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**SOUTH CAROLINA**

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# **SOLID WASTE MANAGEMENT**

**Annual Report ■ FISCAL YEAR 2005**



Compiled by the  
**S.C. Department of Health and Environmental Control's  
Division of Mining and Solid Waste Management**

# INTRODUCTION

The S.C. Solid Waste Policy and Management Act of 1991 (Act) revised nearly all aspects of the state’s approach to solid waste management. The Act, for example, sets statewide recycling and disposal goals. The Act requires the state as well as regions and counties to develop solid waste management plans. The Act calls for each county to report annually to the S.C. Department of Health and Environmental Control (DHEC) the amount of municipal solid waste (MSW) it recycles. The Act also requires DHEC to publish an annual comprehensive report – based in part on the required information that counties provide – on solid waste management in the state for the previous fiscal year (FY). The S.C. Solid Waste Management Annual Report must be submitted to the Governor and General Assembly by March 15 each year. The report is required – at a minimum – to include:

- an overview of the amount and/or composition of waste that is recycled, disposed of and incinerated;
- the progress of the state and each county toward meeting the state’s recycling and disposal goals;
- revisions to the state solid waste management plan; and
- recommendations to the Governor and General Assembly for improving solid waste management.

In addition to providing an overview of the state’s management of its solid waste, this annual report helps recycling coordinators and solid waste planners to better understand and anticipate the amount of waste disposed of in their community or region, measure the effectiveness of their recycling programs and facilities that manage the waste as well as determine future needs.

This report – which reflects solid waste management activities for FY05 (July 1, 2004 to June 30, 2005) – provides information on all types of solid waste, but primarily MSW because that is how recycling and disposal efforts are measured in South Carolina. (For a definition of MSW, see page 5.) Counties and permitted solid waste facilities (except for private, on-site industrial landfills) provide the information used to compile this report. Counties are required to provide recycling information and solid waste facilities are required to report disposal information for the previous FY to DHEC annually.

This year’s report has been expanded to include several new tables and charts (see Disposal Data beginning on page 53) to assist counties and regions in making decisions on their solid waste plans. In addition, more information on other types of solid waste has been presented including construction and demolition debris and industrial solid waste.

Proper solid waste management is critical in protecting South Carolina’s environment and human health. The recycling component of solid waste management enhances that mission as well as plays an important role in the state’s economy.

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## About this Report...

“The South Carolina Solid Waste Management Annual Report” for FY05 is published by DHEC’s Division of Mining and Solid Waste Management.

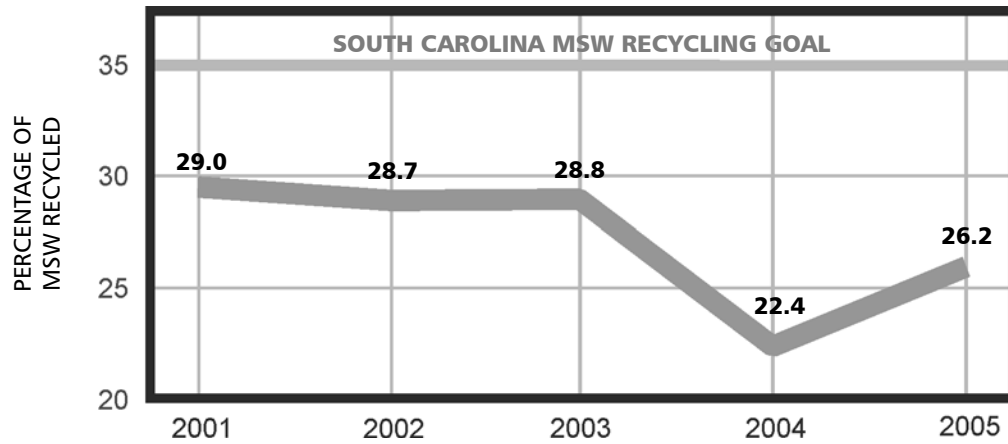
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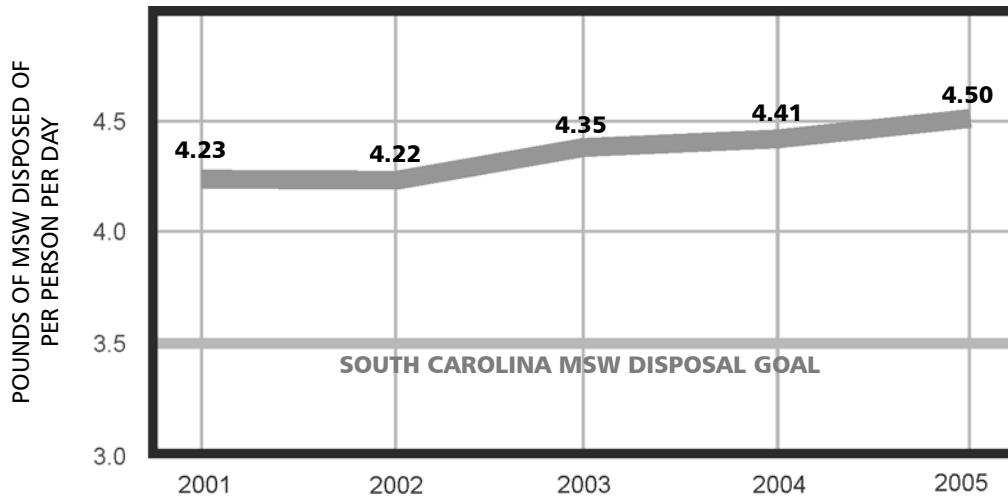
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**CHART 1.1: South Carolina's MSW Recycling Rate, FY01 to FY05**



**CHART 1.2: MSW Disposed of Per Person Per Day, FY01 to FY05**



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# S.C. STATISTICS

FISCAL YEAR (FY) 2005: JULY 1, 2004 – JUNE 30, 2005

S.C. Population<sup>1</sup> ..... 4,198,068  
 Number of Counties in South Carolina ..... 46

## MUNICIPAL SOLID WASTE (MSW)<sup>2</sup> MANAGEMENT

RECYCLED ..... 1,222,098 tons  
 DISPOSED OF IN MSW FACILITIES  
     Landfills ..... 3,219,645 tons  
     Incinerator ..... 227,031 tons  
**TOTAL** ..... **4,668,774 TONS<sup>3</sup>**

### MSW RECYCLED

| COMMODITY                              | AMOUNT COLLECTED      |
|--|-----------------------|
| Glass .....                            | 10,406 tons           |
| Metal.....                             | 284,874 tons          |
| Paper.....                             | 397,751 tons          |
| Plastic.....                           | 20,725 tons           |
| Banned Items <sup>4</sup> .....        | 439,217 tons          |
| Miscellaneous Items <sup>5</sup> ..... | 69,125 tons           |
| <b>TOTAL</b> .....                     | <b>1,222,098 TONS</b> |

**CHART 1.3: South Carolina's MSW Recycling & Disposal Goals & Rates**

|                |  |
|----------------|--|
| RECYCLING GOAL | 35 percent of MSW by FY05              |
| RECYCLING RATE | 26.2 percent for FY05                  |
| DISPOSAL GOAL  | 3.5 pounds per person per day by FY05  |
| DISPOSAL RATE  | 4.5 pounds per person per day for FY05 |

- Population data is needed in order to determine recycling and disposal rates for the state. The latest figures for county and state population come from the S.C. Budget & Control Board, 2004 estimates.
- South Carolina's definition of MSW is the combined residential, commercial, institutional/non-profit and industrial packaging/office waste generated. This includes paper, cans, bottles, food scraps, yard trimmings, packaging and other items.
- This amount includes 134,446 tons of MSW that was generated in South Carolina but exported, and more importantly, does not include 1,528,099 tons of solid waste that was imported for disposal in S.C. MSW landfills.
- Banned items include the following: appliances; lead-acid batteries; tires; used motor oil from do-it-yourself oil changers; and yard trimmings.
- Miscellaneous items include: antifreeze; consumer electronics; cooking oil; fluorescent bulbs; food scraps (post-consumer only); household hazardous materials; paint; rechargeable batteries; textiles; used oil filters; wood packaging; other wood (such as furniture and cabinets); and other non-packaging products.



# OVERVIEW

This report, which is required by the S.C. Solid Waste Policy and Management Act of 1991 (Act), provides an overview of the amount of municipal solid waste (MSW) recycled and disposed of in South Carolina for fiscal year (FY) 2005.

The Act established a comprehensive approach to managing solid waste. The Act, for example, sets recycling and disposal goals, requires the development of a state solid waste plan as well as county plans, and provides advanced recycling fees on a number of items to fund all of the S.C. Department of Health and Environmental Control's (DHEC) solid waste programs – including all grant programs.

