

Recycling: State Agencies & Colleges/Universities

SECTION

7

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;
- **Make necessary modifications to their programs to ensure material is recycled to the maximum extent possible;** and
- **Report the type and amount of material recycled as well as information on the purchase of recycled-content products** by September 15 of each year to the S.C. Department of Health and Environmental Control (DHEC).

DHEC is required to submit a report on this information to the governor and General Assembly by November 1 of each year.

This section is a condensed version of the report and reflects recycling and buying recycled activities for fiscal year (FY) 2015 (July 1, 2014 to June 30, 2015). To view the full report, visit www.scdhec.gov/recycle and select “Data and Reports.”

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 report although only state-supported colleges/universities are required by the Act to provide information.

In FY15, state agencies and colleges/universities recycled more than 23,627 tons of material – an increase of about 19 percent from the 19,771 tons recycled in FY14. This data was compiled from the information reported by 74 state agencies and 39 colleges/universities.

Overall, state agencies reported recycling 9,302 tons of material in FY15 – about a 5 percent decrease from the 9,790 tons recycled the previous FY. Paper was the most recycled commodity followed by construction and demolition (C&D) debris.

Colleges/universities reported recycling about 14,325 tons of material – a 43 percent increase from the 9,980 tons recycled the previous FY. C&D debris was the most recycled commodity followed by paper. In FY15, colleges/universities recycled more than 3,800 tons of C&D debris – an increase of 335 percent from the previous FY.

The percentage of state purchases that contain recycled material cannot be determined because no statewide system to track those purchases exists. The recycled-content products purchased most frequently by state agencies and colleges/universities were office paper and inkjet/toner cartridges.

Clemson is national champion of KAB's GameDay Recycling Challenge

Clemson University is No. 1 in recycling. The Tigers topped more than 90 colleges/universities to win Keep America Beautiful's (KAB) 2014 GameDay Recycling Challenge by collecting 60,274 pounds of recyclables during their home football game against the University of South Carolina.

The winning effort included placing recycling bins and bag dispensers within the three-square mile tailgating area and providing more than 2,000 recycling bags to tailgaters.

KAB recognized Clemson for its winning efforts in February 2015 at a Tigers' basketball game. In addition to the total recycling category, Clemson also finished 14th nationally in the waste diversion competition with a 63.4 percent diversion rate. Other South Carolina rankings in this category included: Coastal Carolina at No. 19 with a 53.5 percent diversion rate, The Citadel at No. 20 (51.3 percent) and the University of South Carolina at No. 32 (34.6 percent).



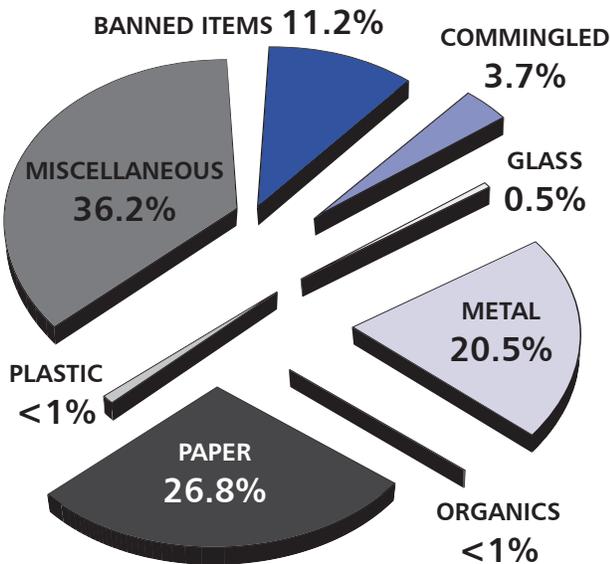
Recycling by State Agencies

Overall, state agencies reported recycling 9,302 tons of material – a decrease of about 5 percent from FY14. Compared to the previous FY, more material was recycled single-stream, explaining a decrease in paper and plastic. In addition, more metal and glass were recycled than in FY14. The largest contribution to the decrease in recycling was wood, C&D debris and organics.

Seventy-four state agencies reported recycling and buying recycled data for FY15 with 24 agencies reporting an increase in their total recycling compared with FY14.

For a complete list of state agencies reporting for FY15, see the last page of this section.

CHART 7.1: Percentage of Recyclables Collected by State Agencies



NOTE: Percentages do not add up to 100 percent due to rounding of numbers.

The Green Government Initiative assists state agencies in meeting the requirements of the S.C. Solid Waste Policy and Management Act of 1991 and helps South Carolina meet its goal of recycling 40 percent of its waste by 2020. The goal of this program is to encourage state agencies to lead by example to reduce their environmental footprint and increase the state's impact on recycling markets.



