

# Recycling Data for State Agencies & Colleges/Universities

The S.C. Solid Waste Policy and Management Act of 1991 (Act) – S.C. Code of Laws § 44-96-140 – requires state agencies and state-supported colleges/universities to:

- establish recycling programs for the collection of selected material including, but not limited to, aluminum, cardboard, glass, lead-acid batteries, paper, plastic, tires and used motor oil;
- evaluate and make necessary modifications to their programs to ensure material is recycled to the maximum extent possible; and
- establish waste reduction programs for material used in the course of operations to achieve the maximum feasible reduction.

In addition, the Act requires state agencies and state-supported colleges/universities to submit to the S.C. Department of Health and Environmental Control (DHEC) by September 15 of each year the following information:

- reports detailing their recycling programs; and
- lists of products purchased that contain recycled material.

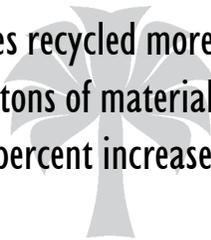
The Act requires DHEC to summarize this data and submit a report to the Governor and General Assembly by November 1 of each year. As part of the report, DHEC is required to determine the percentage of state purchases that contain recycled material. Since no statewide system is in place to track the purchase of recycled-content products, this percentage cannot be reported.

DHEC’s Office of Solid Waste Reduction and Recycling is responsible for compiling and reviewing the data

submitted by state agencies and state-supported colleges/universities and publishing the “State Agencies & Colleges/Universities Recycling & Buying Recycled Annual Report.”

This section is a condensed version of the report and provides information for fiscal year (FY) 2012 reflecting recycling and buying recycled activities from July 1, 2011 to June 30, 2012. (To see the complete report, visit [www.scdhec.gov/recycle](http://www.scdhec.gov/recycle) and select “Solid Waste Annual Reports” in the left navigation bar.)

**State agencies recycled more than 10,200 tons of material in FY12, a 6 percent increase from FY11.**



Data regarding the amount of material recycled was received either directly from the state agency or college/university that completed the survey provided by DHEC or from vendors providing recycling services. Both public and private colleges/universities are included in this section although only state-supported colleges/universities are required to provide information. Overall, 74 state agencies and 27 colleges/universities provided data for this report.

In FY12, 19,334 tons of material was recycled by state agencies and colleges/universities – a decrease of about 9 percent from the 21,164 tons recycled in FY11. The recycled-content products purchased most frequently by state agencies and colleges/universities were office paper and inkjet/toner cartridges.

Overall, state agencies reported recycling 10,218 tons of material in FY12 – about a 6 percent increase from the 9,635 tons of material recycled the previous FY. More information is provided on the following pages.

Colleges/universities reported recycling about 9,117 tons of material – a 21 percent decrease from the 11,529 tons of material recycled the previous FY. More information is provided on the following pages.

# RECYCLING DATA: State Agencies

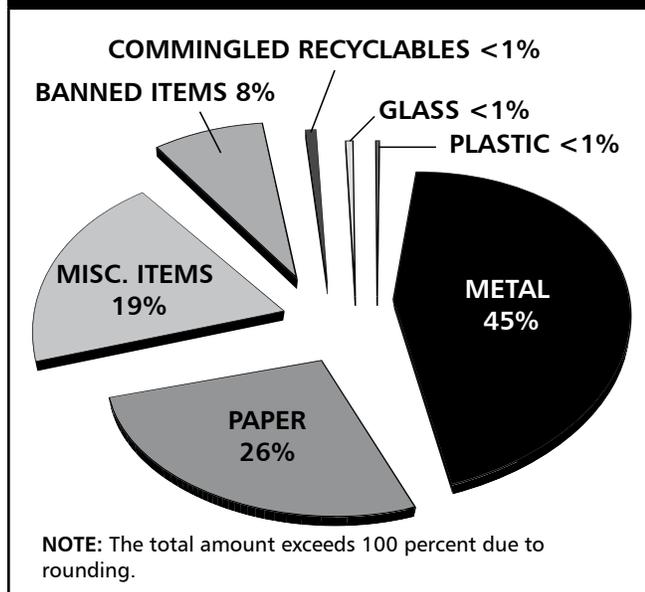
Seventy-four state agencies and other governmental bodies recycled 10,218 tons of material in FY12 – about a 6 percent increase from the 9,635 tons recycled in FY11. Of that, the top commodity recycled was metal (e.g., aluminum, ferrous metals, steel cans) followed by paper (e.g., cardboard, office paper, newspaper, books).

When it comes to buying recycled-content products, 49 agencies and governmental bodies reported purchasing recycled-content paper. In addition, 33 reported buying recycled-content inkjet/toner cartridges.



State agencies recycled more than 2,600 tons of paper in FY12. Metal was the top commodity recycled, though, with more than 4,600 tons collected.