The Act also created DHEC's Office of Solid Waste Reduction and Recycling (Office) to provide technical assistance, education and outreach programs and grant funding to local governments, schools as well as colleges and universities. Grant programs include solid waste, used motor oil, waste tire, college and university as well as school mini-grants. Since the grant program began in FY94, nearly \$42.2 million have been awarded including about \$2.4 million in FY05.

In addition, the Act created the Recycling Market Development Advisory Council (RMDAC). DHEC funds the staff and activities of RMDAC. The mission of RMDAC is to assist in the development of markets in

South Carolina for recovered materials and products with recycled content.

The Act also requires county governments to report annually to DHEC the amount of MSW recycled within their county. Permitted solid waste facilities also are required to report the amount of waste disposed of at their facilities annually to DHEC.

The Act originally set a state recycling goal of 25 percent and a goal of reducing by 30 percent the amount of solid waste disposed of at MSW landfills and incinerators. Both rates were calculated by weight. Both were measured from the **total** amount of waste generated. Both were measured from a baseline of FY93 and were to be met by FY97. Both goals were met in FY96.

The Act was amended in October 2000 to reflect new state recycling and disposal goals. The recycling goal was changed to 35 percent of the MSW stream. The disposal goal was changed to 3.5 pounds of MSW per person per day. Both of these goals were to be met by June 30, 2005. The amendment also redefined what could be counted as MSW by adopting the U.S. Environmental Protection Agency's (U.S. EPA) definition with two exceptions – tire derived fuel and used motor oil generated by do-it-yourselfers. South Carolina includes those commodities when calculating its recycling rate while the U.S. EPA does not.

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## WHAT IS THE DEFINITION OF MSW?

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MSW has numerous definitions – which result in making it difficult, if not impossible – to compare recycling rates and disposal numbers between states.

South Carolina adopted the U.S. EPA definition in 2000 with the hope that other states would follow suit and comparisons could be made. It appears that South Carolina and Pennsylvania are the only states using the U.S. EPA definition. Given that, South Carolina has one of the most stringent definitions of MSW. For example, some states include construction and demolition (C&D) debris as well as industrial solid waste when measuring their recycling effort

– thereby increasing their overall recycling rate. South Carolina does not.

South Carolina's definition of MSW is the combined residential, commercial, institutional/non-profit and industrial packaging/office waste generated. This includes paper, cans, bottles, food scraps, yard trimmings, packaging and other items. It does not include industrial process waste like scraps and by-products from the manufacturing process, C&D debris, automobile bodies, agricultural waste, combustion ash, mining waste and sewage sludge as well as hazardous, infectious and radioactive waste.

# HOW MUCH **MSW WAS RECYCLED?**

More than 4.6 million tons of MSW was generated in South Carolina in FY05 – a seven percent increase from the previous FY. Of that amount:

- 1,222,098 tons, or 26.2 percent, was recycled. By comparison, 965,916 tons or about 22.4 percent was recycled in FY04.
- 227,031 tons, or 4.9 percent, was disposed of at a waste-to-energy facility (incinerator) in Charleston County; and
- 3,219,645 tons, or 68.9 percent, was disposed of at MSW landfills.

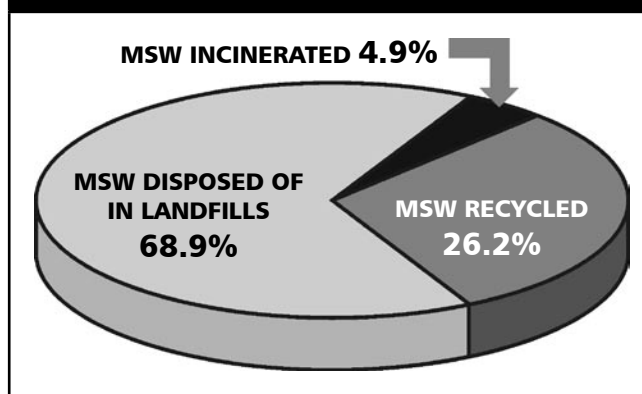
This rate also can be converted to pounds per person per day (p/p/d). In other words, South Carolinians recycled 1.6 p/p/d, which is above the national average according to the latest figures provided by the U.S. EPA. (See “More to Know” at the bottom of this page.)

The amount of MSW disposed of increased slightly from 4.4 p/p/d in FY04 to 4.5 p/p/d in FY05. This rate has changed little in the past five years and remains above the state’s disposal goal of 3.5 p/p/d.

South Carolina saw a significant increase in both the recycling rate and actual tonnages recycled for FY05. Several factors contributed to this increase.

In response to requests from recycling coordinators, a simplified business reporting form was created to better capture recycling efforts from commercial and industrial sources. In fact, several changes were made to the reporting packet that was mailed to recycling coordinators to reduce errors and solicit better responses. These changes were successful.

**CHART 2.1: MSW Management in South Carolina**



For the first time, there was improved collection of data from other sources at the state level, allowing for the inclusion of tonnages from tire processors, composting facilities, the state’s electronic waste contractor and state agencies and colleges/universities.

In addition – another first – used motor oil generated and recycled by do-it-yourselfers was

included in the measured recycling rate. These new sources added 95,000 tons of MSW – never previously reported – to the state’s effort.

Despite the considerable increase in the amount of material recycled, there still is much to do. The preservation of landfill capacity for future use through recycling efforts will only go so far. Instead, residents need to throw away less, make better choices when shopping, purchase products with little to no packaging or if there is packaging, make sure it can be recycled in their local program.

And while South Carolina has hundreds of drop-off sites as well as an increasing number of curbside programs, there also need to be other ways for people to recycle. For example, businesses are encouraged to provide employees the opportunity to recycle some of the most commonly generated workplace materials: office paper; cardboard; and plastic and aluminum beverage containers.

Despite additional sources of data and increased tonnages collected, under-reporting remains a significant issue. As was noted in last year’s report, there are a handful of counties that do not solicit recycling information from area businesses. Until every effort is accounted for, there always will be more recycling taking place than what is reported each year.

**MORE TO KNOW:** According to the “Municipal Solid Waste Generation, Recycling and Disposal in the United States: Facts and Figures for 2003,” published by the U.S. EPA, the individual MSW generation rate has remained relatively constant since the 1990s at 4.5 p/p/d. The national recycling rate, which does not include composting, is slightly more than 1 p/p/d. Composting accounts for about .5 p/p/d. After recycling and composting, the U.S. EPA estimates that the nation discards about 3 p/p/d.

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## HOW MUCH **TOTAL SOLID WASTE WAS RECYCLED?**

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While South Carolina narrowly defines what can be included in its measured recycling rate, it also is worth noting the total amount of solid waste kept out of S.C. landfills. More than 6.3 million tons, or 45 percent of the total solid waste generated, was recycled in FY05. That figure is up from last year's total recycling rate of 41.5 percent. The 6.3 million tons recycled reflects an increase of 26 percent.

Of the 6.3 million tons of total solid waste that were recycled, the majority was process or manufacturing

waste – scraps or by-products – that are put back into the process or taken off site for recycling. Either way, the impact of keeping such material out of landfills is tremendous.

The benefits extend beyond the environment and also include economic gains for the industry. It is often cheaper for industry to recycle than to dispose of materials, thereby impacting the bottom line. In addition, this further extends the life of landfills and avoids having to construct new ones.

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## PREVIOUS YEAR HIGHLIGHTS

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In last year's report, the Office made some general recommendations with specific actions to help the state meet its MSW recycling goal.

While the state fell short of the 35 percent recycling rate and the 3.5 p/p/d disposal goals for FY05, the recycling rate increased by 17 percent while the actual MSW recycling tonnages increased by 27 percent from FY04 to FY05. The increase may be partially related to efforts taken in response to last year's recommendations.

One recommendation was to increase participation in recycling programs through a renewed commitment to education – both at the local and statewide level. Working with local governments, the Office adjusted the grants program to reflect this renewed effort. One new grant was developed to focus on increasing participation through new and improved outreach and education efforts. Specific details of this grant will be resolved in the coming year.

The Office continued to promote and make available its in-house graphic arts design service. Dozens of brochures, newspaper ads and signage were developed for local governments during the past FY. All of this takes place in an effort to educate residents about what recycling services are available and to increase participation.

The Office also developed and implemented "Action in the Classroom" – a hands-on recycling presentation for fifth graders that is available at no cost to schools around the state. Recycling information specific

to the county or city in which the students live is presented during classroom presentations.

One key change the Office made was assigning staff to regions of the state. There are several goals of this effort, but staff primarily serves as liaisons to provide a higher level of customer service and to enhance communication with county and municipal staff. This change also supports another recommendation that the Office made last year – encouraging local governments to have full-time recycling coordinators. An FY05 survey found that recycling coordinators, on average, spent about 16 hours per week on recycling issues – actual responses ranged from one hour to 40 hours per week. Only six counties have full-time personnel to manage their recycling programs. DHEC staff liaisons are in place to assist recycling coordinators when possible.