TABLE 7.2: Commodities Recycled in Tons by State Agencies

COMMODITIES RECYCLED		AMOUNT
Banned Items	Appliances	22.90
	Electronics	87.12
	Lead-acid batteries	31.85
	Tires	84.92
	Used motor oil	815.02
TOTAL BANNED ITEMS		1,041.81
Commingled Recyclables	May include: aluminum cans; cardboard; paper; and/or plastic	342.88
TOTAL COMMINGLED RECYCLABLES		342.88
Glass (Containers & Packaging)	Brown	1.05
	Clear	1.64
	Green	0.36
	Other/mixed glass	46.57
TOTAL GLASS		49.62
Metal	Aluminium (cans, foil)	75.55
	Ferrous metals	1,166.49
	Steel cans	204.93
	Other/mixed metal	463.87
TOTAL METAL		1,910.84
Organics	Food waste (composted)	1.35
	Yard trimmings (composted)	0.04
	Yard trimmings (mulched)	3.70
TOTAL ORGANICS		5.09
Paper	Books	10.93
	Cardboard	796.21
	Magazines	51.05
	Newspapers and inserts	9.72
	Office paper	960.33
	Paperboard	42.14
	Phone books	8.80
Other/mixed paper	616.39	
TOTAL PAPER		2,495.57
Plastic	HDPE	10.79
	LDPE	0.03
	PET	1.83
	Vinyl	0.62
	Other/mixed plastic	76.46
TOTAL PLASTIC		89.73
Miscellaneous Items	Antifreeze	10.74
	Carpet	0.33
	Carpet padding	0.50
	Clothing/textiles	83.16
	C&D debris	2,055.84
	Cooking oil	1.93
	Fluorescent bulbs	5.05
	Inkjet/toner cartridges	9.58
	Paint (oil or latex)	8.31
	Rechargeable batteries	5.78
	Used oil filters	33.12
	Wood*	527.94
	Other**	625.08
	TOTAL MISCELLANEOUS ITEMS	
TOTAL FOR ALL		9,302.90

NOTE: C&D debris is not included in the state's MSW recycling rate.

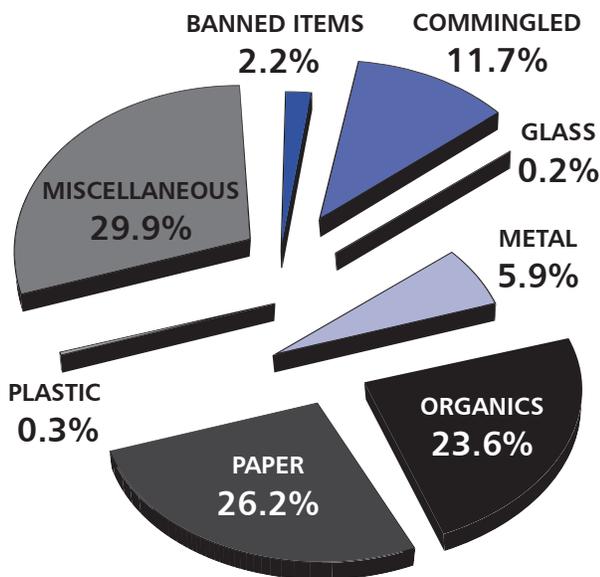
Recycling by Colleges/Universities

Overall, colleges and universities reported recycling 14,325 tons of material – an increase of about 43 percent from the previous fiscal year. Compared to the past fiscal year, single stream recycling more than doubled – explaining a decrease in paper, plastic and metal. In addition, glass, wood and banned items also increased. The largest contributions to the increase were C&D debris and organics.

Thirty-nine colleges and universities reported recycling and buying recycled data for FY15 with eighteen colleges/universities reporting an increase in their total recycling compared to FY14.

For a complete list of colleges and universities reporting for FY15, see the last page of this section.

CHART 7.3: Percentage of Recyclables Collected by Colleges/Universities



NOTE: Percentages do not add up to 100 percent due to rounding of numbers.

RecycleU is a comprehensive program that provides technical assistance, best management practices and outreach material to South Carolina colleges and universities in order to improve waste reduction, recycling and composting programs on campus.