**CHART 6.1: Commodities Recycled as a Percentage of All Material Recycled by State Agencies**



## State Agencies Reporting for FY12

- Administrative Law Court
- Arts Commission
- Attorney General
- Budget and Control Board
- Commission for the Blind
- Commission for Minority Affairs
- 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 Disabilities and Special Needs
- Department of Education
- Department of Employment and Workforce
- 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 Revenue
- Department of Social Services
- Department of Transportation
- Education Lottery Commission
- Education Oversight Committee
- Educational Television Network
- Emergency Management Division
- Ethics Commission
- First Steps
- Forestry Commission
- Governor's Mansion
- Governor's School for the Arts and Humanities
- Governor's School for Science and Mathematics
- Higher Education Tuition Grants Commission
- House of Representatives
- Human Affairs Commission
- Jobs-Economic Development Authority
- Judicial Department
- Legislative Audit Council
- Legislative Council
- Legislative Printing, Information and Technology Systems
- Office of the Adjutant General
- Office of the Governor
- Office of the Lt. Governor
- Office of Regulatory Staff
- Office of the State Auditor
- Office of the State Treasurer
- Patriots Point Development Authority
- Public Service Commission
- Santee Cooper
- School for the Deaf and Blind
- Sea Grant Consortium
- Secretary of State
- Senate
- State Accident Fund
- State Board of Technical and Comprehensive Education
- State Housing Finance and Development Authority
- State Law Enforcement Division
- State Library
- State Museum
- State Ports Authority
- Vocational Rehabilitation Department
- Wil Lou Gray Opportunity School
- Workers' Compensation Commission

<b>TABLE 6.2: Commodities Recycled in Tons by State Agencies</b>		
<b>COMMODITIES RECYCLED</b>		<b>AMOUNT (tons)</b>
<b>BANNED ITEMS</b>	Appliances	3.49
	Electronics	191.04
	Lead-acid batteries	35.52
	Tires	164.54
	Used motor oil	453.28
	Yard trimmings	8.05
<b>TOTAL BANNED ITEMS</b>		<b>855.92</b>
<b>COMMINGLED RECYCLABLES</b>	May include: aluminum cans; cardboard; paper; and/or plastic	54.59
<b>TOTAL COMMINGLED RECYCLABLES</b>		<b>54.59</b>
<b>GLASS (Containers &amp; Packaging)</b>	Brown	1.03
	Clear	1.34
	Green	0.74
	Other/mixed glass	10.19
<b>TOTAL GLASS</b>		<b>13.30</b>
<b>METAL</b>	Aluminium (cans, foil)	162.39
	Ferrous metals	806.12
	Steel cans	199.45
	Other/mixed metal	3,433.96
<b>TOTAL METAL</b>		<b>4,601.92</b>
<b>PAPER</b>	Books	37.86
	Cardboard	733.87
	Magazines	67.52
	Newspapers and inserts	10.12
	Office paper	1,369.47
	Paperboard	3.40
	Phone books	18.52
	Other/mixed paper	387.91
<b>TOTAL PAPER</b>		<b>2,628.67</b>
<b>PLASTIC</b>	HDPE	5.73
	LDPE	0.02
	PET	2.26
	Vinyl	0.27
	Other/mixed plastic	88.75
<b>TOTAL PLASTIC</b>		<b>97.03</b>
<b>MISCELLANEOUS ITEMS</b>	Antifreeze	21.42
	Carpet	0.50
	Clothing/textiles	72.69
	Construction & demolition debris	592.06
	Cooking oil	7.47
	Fluorescent bulbs	53.73
	Food scraps	0.06
	Inkjet/toner cartridges	15.61
	Paint (oil or latex)	0.37
	Rechargeable batteries	5.25
	Used oil filters	28.04
	Wood*	1,096.71
	Other**	72.24
	<b>TOTAL MISCELLANEOUS ITEMS</b>	
<b>TOTAL FOR ALL</b>		<b>10,217.58</b>



## SCDC plays key role in recycling collection.

The S.C. Department of Corrections (SCDC) offers recycling collection services for state agencies as well as state-supported colleges/universities throughout South Carolina.

In FY12, SCDC collected a wide range of recyclables – including traditional items as well as athletic shoes, books and textiles – from more than 40 state agencies and state government facilities in the Columbia area.

There is a fee for this service – which also includes assistance with annual reporting requirements. Participating programs may need to provide recycling containers.

Participants will see a significant reduction in the amount of material going to the landfill and as such may be able to reduce disposal costs.



# RECYCLING DATA: Colleges/Universities

Twenty-seven colleges/universities reported recycling about 9,117 tons of material in FY12 – about a 21 percent decrease from the 11,529 tons recycled in FY11.

One of the reasons for this decrease was a significant drop – more than 2,500 tons – in the amount of construction and demolition (C&D) debris recycled from the previous FY. Excluding C&D debris, the total amount of recycling increased about 175 tons from the previous FY.