Last year, DHEC also recommended that research – local or statewide – be completed and shared to address under-participation in many collection programs. DHEC commissioned two studies.

The first study was a research and assessment project that focused on the stagnant beverage container recycling rates in South Carolina. This is a national issue, not one that is unique to South Carolina. As part of the study, collection programs were reviewed, markets analyzed and stakeholders interviewed to determine the status of beverage container recycling – including obstacles to recycling and recommendations made to increase recovery. The report concluded that barriers to recycling more



beverage containers occur in four areas: convenience; economic incentives; education and promotion; and infrastructure.

The second study, conducted by the S.C. Business Recycling Assistance Program in partnership with the U.S. EPA, was a statewide telephone survey to determine business recycling practices and priorities. What businesses are recycling? What are they recycling? How much are they recycling? If they are not recycling, why not? The survey concluded that 84 percent of the businesses recycled at least some material. In addition, the report also outlined that the primary reasons businesses are not recycling include the belief that they do not have enough material, confusion over what materials can be recycled and inconvenience. The recommendations from both studies are being considered in future Office activities.

Last year, DHEC encouraged the establishment of statewide and local disposal bans, specifically for cardboard and glass beverage containers. Similar

bans have been successful in increasing the recovery of cardboard.

While such bans did not go into effect, DHEC modified its solid waste grant program for FY07 so that local governments could apply for funding to assist in establishing the infrastructure (in the event a cardboard ban becomes a future reality) needed to increase the recycling of not only residential cardboard but commercial cardboard as well. This material, which represents nearly one-third of all material generated in the state, is available in high volume, has stable markets and serves as a revenue maker for most programs.

The last recommendation by DHEC encouraged local governments to secure adequate funding for local recycling programs. In an effort to provide counties with additional resources, two speakers presented at the Recycling Coordinator Workshop last fall outlining strategies for obtaining funding from alternative sources including the U.S. EPA and national foundations.

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## RECOMMENDATIONS & PRIORITIES

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As noted in the Introduction, the Office is required to make recommendations to the Governor and General Assembly regarding solid waste management.

DHEC recommends that the S.C. Legislature amend the Act by extending the recycling and disposal goals to June 30, 2012.

Increased participation in local recycling programs, increased revenue from the sale of materials and improved reporting should continue to be top priorities in order to help the state achieve its 35 percent recycling and 3.5 p/p/d disposal goals. In an effort to achieve the state's recycling and disposal goals, the Office will implement projects to support these priorities.

### 1. INCREASED PARTICIPATION

- **Research:** A study will be conducted next year to follow up on the 2001 survey on recycling habits and motivations mentioned in the FY04 report. The earlier data will serve as a baseline for this new study to see how people's recycling habits have changed over the past five years and whether or not more people are participating in local recycling

programs. It also will identify ways that can be used to successfully educate and involve more residents as well as identify barriers to recycling – all in an effort to increase participation.

- **Training:** To continue supporting local staffing issues, the Office provides regional attendant trainings for local governments since these employees are the front line of most recycling programs. Informed attendants are in a position to directly increase public participation in recycling programs. And to further enhance the recycling coordinator and recycling educator positions, a professional certification course (with a strong emphasis on recycling and solid waste issues) will be developed.
- **Outreach:** The Office will identify and work with several local governments to increase participation in their recycling programs. The effort will include developing a direct mail campaign to specific communities, securing neighborhood recycling leaders, setting up competitions and working more closely with other community stakeholders. This effort will

be done in conjunction with the development of a new public service campaign centered on a back to the basics theme that will tell residents what can be recycled, where and who to call for more information.

- 2. INCREASED REVENUE** – To assist local governments in generating more revenue to support their recycling programs, the Office will continue to provide market information.

In addition, the Office will hold a series of marketing workshops around the state.

- 3. IMPROVED REPORTING** – The Office assists local governments to improve the way they collect and report their recycling data. DHEC will continue to streamline reporting forms (including a Web-based data management system) as well as assist counties in collecting data from businesses during the new FY.

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## LEGISLATIVE SUMMARY

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During FY05, there were no changes to the Act. In addition, there were no revisions to the S.C. Solid Waste Management Plan in FY05.

Nationally, several changes were made to the Code of Federal Regulations (CFR) dealing with MSW landfills and used motor oil. Changes made to the Federal Subtitle D Municipal Solid Waste Landfill Criteria, 40CFR Part 258, include:

- 40CFR258.28(C)(1), Subpart C – in the definition for “liquid waste,” the method used to determine if a waste contained “free liquids” was revised to Method 9095B (Paint Filter Liquids Test);
- the list of chemicals in Appendix I, Constituent for Detection Monitoring and Appendix II, List of Hazardous Inorganic and Organic Constituents, was updated; and
- changes were made to the Federal Standards for the Management of Used Oil, 40 CFR Part 279.

In the sections listed below, under “Rebuttable Presumption for Used Oil,” the language “using an analytical method from SW-846, Edition III” was deleted in the example of how to rebut the presumption that used oil containing 1,000 parts per million total halogens is presumed to be a hazardous waste.

- 40CFR279.10(b)(1)(ii) Subpart B – Applicability
- 40CFR279.44(c)(1) Subpart E – Standards for Used Oil Transporters and Transfer Facilities
- 40CFR279.53(c) Subpart F – Standards for Used Oil Processors and Re-refiners
- 40CFR279.63(c) Subpart G – Standards for Used Oil Burners Who Burn Off-Specification Used Oil for Energy Recovery

For more information on this legislation, visit [www.gpoaccess.gov/cfr/retrieve.html](http://www.gpoaccess.gov/cfr/retrieve.html).



# MSW RECYCLING BY COMMODITY

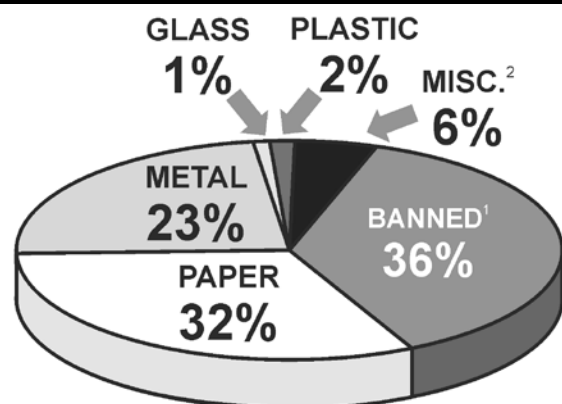
This section highlights the commodities that make up municipal solid waste (MSW) as defined by South Carolina. These commodities also form the basis for many of the state's recycling programs and the amounts collected are used to calculate the state's recycling rate.

For each commodity, a definition and description are given, the recycling tonnages are provided for the past five years and an interpretation of the amount recycled in fiscal year (FY) 2005 is offered. Trend information was taken from the S.C. Recycling Market Development Advisory Council's 2005 Annual Report.

In addition, a chart showing the average price received for each commodity or subgroup in FY05 is provided. Again this year, pricing information was obtained from reports submitted by counties. Between five and 22 counties, depending on the particular commodity, shared information on market prices. Various factors – quantity, quality, location and infrastructure – determine market prices.

Of the six categories that make up MSW (glass, metal, paper, plastic, banned and miscellaneous), four (metal, plastic, banned and miscellaneous) saw an increase in tonnages from FY04.

**CHART 3.1: MSW Recyclables Collected by Percentage\***



1. Banned items include the following: appliances; lead-acid batteries; tires; used motor oil from do-it-yourself oil changers; and yard trimmings.
2. Miscellaneous items include: antifreeze; consumer electronics; cooking oil; fluorescent bulbs; food scraps (post-consumer only); household hazardous materials; paint; textiles; used oil filters; wood packaging; other wood (such as furniture and cabinets); and other non-packaging products.

\*COMMODITIES MEASURED BY WEIGHT



For information about recycling markets for different materials, visit the S.C. Recycling Market Directory at [www.sccommerce.com/searchrecycling.aspx](http://www.sccommerce.com/searchrecycling.aspx) or the "Index of Waste Minimization Resources" at [www.scdhec.gov/eqc/admin/html/wmrindex.html](http://www.scdhec.gov/eqc/admin/html/wmrindex.html).

# COMMODITY: GLASS

Remaining relatively unchanged over the past year, the amount of glass collected for recycling fell from 10,497 tons in FY04 to 10,406 tons in FY05. Nearly 90 percent of the glass collected came from residential programs – both curbside and drop-off.

The slight change in the amount collected can be directly correlated to the reduction in the number of counties reporting glass recycling, dropping from 33 in FY04 to 31 in FY05. This is most likely because not enough material was collected for the county to market and earn fair market value.

In addition, the revenue earned on recycled glass fell slightly for both clear and brown. As noted in chart 3.4, markets for green glass continue to struggle, ranging from no revenue earned to costing counties to recycle. Counties with a large volume of green glass are able to generate limited revenue.

