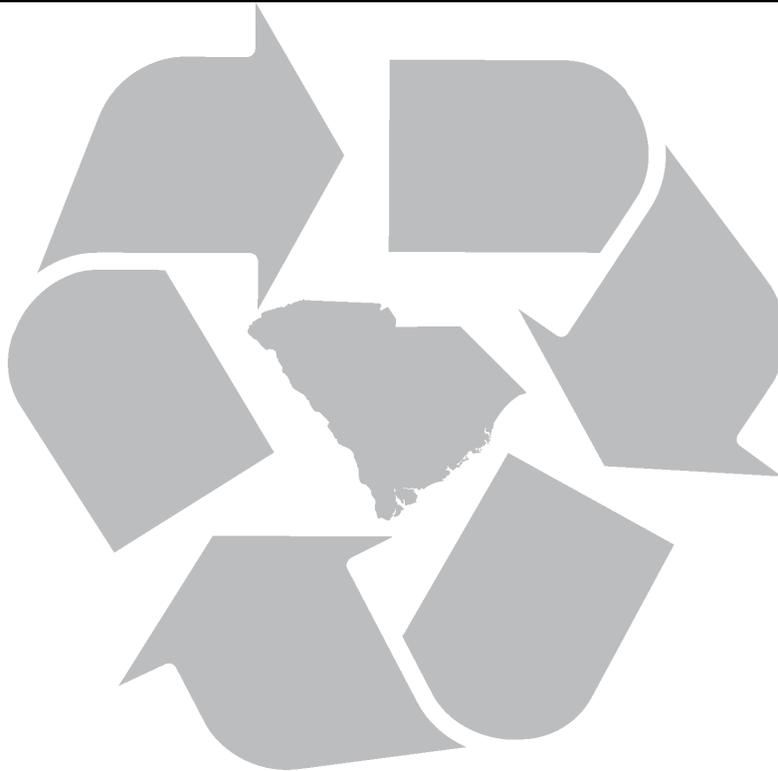


State Agencies/Colleges & Universities
RECYCLING & BUY RECYCLED
Annual Report ■ Fiscal Year 2007

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



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 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) 2007 reflecting activities from July 1, 2006 through June 30, 2007.

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 recycled-content products. Previously, there have been discussions with the S.C. Budget and Control Board's Materials Management Office (MMO) to measure these efforts, 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 and percentage of purchases cannot be provided at this time. 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, bathroom paper products, toner/inkjet cartridges as well as business cards and stationary.

Staff continues to work closely with MMO so that 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. For the second year in a row, recycled-content paper and envelopes were available on the state-term contract. The state will continue to support the concept of 'closing the loop' on recycling – that is collecting, processing and purchasing recycled materials.

In FY07, 17,023 tons of material were recycled by state agencies and colleges/universities. This amount reflects a decrease of less than 4 percent from FY06. This decrease is the result of a one-time event with a university that recycled a large amount of construction and demolition (C&D) debris during a project that took place in FY06, but was not repeated in FY07.

To continue promoting these activities, (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. The Challenge was modeled after the U.S. Environmental Protection Agency's (U.S. EPA) national Resource Conservation Challenge.

In FY07, the fourth annual S.C. RCC Workshop was held. Nearly 100 individuals attended the workshop that provided information on a wide range of topics. Staff from the U.S. EPA provided an overview of its WasteWise program and encouraged attendees to become partners.

Presentations covered the state's recycling contracts for electronics as well as used motor oil and used motor oil filters. Buying recycled, recycling services provided by the S.C. Department of Corrections and the use of alternative fuels also were discussed. Staff from Winthrop University presented information on the use of green cleaning products. All attendees received a variety of materials to assist with their resource conservation efforts.

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 information for this report was compiled from 85 surveys received from state agencies, colleges and universities, down one from FY06.

RecycleMania, organized by university recycling coordinators with the support of the U.S. EPA's WasteWise program and the National Recycling Coalition, is a national recycling competition in which colleges and universities engage in an environmentally friendly rivalry to determine which schools recycle the most and generate the least waste. For the second consecutive year, the Office promoted this program in South Carolina.

Seven S.C. colleges and universities participated in the 10-week competition. Bob Jones University, The Citadel, Clemson University, Coker College, College of Charleston, the Medical University of South Carolina and Winthrop University were among more than 200 schools from 42 states that participated in the sixth annual RecycleMania competition.

South Carolina had one of the strongest showings in the RecycleMania competition, with participating schools recycling nearly 1 million pounds of material as part of the competition.

State Agencies

Sixty-one state agencies (including 10 areas of the S.C. Budget and Control Board) reported recycling about 10,619 tons of material. This reflects a 27 percent increase over FY06. Of that amount, the No. 1 item recycled was office paper, followed by mixed metal.

When it comes to buying recycled-content products, 57 percent of respondents reported purchasing recycled-content copy paper, followed by 40 percent purchasing recycled-content toner and/or inkjet cartridges.

