
	Tires	5.10
	Toner cartridges	2.27
	Used oil filters	1.75
	Other*	2,961.98
TOTAL		7,681.58

* Other includes automobiles, used motor oil and construction and demolition debris.