According to *Waste Age* – “Profiles in Garbage” (December 2005), most of the bottles produced in the United States are clear and brown. The remainder are green and a small amount are blue or another

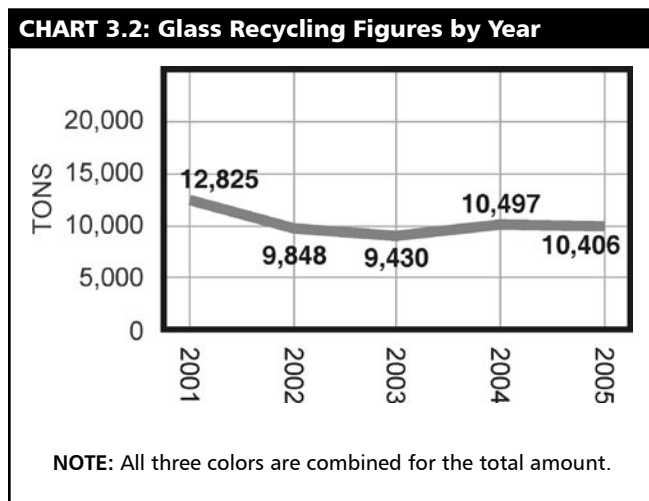
color. Seventy-five percent of the glass containers produced in the United States were beverage with more than half being produced as beer bottles. The rest were food containers. More than 500,000 tons of green glass containers, mostly used for beer and wine, were imported.

This highlights that there are potentially fewer domestic markets for green glass, since most of it comes from overseas. This results in a lesser value than clear or brown because – as noted previously – it is produced primarily in the United States.

Glass collected in South Carolina for recycling is sent to two regional processors – Strategic Materials in Georgia and Container Recycling Group in North Carolina.

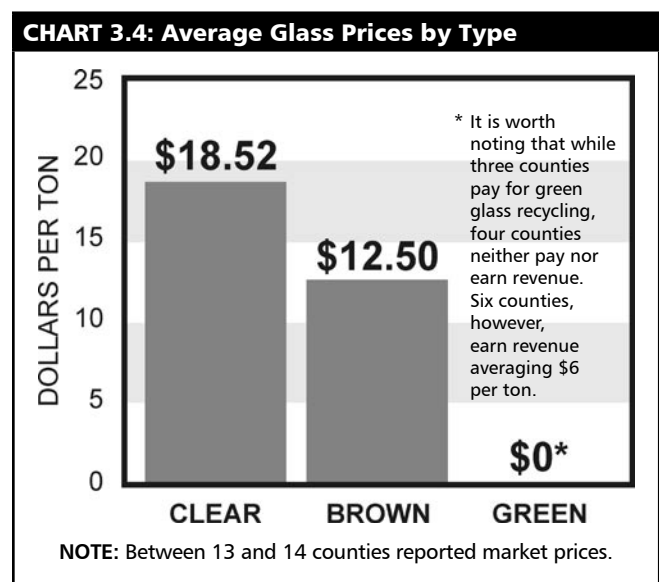
Energy prices are driving glass plants to use more cullet – which is good for market demand – rather than natural resources to make glass.

**DEFINITION:** Glass is defined as containers including bottles and jars for drinks, food, cosmetics and other products. When recycled, container glass usually is separated into colors for conversion into new containers, construction materials or fiberglass insulation. Recycled glass that is crushed also is identified as cullet. This category does not include glass from windows, plates and drinking glasses.



**CHART 3.3: Total Glass Recycled in Tons**

|              | FY05          | FY04          | +/-        |
|--------------|---------------|---------------|------------|
| Brown        | 2,570         | 2,574         | -4         |
| Clear        | 2,877         | 3,081         | -204       |
| Green        | 2,713         | 2,661         | +52        |
| Mixed        | 2,246         | 2,181         | +65        |
| <b>TOTAL</b> | <b>10,406</b> | <b>10,497</b> | <b>-91</b> |



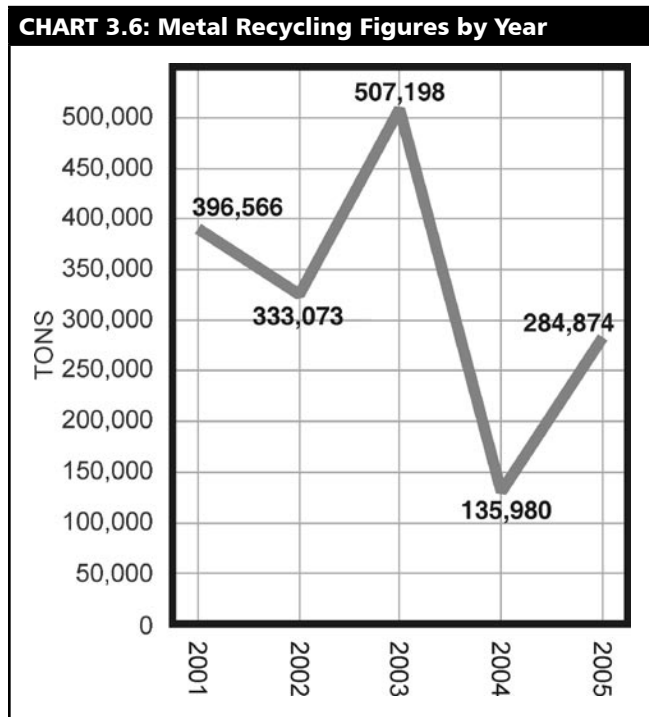
# COMMODITY: METAL

While the number of counties collecting metal for recycling remained the same (45), the amount of material recycled in FY05 climbed 109 percent to 284,874 tons. The increase results primarily from efforts by the counties to solicit recycling information from commercial, institutional and industrial (packaging only) entities.

The types of metals that are considered MSW and can be counted towards the recycling rate include aluminum and steel cans, scrap metal, strapping as well as aerosol cans and aluminum foil and pans. On the other hand, metal from construction and demolition debris activities, automobiles and industrial processing are not counted towards the measured MSW rate but are included in the state's total recycling effort.

**CHART 3.5: Total Metal Recycled in Tons**

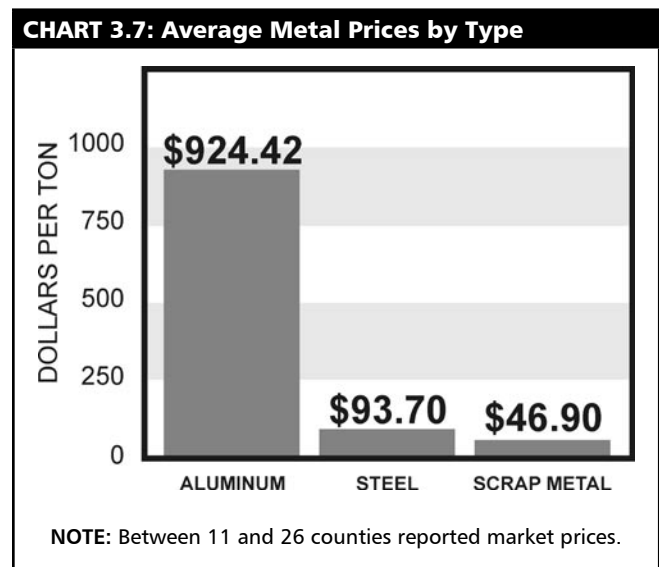
|                   | FY05           | FY04           | +/-             |
|-------------------|----------------|----------------|-----------------|
| Aluminum          | 49,250         | 8,626          | +40,624         |
| Steel             | 3,987          | 11,937         | -7,950          |
| Non-ferrous       | 3,899          | 6,084          | -2,185          |
| Ferrous           | 130,559        | 66,337         | +64,222         |
| Other/Mixed Metal | 97,179         | 42,996         | +54,183         |
| <b>TOTAL</b>      | <b>284,874</b> | <b>135,980</b> | <b>+148,894</b> |



FY05 may not have been the best year for ferrous metal (the title for best ever may always remain with FY04) but it probably rates a strong second as prices for most of the year remained well above historical averages. The demand for scrap remained firm throughout the year and price increases and decreases were predominantly driven by changes in supply. Interest rate hikes, rising energy prices and disruption to shipping channels in the Gulf Coast did not derail growth in the steel sector or even the domestic economy as a whole.

Steel is a versatile commodity that plays a major part in everyday life – it is used in applications ranging from food cans and household containers to automobiles and office buildings. For many years, steel has been one of the most commonly recycled materials in the United States and the world. The steel industry needs scrap to produce new steel, which ensures that all steel products contain from 25 percent to 100 percent recycled content.

**DEFINITIONS:** **Ferrous metal** is magnetic and is derived from iron or steel; products made from ferrous metal include appliances, furniture, containers and packaging like steel drums and barrels. **Non-ferrous metal** is non-magnetic metal such as aluminum, lead and copper. Products made from non-ferrous metal include containers, packaging, furniture, appliances, electronics and aluminum foil.