S.C. State Agencies Reporting for FY07

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| <ul style="list-style-type: none"> ■ Administrative Law Court ■ Arts Commission ■ Attorney General ■ Budget and Control Board <ul style="list-style-type: none"> <input type="checkbox"/> Employee Insurance Program <input type="checkbox"/> Energy Office <input type="checkbox"/> General Services Division (includes Capitol Complex and Capitol Center) <input type="checkbox"/> Insurance Reserve Fund <input type="checkbox"/> Materials Management Office <input type="checkbox"/> Office of Internal Operations <input type="checkbox"/> Office of Local Government <input type="checkbox"/> Office of State Budget <input type="checkbox"/> Retirement Systems <input type="checkbox"/> State Data Center ■ 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 | <ul style="list-style-type: none"> ■ 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 ■ Educational Television Network ■ Election Commission ■ Emergency Preparedness Division ■ Employment Security Commission ■ Forestry Commission ■ Governor's Office ■ Higher Education Tuition Grants Commission ■ 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 the State Auditor ■ Office of the State Treasurer ■ Patriots Point Development Authority ■ Public Service Commission ■ Santee Cooper ■ Sea Grant Consortium ■ Secretary of State ■ 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 |
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COMMODITIES RECYCLED		AMOUNT (TONS)
PAPER	Magazines	125.15
	Office paper	3,672.63
	Newspapers and inserts	85.09
	Corrugated cardboard	1,838.30
	Phone books	22.89
	Paperboard	0.67
	Other/mixed paper	329.69
PLASTIC (Bottles)	#1 PET	17.81
	#2 HDPE	17.97
	#3 Vinyl	0.07
	Other mixed/plastic bottles	7.18
PLASTIC (Film)	#2 HDPE	0.00
	#4 LDPE	0.03
	Other/mixed plastic film	8.50
METAL	Aluminum (cans, foil)	38.71
	Steel cans	519.53
	Other ferrous metals	252.59
	White goods	1.25
	Other/mixed metal	2,565.10
GLASS (Containers & Packaging)	Brown	2.20
	Clear	1.66
	Green	1.66
	Other/mixed glass	3.87
WOOD	Pallets	98.38
	Furniture and cabinets	0.36
	Other/mixed wood	0.38
YARD TRIMMINGS/FOOD SCRAPS	Grass clippings	69.20
	Food scraps	0.06
OTHER MATERIALS	Rechargeable batteries	3.29
	Antifreeze	15.40
	C&D debris	200.00
	Consumer electronics	17.89
	Cooking oil	0.00
	Fluorescent bulbs	37.62
	Lead-acid batteries	33.99
	Paint (oil or latex)	0.00
	Tires	100.86
	Toner cartridges	17.77
	Used motor oil	483.02
	Used oil filters	28.13
Other*	0.07	
TOTAL		10,618.97

Colleges & Universities

Twenty-four colleges and universities reported recycling 6,404 tons of material. Of that amount, the No. 1 item recycled was office paper followed by corrugated cardboard.

When it comes to buying recycled-content products, 69 percent of respondents reported purchasing recycled-content copy paper, followed by 47 percent purchasing recycled-content toner and/or inkjet cartridges.

S.C. Colleges & Universities Reporting for FY07

- Aiken Technical College
- Bob Jones University
- Central Carolina Technical College
- The Citadel
- Clemson University
- Coastal Carolina University
- Florence-Darlington Technical College
- Furman University
- Lander University
- The Medical University of South Carolina
- Midlands Technical College (Lexington County Campus)
- Northeastern Technical College
- Orangeburg-Calhoun Technical College
- Piedmont Technical College
- Spartanburg Technical College
- Technical College of the Lowcountry
- Trident Technical College
- University of South Carolina (USC)
- USC – Aiken
- USC – Sumter
- USC – Upstate
- Williamsburg Technical College
- Winthrop University
- York Technical College

MORE TO KNOW: Of the 17,023 tons of material recycled by state agencies and colleges/universities, 15,830 tons are considered municipal solid waste and are included in the state's measured recycling rate.

The remaining material that is recycled includes automobiles, used oil from fleet operations 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. For a copy of last year's report, visit www.scdhec.gov/recycle/html/pubs.html.

COMMODITIES RECYCLED		AMOUNT (tons)
PAPER	Magazines	21.02
	Office paper	1,514.42
	Newspapers and inserts	91.51
	Corrugated cardboard	1,217.62
	Phone books	12.90
	Paperboard	1.00
	Other/mixed paper	1,098.97
PLASTIC (Bottles)	#1 PET	41.96
	#2 HDPE	7.38
	#3 Vinyl	0.00
	Other mixed/plastic bottles	36.54
PLASTIC (Film)	#2 HDPE	0.00
	#4 LDPE	0.00
	Other/mixed plastic film	14.07
METAL	Aluminum (cans, foil)	18.12
	Steel cans	2.21
	Other ferrous metals	232.51
	White goods	3.00
	Other/mixed metal	600.61
GLASS (Containers & Packaging)	Brown	1.22
	Clear	1.00
	Green	0.49
	Other/mixed glass	41.08
WOOD	Pallets	114.32
	Furniture and cabinets	10.72
	Other/mixed wood	0.00
YARD TRIMMINGS/ FOOD SCRAPS	Grass clippings	339.03
	Food scraps	2.50
OTHER MATERIALS	Rechargeable batteries	1.91
	Antifreeze	5.60
	C&D debris	418.95
	Consumer electronics	226.38
	Cooking oil	139.30
	Fluorescent bulbs	34.98
	Lead-acid batteries	36.56
	Paint (oil or latex)	0.95
	Tires	31.61
	Toner cartridges	6.84
	Used motor oil	36.83
	Used oil filters	0.57
	Other*	38.92
TOTAL		6,403.60

* Other includes materials (e.g., lab packs, ethylene glycol, etc.) recovered for fuel.