

**State Agencies/Colleges & Universities**  
**RECYCLING & BUY RECYCLED**  
**Annual Report ■ Fiscal Year 2009**

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Prepared for **Gov. Mark Sanford**  
and the **Members of the S.C. Legislature**

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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South Carolina Department of Health  
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[www.scdhec.gov](http://www.scdhec.gov)

# Introduction

The S.C. Solid Waste Policy and Management Act (Act) was signed into law on May 27, 1991. The Act, which is South Carolina's first comprehensive law on solid waste management, set recycling and disposal goals to be achieved at the state level through efforts at the local level (i.e., state agencies, colleges and universities, counties and businesses). 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). Section 44-96-140 of 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 that contain 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 report provides information for fiscal year

(FY) 2009 reflecting activities from July 1, 2008 through June 30, 2009.

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. Currently, such an effort is not possible because a system is not in place for tracking the amount spent on recycled-content products. Therefore, a specific dollar amount and percentage of purchases cannot be provided.

To compensate for not having a tracking mechanism, the Office asks respondents to report what is purchased (instead of how much). Not surprisingly, many schools and agencies reported buying recycled-content copy paper, toner/inkjet cartridges as well as stationery. There are some options available for purchasing officials to buy recycled-content products on state contract. Typically, a state contract is established by the S.C. Budget and Control Board's Materials Management Office when it has been determined that an item has widespread use throughout the state. Currently, recycled-content paper and envelopes as well as plastic trash can liners and bathroom paper products are available on state-term contract.

Representatives of DHEC, the S.C. Budget and Control Board, the S.C. Department of Commerce and the S.C. Energy Office developed a Green Purchasing Initiative. This group is working to create a policy promoting green procurement, requiring the consideration of the environmental impacts of a product or service from its acquisition to its use and end-of-life management. The initiative began this past fiscal year. There are plans for workshops in FY10, with a focus on how the expectations of the policy can be met.

In FY09, 15,507 tons of material was recycled by state agencies and colleges/universities. The significant decrease from the 75,269 tons recycled in FY08 is a result of one-time deconstruction projects on two university campuses that took place in FY08. These projects were not repeated in FY09. The recycling information was compiled from 67 surveys received from state agencies as well as 32 colleges and universities, up seven from FY08. Both public and private colleges and universities efforts are included in this report, although only state-supported schools are required to report.

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.

## The S.C. Resource Conservation Challenge

To continue promoting recycling and buying recycled as well as to encourage state agencies and colleges and universities to conserve natural resources and perhaps save money in the process, the S.C. Resource Conservation Challenge (S.C. RCC) was developed in 2003. The S.C. RCC was modeled after the U.S. Environmental Protection Agency's national Resource Conservation Challenge.

In FY09, the sixth annual S.C. RCC Workshop was held. Nearly 100 individuals attended the workshop that provided information on a wide range of topics. The workshop began with an overview of sustainability and how our activities impact the environment. Other presentations covered pollution prevention, green cleaning, electronics recycling, water efficiency and protecting air quality. A presentation on the Green Purchasing Initiative outlined the state's new efforts to encourage environmentally friendly purchasing.

For more information on the S.C. RCC, visit [www.scdhec.gov/rcc](http://www.scdhec.gov/rcc).

"The State Agencies/Colleges & Universities Recycling & Buy Recycled Annual Report for Fiscal Year 2009" is submitted by DHEC in compliance with S.C. Code Section 44-96-140 (C). Additionally, Act 119 of 2005 mandates that agencies provide all reports to the General Assembly in an electronic format.

# State Agencies

Sixty-seven state agencies recycled 8,339 tons of material in FY09. Of that amount, the No. 1 item recycled was ferrous metal, followed by office paper.

When it comes to buying recycled-content products, 20 state agencies reported purchasing recycled-content copy paper, followed by 19 agencies purchasing recycled-content toner and/or inkjet cartridges.

## S.C. State Agencies Reporting for FY09

- Arts Commission
- Attorney General
- Budget and Control Board
- Commission for the Blind
- Commission on Higher Education
- Commission on Indigent Defense
- Commission on Prosecution Coordination
- Comptroller General
- Criminal Justice Academy
- 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 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 Motor Vehicles
- 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 Lottery Commission
- Education Oversight Committee
- Election Commission
- Emergency Management Division
- Employment Security Commission
- First Steps
- Forestry Commission
- Governor's Mansion
- Governor's Office
- Higher Education Tuition Grants Commission
- House of Representatives
- Human Affairs Commission
- Judicial Department
- Legislative Audit Council
- Legislative Printing, Information and Technology Systems
- Lt. Governor's Office
- Office of the Adjutant General
- Office of Regulatory Staff
- Office of the State Auditor
- Office of the State Treasurer
- Patriots Point Development Authority
- Public Service Commission
- Santee Cooper
- Sea Grant Consortium
- Second Injury Fund
- Secretary of State
- Senate
- State Accident Fund
- State Board of Technical and Comprehensive Education
- State Ethics Commission
- State Housing Finance and Development Authority
- State Law Enforcement Division
- State Library
- State Museum
- State Ports Authority
- Vocational Rehabilitation Department
- Workers' Compensation Commission

**MORE TO KNOW:** In addition to the 15,507 tons of material recycled by colleges/universities and state agencies, Santee Cooper reported recycling 556,961 tons of gypsum and 410,343 tons of fly ash. This material is generated from their operations in Berkeley, Georgetown and Horry counties and used in concrete, cement, asphalt, road base stabilization as well as other applications.