# COMMODITY: PAPER

Paper recycling fell nearly 14 percent from 460,477 tons in FY04 to 397,751 tons in FY05. The decline can be directly attributed to a couple of factors. First, one large industry – that recycled much of its paper waste in FY04 – closed the same year.

In addition, many counties reported a smaller number of businesses providing them with information on their recycling efforts. Unfortunately, while counties are required to report, that is not the case for businesses. As a result, there is often little consistency in reporting from year to year due to staff changes at that business or varying interest levels.

In contrast, the residential category increased nearly 6,000 tons in FY05. While it is difficult to say with certainty the reason for the increase, there are a few likely scenarios. Some counties invite businesses to bring their recyclables to drop-off sites or extend recycling services to office buildings. In addition, local governments continue to target schools (a large generator of paper waste) while on their routes to pick up paper from the drop-off sites. But because some local governments pick up from residential, commercial and institutional entities on the same route, they cannot separate the numbers for reporting purposes. In other words, the residential category may contain recycling efforts from others in the community.

The value of cardboard and newspaper increased over last year while office paper and magazines saw a decrease in market prices based on the various grades

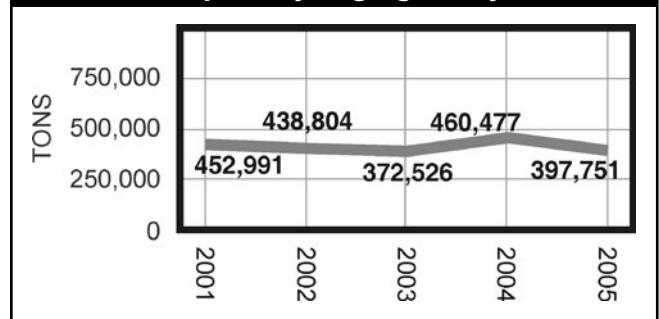
of paper. See chart 3.11 for FY05 specific pricing information.

**DEFINITION:** Paper refers to products and materials including newspaper, magazines, office paper, corrugated containers, bags and some paperboard packaging that can be recycled into new paper products. Cardboard was the No. 1 recycled item, followed by mixed paper and newspaper.

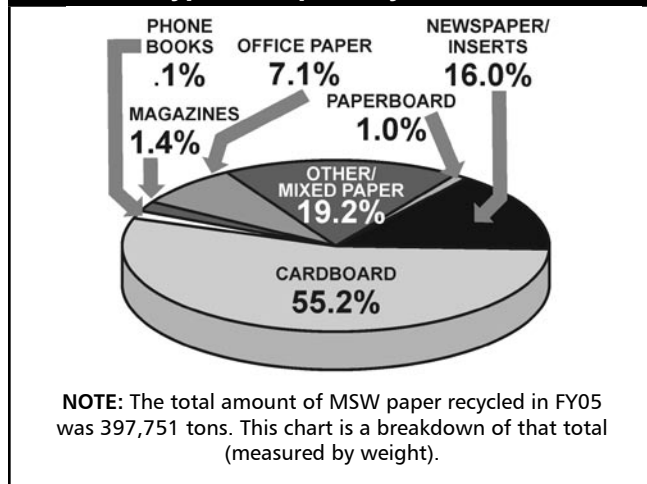
**CHART 3.9: Total Paper Recycled in Tons**

|                   | FY05           | FY04           | +/-            |
|-------------------|----------------|----------------|----------------|
| Cardboard         | 219,654        | 317,745        | -98,091        |
| Magazines         | 5,588          | 4,837          | +751           |
| Newspaper/Inserts | 63,595         | 62,880         | +715           |
| Office Paper      | 28,508         | 16,680         | +11,828        |
| Paperboard        | 3,726          | 0              | +3,726         |
| Phone Books       | 453            | 639            | -186           |
| Other/Mixed Paper | 76,227         | 57,696         | +18,531        |
| <b>TOTAL</b>      | <b>397,751</b> | <b>460,477</b> | <b>-62,726</b> |

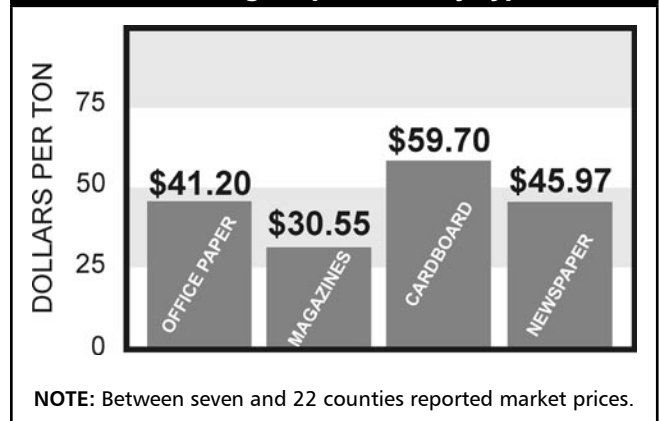
**CHART 3.10: Paper Recycling Figures by Year**





**CHART 3.8: Types of Paper Recycled**



**CHART 3.11: Average Paper Prices by Type**



# COMMODITY: PLASTIC



The amount of plastic collected for recycling increased from 16,020 tons in FY04 to 20,725 tons in FY05 – a 29 percent increase. In addition, the number of counties collecting plastic (primarily  and ) also increased from 38 to 40. Despite the overall increase, the residential category continued a downward trend, dropping 600 tons (nearly 10 percent) from the year before.

**Why the decline in the residential category?**  
Several reasons include the lack of participation by residents in local programs and perhaps the lack of understanding of what plastic can be recycled. It is not because there is not infrastructure in place – 39 of the state's 46 counties accept plastic. In addition, it is not because plastic is not available. Beverage sales are dominated by plastic (at the expense of aluminum and glass). There are more and more plastic containers available for recycling each year, but the national recycling rate for these containers has dropped every year (except two) since 1994 – according to the American Beverage Association.








Plastic recycling frequently faces more obstacles than traditional commodities. Plastic simply doesn't have the market value compared to other commodities particularly aluminum as well as clear and brown glass. As any recycling coordinator knows, the weight – or lack thereof – results in having to collect more

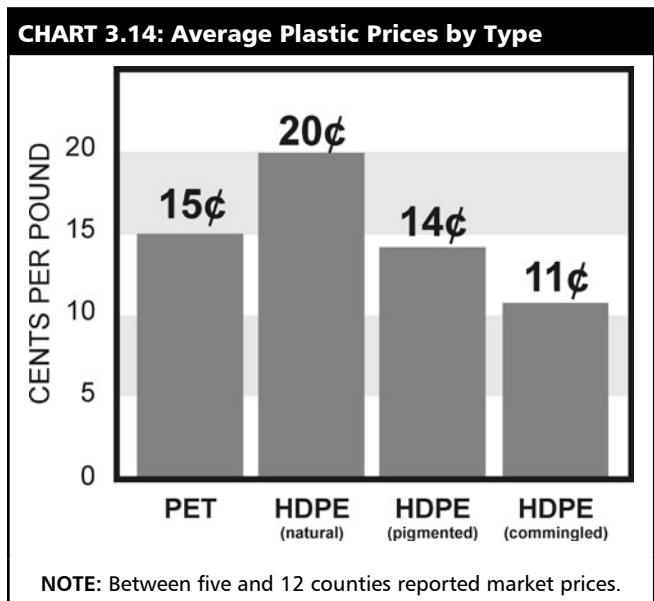
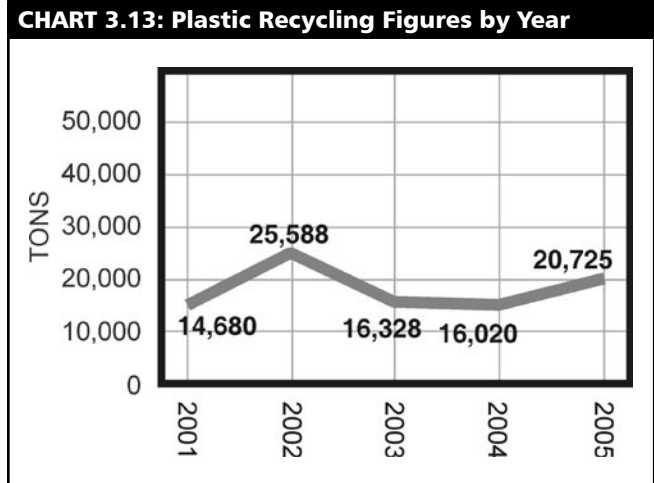
plastic to generate marketable quantities. Also, the convenience of plastic beverage containers gives consumers the opportunity to take the product anywhere, including places that may not have convenient recycling opportunities.