It is important to note that there also are several additional colleges/universities that have recycling programs, but, for a variety of reasons, can not determine weights and did not report.

Paper was the most recycled commodity followed by miscellaneous items (mostly C&D debris).

When it comes to buying recycled-content products, 20 colleges/universities reported purchasing recycled-content copy paper, followed by 17 schools purchasing recycled-content inkjet/toner cartridges.

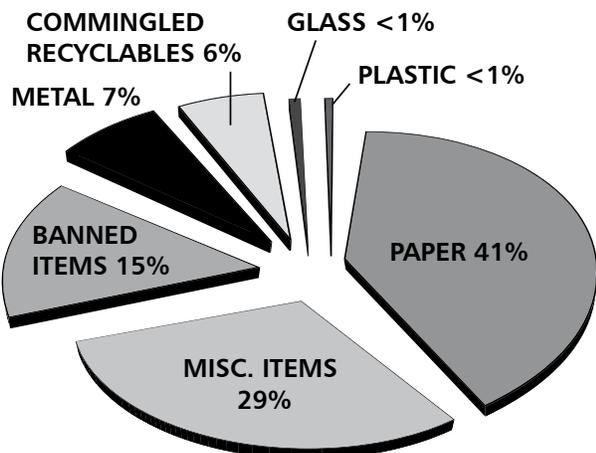
*USC's mascot "Cocky" helps promote recycling across campus.*



## Colleges/Universities Reporting for FY12

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

**CHART 6.3: Commodities Recycled as a Percentage of All Material Recycled by Colleges/Universities**



NOTE: The total amount exceeds 100 percent due to rounding.

<b>TABLE 6.4: Commodities Recycled in Tons by Colleges/Universities</b>		
<b>COMMODITIES RECYCLED</b>		<b>AMOUNT (tons)</b>
<b>BANNED ITEMS</b>	Appliances	13.26
	Electronics	259.64
	Lead-acid batteries	12.68
	Tires	13.27
	Used motor oil	26.57
	Yard trimmings	1,042.82
<b>TOTAL BANNED ITEMS</b>		<b>1,368.24</b>
<b>COMMINGLED RECYCLABLES</b>	May include: aluminum cans; cardboard; glass; paper; and/or plastic	565.87
<b>TOTAL COMMINGLED RECYCLABLES</b>		<b>565.87</b>
<b>GLASS (Containers &amp; Packaging)</b>	Brown	0.10
	Clear	4.25
	Green	0.10
	Other/mixed glass	28.04
<b>TOTAL GLASS</b>		<b>32.49</b>
<b>METAL</b>	Aluminium (cans, foil)	46.48
	Ferrous metals	193.69
	Steel cans	55.72
	Other/mixed metal	375.80
<b>TOTAL METAL</b>		<b>671.69</b>
<b>PAPER</b>	Books	92.79
	Cardboard	1,194.14
	Magazines	7.95
	Newspapers and inserts	6.30
	Office paper	989.46
	Paperboard	0.65
	Phone books	3.11
	Other/mixed paper	1,426.93
<b>TOTAL PAPER</b>		<b>3,721.33</b>
<b>PLASTIC</b>	HDPE	1.22
	LDPE	2.50
	PET	12.03
	Vinyl	0.10
	Other/mixed plastic	67.79
<b>TOTAL PLASTIC</b>		<b>83.64</b>
<b>MISCELLANEOUS ITEMS</b>	Antifreeze	1.13
	Carpet	3.56
	* Wood includes furniture, cabinets and pallets.	0.10
	Construction & demolition debris	2,206.43
	** Other includes ballasts, compact fluorescent bulbs, medical products, radiology film, high-intensity discharge lamps, VHS tapes.	89.29
	Cooking oil	25.95
	Fluorescent bulbs	61.50
	Food scraps	12.70
	Inkjet/toner cartridges	5.42
	Paint (oil or latex)	3.39
	Rechargeable batteries	1.26
	Used oil filters	252.07
Wood*	10.46	
Other**		
<b>TOTAL MISCELLANEOUS ITEMS</b>		<b>2,673.26</b>
<b>TOTAL FOR ALL</b>		<b>9,116.52</b>

## Waste Reduction Efforts on Campus ...

Many college/university campuses have begun programs to encourage the reuse of unwanted material, especially at the end of the semester when students are moving out of campus housing.

These programs give students an opportunity to donate various items including:

- clothing;
- food;
- furniture;
- appliances;
- books;
- hangers; and
- electronics.

In some cases, the items are held over until the start of the next semester when students can use the items again. For example, bicycles that are collected may be repaired and used by incoming students.

Although some of these waste reduction programs have been in place for a few years, this is the first year the amount of material reused by college/university programs was measured. In FY12, **2,043 tons** were reported as being reused.