COMMODITIES RECYCLED		AMOUNT (tons)
PAPER	Magazines	94.71
	Office paper	1,460.94
	Newspapers and inserts	57.42
	Corrugated cardboard	889.66
	Phone books	19.80
	Paperboard	1.10
	Other/mixed paper	265.46
PLASTIC (Bottles)	#1 PET	34.39
	#2 HDPE	32.43
	#3 Vinyl	0.00
	Other/mixed plastic bottles	9.29
PLASTIC (Film)	#2 HDPE	0.00
	#4 LDPE	0.00
	Other/mixed plastic film	7.15
METAL	Aluminum (cans, foil)	125.06
	Steel cans	212.10
	Other ferrous metals	2,147.61
	White goods	156.40
	Other/mixed metal	306.46
GLASS (Containers & Packaging)	Brown	0.03
	Clear	0.15
	Green	0.00
	Other/mixed glass	0.10
WOOD	Pallets	206.36
	Furniture and cabinets	2.14
	Other/mixed wood	0.00
YARD TRIMMINGS/FOOD SCRAPS	Grass clippings	1.66
	Food scraps	0.01
OTHER MATERIALS	Rechargeable batteries	9.63
	Antifreeze	16.41
	Construction & demolition (C&D) debris	590.55
	Consumer electronics	18.48
	Cooking oil	0.78
	Fluorescent bulbs	22.73
	Lead-acid batteries	44.33
	Paint (oil or latex)	0.32
	Tires	134.55
	Toner cartridges	15.21
	Used motor oil	618.63
Used oil filters	49.80	
Other*	787.04	
<b>TOTAL</b>		<b>8,338.89</b>

\*Other includes electric poles and textiles.

# Colleges & Universities

Thirty colleges and universities reported recycling 7,168 tons of material. In addition, two colleges reported no recycling, but did report their buy-recycled efforts. The No. 1 item recycled was cardboard, followed by C&D debris.

When it comes to buying recycled-content products, 20 colleges and universities reported purchasing recycled-content copy paper, followed by 16 schools purchasing recycled-content toner and/or inkjet cartridges.

## S.C. Colleges & Universities Reporting for FY09

- Aiken Technical College
- Bob Jones University
- Central Carolina Technical College
- The Citadel
- Clemson University
- Coastal Carolina University
- College of Charleston
- Columbia College
- Erskine College
- Florence-Darlington Technical College
- Francis Marion University
- Furman University
- Greenville Technical College
- Lander University
- The Medical University of South Carolina
- Midlands Technical College
- Northeastern Technical College
- Orangeburg-Calhoun Technical College
- Piedmont Technical College
- Presbyterian College
- Spartanburg Technical College
- Technical College of the Lowcountry
- Trident Technical College
- The University of South Carolina (USC)
- USC – Aiken
- USC – Sumter
- USC – Upstate
- Williamsburg Technical College
- Winthrop University
- York Technical College

**MORE TO KNOW:** Of the 15,507 tons of material recycled by colleges/universities and state agencies, about 12,000 tons are considered municipal solid waste and are included in the state's measured recycling rate. The remaining material that is recycled includes used oil from fleet operations, medical products and C&D debris – none of which can be included in the state's measured recycling rate, although they impact the state's total recycling efforts.

"The S.C. Solid Waste Management Annual Report" details the amount of material recycled and disposed of in each county and for the state. Visit [www.scdhec.gov/environment/lwm/recycle/annual\\_report.htm](http://www.scdhec.gov/environment/lwm/recycle/annual_report.htm) for a copy of last year's report.

COMMODITIES RECYCLED		AMOUNT (tons)
PAPER	Magazines	8.31
	Office paper	1,355.74
	Newspapers and inserts	11.36
	Corrugated cardboard	1,448.22
	Phone books	14.08
	Paperboard	0.00
	Other/mixed paper	632.61
PLASTIC (Bottles)	#1 PET	28.68
	#2 HDPE	11.11
	#3 Vinyl	0.00
	Other/mixed plastic bottles	35.25
PLASTIC (Film)	#2 HDPE	0.00
	#4 LDPE	0.00
	Other/mixed plastic film	63.24
METAL	Aluminum (cans, foil)	31.93
	Steel cans	13.34
	Other ferrous metals	184.04
	White goods	4.00
	Other/mixed metal	603.65
GLASS (Containers & Packaging)	Brown	0.00
	Clear	0.00
	Green	0.00
	Other/mixed glass	43.24
WOOD	Pallets	110.65
	Furniture and cabinets	11.20
	Other/mixed wood	0.00
YARD TRIMMINGS/ FOOD SCRAPS	Grass clippings	695.52
	Food scraps	19.00
OTHER MATERIALS	Rechargeable batteries	5.22
	Antifreeze	1.13
	C&D debris	1,358.38
	Consumer electronics	170.25
	Cooking oil	50.46
	Fluorescent bulbs	45.84
	Lead-acid batteries	4.96
	Paint (oil or latex)	2.60
	Tires	15.69
	Toner cartridges	10.63
	Used motor oil	59.72
	Used oil filters	1.25
	Other*	116.53
<b>TOTAL</b>		<b>7,167.83</b>