For both PET and HDPE, demand continues to grow for bottles and far exceeds supply. The damage to HDPE processing capacity by several hurricanes put further pressure on shortages of raw material for recycled markets.

**DEFINITION:** Plastic refers to containers and packaging made from various resins ( to ) but does not include plastic from automobiles and construction products.

**CHART 3.12: Total Plastic Recycled in Tons**

| —   | TYPE                       | FY05          | FY04          | +/-           |
|---|----------------------------|---------------|---------------|---------------|
|  | PET                        | 2,334         | 2,201         | +133          |
|  | HDPE                       | 6,399         | 5,906         | +493          |
| —   | PET / HDPE (commingled)    | 2,664         | 1,115         | +1,549        |
|  | V or PVC                   | 188           | 424           | -236          |
|  | LDPE                       | 1,425         | 1,390         | +35           |
|  | PP                         | 29            | 1,452         | -1,423        |
|  | PS                         | 9             | 455           | -446          |
|  | Other/<br>Mixed<br>Plastic | 7,677         | 3,077         | +4,600        |
|   | <b>TOTAL</b>               | <b>20,725</b> | <b>16,020</b> | <b>+4,705</b> |





# COMMODITIES: **BANNED & MISCELLANEOUS ITEMS**

**BANNED ITEMS** are those that cannot be disposed of in South Carolina’s MSW landfills by law. These include lead-acid batteries, tires, used motor oil, appliances (also known as white goods) and yard trimmings. For the first time, used motor oil that was generated and recycled by do-it-yourselfers (DIYers) is included in the MSW recycling rate. See page 17 for a summary of the state’s successful used oil program.

While banned items usually are not collected in curbside programs, most can be taken to county drop-off centers for recycling or to retailers when new products are purchased. Chart 3.15 shows a breakdown of the tonnages recycled for each commodity in FY04 and FY05 for comparison.

With the exception of yard trimmings, there are advance recycling fees associated with banned materials. When consumers buy motor oil, new tires, refrigerators (or other large appliances) and lead-acid batteries, they pay a small fee that is set aside in a Solid Waste Trust Fund to help pay for recycling programs across the state. These fees have helped develop and maintain curbside and drop-off collection programs located throughout the state as well as outreach and education efforts.



**CHART 3.15: Total Banned Items Recycled in Tons**

| COMMODITY                | FY05           | FY04           | +/-             |
|--------------------------|----------------|----------------|-----------------|
| DIY Used Motor Oil       | 4,127          | 0              | +4,127          |
| Lead-acid Batteries      | 10,428         | 7,463          | +2,965          |
| Tires                    | 62,736         | 27,322         | +35,414         |
| White Goods (appliances) | 69,687         | 56,098         | +13,589         |
| Yard Trimmings           | 292,239        | 189,562        | +102,677        |
| <b>TOTAL</b>             | <b>439,217</b> | <b>280,445</b> | <b>+158,772</b> |

There was a 57 percent increase in banned items recycled in FY05. This can be attributed – in part – to the collection of data from tire processors in South Carolina, providing a more accurate picture of recycling activities in the state.

**MISCELLANEOUS ITEMS** are other materials that have been recycled. Generally, they do not fall under any other category in the annual report. These are items that counties recycle based upon local and sometimes unique markets. And while it is difficult to offer some comparison, it is worth noting that local and statewide efforts to increase recycling of certain materials have been extremely successful, with more than triple-digit tonnage increases in cooking oil, consumer electronics, used oil filters and wood. See Chart 3.16 for more information.

**CHART 3.16: Total Miscellaneous Items Recycled in Tons**

| COMMODITY   | FY05          | FY04          | +/-           |
|---|---------------|---------------|---------------|
| Antifreeze  | 360           | 1,516         | -1,156        |
| Consumer Electronics                              | 728           | 379           | +349          |
| Cooking Oil                                       | 7,804         | 4,746         | +3,058        |
| Fluorescent Tubes                                 | 1,172         | 2,761         | -1,589        |
| Food Scraps (post-consumer only)                  | 405           | 946           | -541          |
| Household Hazardous Materials                     | 929           | 999           | -70           |
| Paint   | 198           | 172           | +26           |
| Rechargeable Batteries                            | 219           | 0             | +219          |
| Textiles  | 6,876         | 10,744        | -3,868        |
| Used Oil Filters (if not included as scrap metal) | 3,650         | 948           | +2,702        |
| Wood Packaging                                    | 37,482        | 38,519        | -1,037        |
| Other Wood  | 6,745         | 603           | +6,142        |
| Other Misc.                                       | 2,557         | 164           | +2,393        |
| <b>TOTAL</b>                                      | <b>69,125</b> | <b>62,497</b> | <b>+6,628</b> |

## COMMODITY: **USED MOTOR OIL**

South Carolina has one of the nation's best and most comprehensive recycling programs targeting do-it-yourself (DIY) oil changers.

What began in the early 1990s to conserve resources and to stop illegal dumping of used motor oil, has grown into a one-stop program that also accepts motor oil bottles, filters and oil/gasoline mixtures from DIYers as well as used motor oil from small farming operations.

The program, which is primarily funded by DHEC through the Used Oil Trust Fund, also has grown to about 800 collection sites throughout the state. In addition, the program serves as a model of how convenience and participation go hand in hand. Part of this growth and subsequent success can be attributed to retail outlets, quick lubes and auto parts stores that accept used motor oil from DIYers.

Consider the numbers. DIYers recycled 1,164,835 gallons of used motor oil in calendar year 2004. For the sixth consecutive year, more than 1 million gallons of used motor oil was recycled. Since 1990, DIYers have recycled more than 11 million gallons of used motor oil. For this report, used motor oil generated and recycled by DIYers is counted as part of the state's MSW recycling rate.

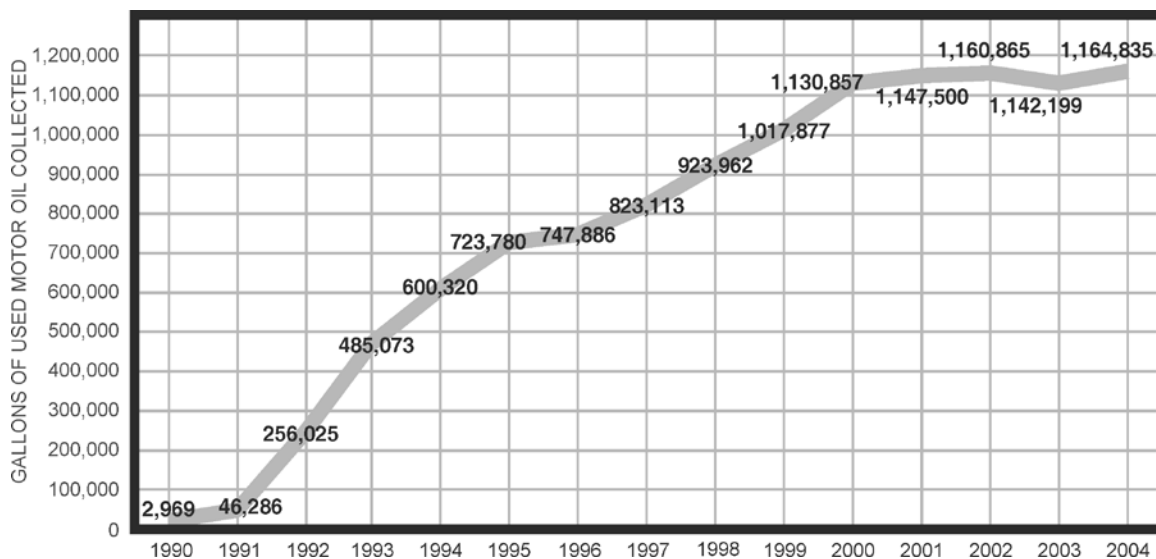
Each county has sites to collect used motor oil. Most of the counties also collect and recycle used oil filters and used oil bottles from DIYers. The Office collects the amount of used oil filters and used oil bottles recycled, but counties often add filters to their metal recycling and bottles to their plastic recycling totals.

The Office encourages counties to establish farmer oil collection tanks as well as oil/gasoline mixture tanks. Farmer oil collection tanks are designed to accept the larger quantities of oil that farmers generate. Since the program began in 1998, 28 farmer oil tanks have been set up in 25 counties. Oil/gasoline mixture tanks are designed to accept used motor oil, gasoline and oil/gasoline mixtures. Thirty oil/gasoline mixture collection sites have been established in 26 counties.

Overall, there are few barriers to the recycling of used motor oil, used oil filters and used oil bottles. Markets are not an issue. Bottles, if properly drained, can be recycled with other plastic. Local scrap dealers and steel mills accept drained/crushed used oil filters.

While the overall used motor oil recycling program continues to be successful, the Office's goal is to have at least one farmer oil collection tank and one oil/gasoline mixture tank in each county as well as have each county collect used oil filters and bottles.