TABLE 7.4: Commodities Recycled in Tons by Colleges/Universities

COMMODITIES RECYCLED		AMOUNT (tons)
Banned Items	Appliances	24.36
	Electronics	214.72
	Lead-acid batteries	20.11
	Tires	26.53
	Used motor oil	29.24
TOTAL BANNED ITEMS		314.96
Commingled Recyclables	May include: aluminum cans; cardboard; paper; and/or plastic	1,674.07
TOTAL COMMINGLED RECYCLABLES		1,674.07
Glass (Containers & Packaging)	Brown	0.01
	Clear	2.60
	Other/mixed glass	28.30
TOTAL GLASS		30.91
Metal	Aluminium (cans, foil)	8.44
	Ferrous metals	220.04
	Steel cans	7.65
	Other/mixed metal	607.91
TOTAL METAL		844.04
Organics	Food waste (composted)	1,089.27
	Yard trimmings (composted)	508.17
	Yard trimmings (mulched)	1,782.23
TOTAL ORGANICS		3,379.67
Paper	Books	11.76
	Cardboard	1,582.42
	Magazines	8.02
	Newspapers and inserts	3.23
	Office paper	559.51
	Paperboard	0.11
	Phone books	1.42
	Other/mixed paper	1,587.91
TOTAL PAPER		3,754.38
Plastic	HDPE	3.88
	LDPE	2.10
	PET	0.91
	Other/mixed plastic	30.71
TOTAL PLASTIC		37.60
Miscellaneous Items	Antifreeze	3.91
	Carpet	2.60
	Carpet padding	0.20
	Clothing/textiles	0.13
	C&D debris	3,864.78
	Cooking oil	115.33
	Fluorescent bulbs	30.40
	Inkjet/toner cartridges	13.98
	Mattresses & box springs	2.77
	Paint (oil or latex)	7.94
	Rechargeable batteries	4.02
	Used oil filters	1.89
	Wood*	213.93
	Other**	28.15
	TOTAL MISCELLANEOUS ITEMS	
TOTAL FOR ALL		14,325.66

NOTE: C&D debris is not included in the state's MSW recycling rate.

State Agencies Reporting for FY15

- Administrative Law Court
- Arts Commission
- Attorney General's Office
- Budget & Control Board – Internal Operations
- Capitol Complex
- Commission for Minority Affairs
- Commission for the Blind
- Commission on Higher Education
- Commission on Indigent Defense
- Commission on Prosecution Coordination
- Comptroller General's Office
- Court Administration
- Criminal Justice Academy
- Department of Administration
- Department of Administration – Surplus Property Office
- Department of Agriculture
- 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 Human Services
- Department of Health and Environmental Control
- 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
- Education Oversight Committee
- Emergency Management Division
- First Steps
- Forestry Commission
- Governor's Mansion
- Governor's School for Arts and Humanities
- Governor's School for Science and Math
- Higher Education Tuition Grants Commission
- Human Affairs Commission
- Legislative Audit Council
- Legislative Printing, Information and Technology Systems
- Lieutenant Governor's Office
- Office of Regulatory Staff
- Office of the State Auditor
- Patriots Point Development Authority
- Public Employee Benefit Authority
- Public Service Commission of South Carolina
- Revenue and Fiscal Affairs Office
- Santee Cooper
- SCETV
- School for the Deaf and Blind
- Sea Grant Consortium
- Secretary Of State
- SLED
- South Trust Building
- State Accident Fund
- State Budget and Control Board
- State Ethics Commission
- State Fiscal Accountability Authority – Division of Procurement Services
- State Fiscal Accountability Authority/ Insurance Reserve Fund
- State Housing Finance and Development Authority
- State Information Technology
- State Library
- State Museum Commission
- Technical College System
- State Library
- State Museum Commission
- Technical College System
- Vocational Rehabilitation Department
- Wil Lou Gray Opportunity School
- Workers' Compensation Commission

Colleges/Universities Reporting for FY15

- Aiken Technical College
- Bob Jones University
- Central Carolina Technical College
- Centura College
- Charleston Southern University
- Claflin University
- Clemson University
- Coastal Carolina University
- College Of Charleston
- Columbia International University
- Florence Darlington Technical College
- Francis Marion University
- Furman University
- Greenville Technical College
- Horry-Georgetown Technical College
- Medical University of South Carolina
- Midlands Technical College
- Newberry College
- Northeastern Technical College
- Orangeburg-Calhoun Technical College
- Piedmont Technical College
- Presbyterian College
- South Carolina State University
- Southern Wesleyan University
- Spartanburg Community College
- Technical College of the Lowcountry
- The Citadel
- Trident Technical College
- University of South Carolina (USC)
- USC Aiken
- USC Beaufort
- USC Lancaster
- USC School of Medicine
- USC Sumter
- USC Upstate
- Williamsburg Technical College
- Winthrop University
- Wofford College
- York Technical College