**CHART 3.17: Used Motor Oil Collection Figures for Calendar Year 2004**



**NOTE:** Used motor oil recycling sites are required by law to be registered with the state. Collection figures were taken from reports compiled and provided by Santee Cooper and DHEC's Office of Solid Waste Compliance. Figures for calendar year 2005 were not available when this document was printed.



# RECYCLING DATA FOR STATE AGENCIES & COLLEGES/UNIVERSITIES

Waste reduction, recycling and buying recycled are important waste management choices that can conserve natural resources, save energy and landfill space, and protect the environment. Every community, business, organization, school and person has the opportunity each day to make choices that may have long-term consequences.

State agencies as well as colleges and universities not only have the same opportunity, but also are in a unique position to take a leadership role and set an example for others.

The S.C. Solid Waste Management and Policy Act of 1991 (Act) was amended in October 2000 to require state agencies as well as publicly-funded colleges and universities to measure waste reduction, recycling and buying recycled activities and report those activities to the S.C. Department of Health and Environmental Control (DHEC).

The Act also requires DHEC to compile data from these reports into one comprehensive report that must be submitted to the Governor and General Assembly by November 1 each year. DHEC's Office of Solid Waste Reduction and Recycling is responsible for compiling individual reports and producing the "State Agencies/Colleges and Universities Waste Reduction, Recycling and Buy Recycled Annual Report."

In fiscal year 2005 (FY05 - July 1, 2004 through June 30, 2005), state agencies, colleges and universities recycled 17,871 tons of materials. Of that amount, 13,509 tons were municipal solid waste (MSW) and

as such is counted towards the state's measured recycling rate. This is the first time that the recycling efforts of state agencies, colleges and universities have been included in the state's recycling rate.

The remaining 4,362 tons of materials recycled that was not MSW can be counted as part of the state's total recycling efforts. These materials include automobiles, used oil from fleet operations and construction and demolition debris.

It is important to note that several state agencies – led by DHEC – have developed a S.C. Resource Conservation Challenge. This Challenge provides a much-needed opportunity for government-supported entities to lead by example.

The Challenge asks all government-supported entities to adopt a resource conservation ethic. This ethic includes finding new and improved ways to operate more efficiently, consume less energy, create less waste, purchase more wisely and use more products made with recycled materials and/or that are recyclable.

One key project of the Challenge was assisting in the securing of a state-term contract for state-supported institutions to recycle electronics. Other projects include promoting fluorescent lamp recycling, leasing of computers and conserving energy. One new project is an effort to improve the state's buying recycled efforts. The Challenge offers an annual workshop to network and share success stories. For more information on the S.C. Resource Conservation Challenge, visit [www.scdhec.gov/lwm/rcc](http://www.scdhec.gov/lwm/rcc).

**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.

# RECYCLING DATA: 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

**CHART 4.1: Commodities Recycled in Tons**

| COMMODITIES RECYCLED                      |                             | STATE TOTAL      |
|---|-----------------------------|------------------|
| <b>PAPER</b>                              | Magazines                   | 18.47            |
|   | Office paper                | 1,276.81         |
|   | Newspaper and inserts       | 9.81             |
|   | Corrugated cardboard        | 1,053.24         |
|   | Phone books                 | 72.24            |
|   | Paperboard                  | —                |
|   | Other/mixed paper           | 298.89           |
| <b>PLASTIC (Bottles)</b>                  | #1 PET                      | 0.60             |
|   | #2 HDPE                     | 5.06             |
|   | #3 Vinyl                    | 0.08             |
|   | Other mixed/plastic bottles | 1.07             |
| <b>PLASTIC (Film)</b>                     | #2 HDPE                     | —                |
|   | #4 LDPE                     | —                |
|   | Other/mixed plastic film    | 0.10             |
| <b>METAL</b>                              | Aluminium (cans, foil)      | 169.08           |
|   | Steel cans                  | 174.22           |
|   | Other ferrous metals        | 3,739.12         |
|   | White goods                 | 192.60           |
|   | Other/mixed metal           | 650.62           |
| <b>GLASS (Containers &amp; Packaging)</b> | Brown                       | —                |
|   | Clear                       | 0.01             |
|   | Green                       | —                |
|   | Other/mixed glass           | —                |
| <b>WOOD</b>                               | Pallets                     | 107.54           |
|   | Furniture and cabinets      | 0.99             |
|   | Other/mixed wood            | 155.00           |
| <b>YARD TRIMMINGS/ FOOD SCRAPS</b>        | Grass clippings             | 0.00             |
|   | Food scraps                 | —                |
| <b>OTHER MATERIALS</b>                    | 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         |
| <b>TOTAL</b>                              |                             | <b>10,188.51</b> |

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

# RECYCLING DATA: 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 (USC)
- USC – Aiken
- USC – Sumter
- USC – Upstate
- Williamsburg Technical College
- Winthrop University
- York Technical College



“The State Agencies/ Colleges and Universities Waste Reduction, Recycling and Buying Recycled Reports” for FY02 through FY04 are available at [www.scdhec.gov/recycle/html/pubs.html](http://www.scdhec.gov/recycle/html/pubs.html).

**CHART 4.2: Commodities Recycled in Tons**

| COMMODITIES RECYCLED                      |                             | STATE TOTAL     |
|---|-----------------------------|-----------------|
| <b>PAPER</b>                              | Magazines                   | 16.35           |
|   | Office paper                | 1,306.21        |
|   | Newspaper and inserts       | 33.98           |
|   | Corrugated cardboard        | 873.27          |
|   | Phone books                 | 13.97           |
|   | Paperboard                  | 1.10            |
|   | Other/mixed paper           | 1,266.04        |
| <b>PLASTIC (Bottles)</b>                  | #1 PET                      | 29.02           |
|   | #2 HDPE                     | 20.97           |
|   | #3 Vinyl                    | —               |
|   | Other mixed/plastic bottles | 34.37           |
| <b>PLASTIC (Film)</b>                     | #2 HDPE                     | —               |
|   | #4 LDPE                     | —               |
|   | Other/mixed plastic film    | 4.06            |
| <b>METAL</b>                              | Aluminum (cans, foil)       | 20.39           |
|   | Steel cans                  | 0.98            |
|   | Other ferrous metals        | 247.89          |
|   | White goods                 | 10.70           |
|   | Other/mixed metal           | 168.93          |
| <b>GLASS (Containers &amp; Packaging)</b> | Brown                       | 9.90            |
|   | Clear                       | 9.90            |
|   | Green                       | 9.90            |
|   | Other/mixed glass           | 1.27            |
| <b>WOOD</b>                               | Pallets                     | 85.27           |
|   | Furniture and cabinets      | 2.81            |
|   | Other/mixed wood            | 48.37           |
| <b>YARD TRIMMINGS/ FOOD SCRAPS</b>        | Grass clippings             | 140.88          |
|   | Food scraps                 | 4.00            |
| <b>OTHER MATERIALS</b>                    | 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        |
| <b>TOTAL</b>                              |                             | <b>7,681.58</b> |

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



# THE STATE & COUNTIES AT A GLANCE

South Carolina's municipal solid waste (MSW) recycling rate as well as the total amount of MSW recycled increased from fiscal year 2004 (FY04) to FY05. In South Carolina, only MSW is used to measure the state's recycling efforts. (See definition on page 5.)

The state's recycling rate in FY05 was 26.2 percent – an increase of 17 percent from the recycling rate of 22.4 percent in FY04. The total amount of MSW recycled increased 27 percent from 965,916 tons in FY04 to 1,222,098 tons in FY05. In addition, local government residential recycling programs (both curbside and drop-off) saw a 21 percent increase in tons of MSW recycled.

The S.C. Department of Health and Environmental Control (DHEC) attributes the increases in the rate and tonnages to several factors. As discussed in the Overview, beginning on page 5, DHEC notes two significant activities that impacted the state's recycling efforts. The first of the two significant changes involved modifying the reporting packet that is used by county recycling coordinators to collect recycling data from outside sources (i.e. commercial, institutional/non-profit, industrial). These modifications simplified the reporting process to encourage better responses from area businesses, schools and others. As a result, there was an increase in the number of surveys received, thereby increasing the amount of material recycled.

Next, data was collected for the first time from various sources at the state level and was distributed to counties based on population. These additional recycling tonnages came from tire processors, composting facilities, the state's electronic waste contractor as well as state agencies and colleges/universities. In addition – another first – used motor oil generated and recycled by do-it-yourselfers was included in the measured MSW recycling rate. These new sources added 95,000 tons of MSW – never previously reported – to the state's effort.

All of the tonnages collected were reviewed by staff to ensure that the material reported was MSW.

**CHART 5.1: S.C. MSW Recycling Rate**

| FY05  | FY04  | CHANGE |
|-------|-------|--------|
| 26.2% | 22.4% | +17%   |

**CHART 5.2: S.C. MSW Recycling Tonnages**

| FY05                      | TONS      | +/- IN TONS FROM FY04 | CHANGE |
|---------------------------|-----------|-----------------------|--------|
| State Recycling Effort    | 1,222,098 | +256,182              | +27%   |
| Residential Programs Only | 397,728   | +68,198               | +21%   |

## About this Section...

“Section 5: The State & Counties At A Glance” details state and county efforts to manage their solid waste through recycling and disposal. This section has been split into three parts.

The first part – “State & County MSW Recycling & Disposal Rates” (beginning on page 24) – profiles recycling and disposal activities, measured both in tons and pounds per person per day for each of the 46 counties as well as the state.

In the next part – “State & County Recycling Data” (beginning on page 26) – the amount of material collected for recycling by each county is provided, broken down by commodity and source. In addition, population data, the number of curbside and drop-off recycling programs as well as environmental equivalencies are provided.

Finally, the last part of this section – “Full-cost Disclosure” (beginning on page 50) – presents data on a county-by-county basis that details the cost of operating solid waste programs.



# AT A GLANCE: **STATE & COUNTY MSW RECYCLING & DISPOSAL RATES**

All S.C. counties are required to provide MSW recycling data. They report recycling efforts for glass, metal, paper, plastic, banned and miscellaneous items. The data is categorized into residential, commercial, institutional/non-profit and industrial packaging/office based on the source of the material. Disposal data is reported annually to DHEC by permitted solid waste facilities.

In some cases, there is a gray area between the categories in that not all counties track them separately – especially if they pick up residential and school (institutional) or commercial recyclables on the same route. But more importantly, the total MSW recycling numbers are an accurate reflection of those specified materials diverted from the landfill.

In FY05, three counties – Abbeville, Marlboro and Oconee – met both the state’s recycling and disposal goals. Abbeville had a 37 percent recycling rate, Marlboro achieved a 41 percent recycling rate and Oconee had a 43 percent recycling rate, all exceeding the state’s goal of 35 percent. Also, Abbeville had a disposal rate of 3.3 pounds per person per day (p/p/d), Marlboro had a disposal rate of 2.3 p/p/d and Oconee had a disposal rate of 3.4 p/p/d, all meeting the disposal goal by disposing of less than 3.5 p/p/d.

In addition, Spartanburg County met the state’s recycling rate but not the disposal goal. An additional 18 counties met the state’s disposal goal, but not the recycling goal. See Chart 5.3 for a complete list of counties that met the recycling and/or disposal goals.

Chart 5.4 provides a county-by-county breakdown of MSW recycling, disposal and generation rates. Recycling data is listed by percentage rate (how it is measured statewide), tons and p/p/d by county. The total amount of MSW disposed of in a landfill, incinerated or exported is combined and listed in the disposed column. The MSW disposed of is listed in tons per county and by p/p/d. Generation is recycling + disposal and listed by p/p/d.

**CHART 5.3: S.C. Counties That Met MSW Recycling & Waste Disposal Goals**

| COUNTY       | MET RECYCLING GOAL | MET DISPOSAL GOAL |
|--------------|--------------------|-------------------|
| Abbeville    | Yes                | Yes               |
| Allendale    | —                  | Yes               |
| Calhoun      | —                  | Yes               |
| Chester      | —                  | Yes               |
| Chesterfield | —                  | Yes               |
| Clarendon    | —                  | Yes               |
| Colleton     | —                  | Yes               |
| Edgefield    | —                  | Yes               |
| Kershaw      | —                  | Yes               |
| Lancaster    | —                  | Yes               |
| Laurens      | —                  | Yes               |
| Lee          | —                  | Yes               |
| Lexington    | —                  | Yes               |
| Marion       | —                  | Yes               |
| Marlboro     | Yes                | Yes               |
| McCormick    | —                  | Yes               |
| Oconee       | Yes                | Yes               |
| Pickens      | —                  | Yes               |
| Saluda       | —                  | Yes               |
| Spartanburg  | Yes                | —                 |
| Sumter       | —                  | Yes               |
| Williamsburg | —                  | Yes               |



For the most current listing of local government recycling programs, visit [www.scdhec.gov/recycle/html/counties.html](http://www.scdhec.gov/recycle/html/counties.html).

**CHART 5.4: State & County MSW Recycling, Disposal & Generation Rates**

| COUNTY             | POPULATION       | RECYCLING RATE (PERCENT) | RECYCLED (P/P/D) | DISPOSED (P/P/D) | GENERATION (P/P/D) | RECYCLED (TONS)  | DISPOSED (TONS)  |
|--------------------|------------------|--------------------------|------------------|------------------|--------------------|------------------|------------------|
| Abbeville          | 26,308           | 37.4                     | 1.9              | 3.3              | 5.2                | 9,385            | 15,697           |
| Aiken              | 148,960          | 21.9                     | 1.2              | 4.0              | 5.2                | 30,859           | 109,888          |
| Allendale          | 11,061           | 26.8                     | 1.0              | 2.9              | 3.9                | 2,120            | 5,790            |
| Anderson           | 173,550          | 31.9                     | 2.0              | 4.3              | 6.3                | 63,453           | 135,757          |
| Bamberg            | 15,952           | 4.3                      | 0.1              | 3.8              | 3.9                | 495              | 10,997           |
| Barnwell           | 23,404           | 11.3                     | 0.5              | 4.1              | 4.6                | 2,246            | 17,572           |
| Beaufort           | 135,725          | 23.3                     | 1.7              | 5.8              | 7.5                | 43,590           | 143,300          |
| Berkeley           | 149,668          | 32.4                     | 1.8              | 3.9              | 5.7                | 50,471           | 105,257          |
| Calhoun            | 15,287           | 6.3                      | 0.2              | 2.9              | 3.1                | 550              | 8,138            |
| Charleston         | 326,762          | 32.7                     | 2.4              | 4.9              | 7.3                | 142,359          | 293,073          |
| Cherokee           | 53,782           | 24.8                     | 1.6              | 4.7              | 6.3                | 15,336           | 46,442           |
| Chester            | 33,563           | 6.8                      | 0.2              | 3.1              | 3.3                | 1,388            | 19,014           |
| Chesterfield       | 43,289           | 8.7                      | 0.2              | 1.9              | 2.1                | 1,448            | 15,223           |
| Clarendon          | 33,157           | 30.0                     | 0.5              | 1.2              | 1.7                | 3,094            | 7,222            |
| Colleton           | 39,595           | 7.5                      | 0.2              | 2.8              | 3.0                | 1,651            | 20,250           |
| Darlington         | 67,577           | 17.4                     | 0.8              | 3.9              | 4.7                | 10,214           | 48,324           |
| Dillon             | 31,289           | 3.6                      | 0.2              | 5.4              | 5.6                | 1,165            | 30,831           |
| Dorchester         | 107,004          | 17.7                     | 0.9              | 4.2              | 5.1                | 17,615           | 82,106           |
| Edgefield          | 24,794           | 14.7                     | 0.5              | 2.9              | 3.4                | 2,238            | 12,995           |
| Fairfield          | 24,142           | 6.6                      | 0.3              | 4.9              | 5.2                | 1,520            | 21,576           |
| Florence           | 129,679          | 12.9                     | 0.8              | 5.3              | 6.1                | 18,708           | 126,607          |
| Georgetown         | 59,790           | 20.1                     | 1.0              | 4.2              | 5.2                | 11,424           | 45,435           |
| Greenville         | 401,174          | 30.1                     | 2.8              | 6.3              | 9.1                | 200,031          | 464,497          |
| Greenwood          | 67,519           | 13.6                     | 0.9              | 5.9              | 6.8                | 11,311           | 72,125           |
| Hampton            | 21,301           | 17.4                     | 1.0              | 4.5              | 5.5                | 3,703            | 17,572           |
| Horry              | 217,608          | 29.3                     | 2.3              | 5.6              | 7.9                | 92,551           | 222,847          |
| Jasper             | 21,193           | 19.5                     | 1.3              | 5.3              | 6.6                | 4,993            | 20,666           |
| Kershaw            | 55,491           | 24.2                     | 1.1              | 3.3              | 4.4                | 10,737           | 33,557           |
| Lancaster          | 63,135           | 23.2                     | 0.8              | 2.7              | 3.5                | 9,395            | 31,143           |
| Laurens            | 70,218           | 8.6                      | 0.3              | 3.3              | 3.6                | 3,984            | 42,283           |
| Lee                | 20,500           | 12.0                     | 0.4              | 3.2              | 3.6                | 1,634            | 11,976           |
| Lexington          | 231,057          | 14.8                     | 0.6              | 3.5              | 4.1                | 25,886           | 148,752          |
| Marion             | 35,086           | 9.8                      | 0.2              | 1.9              | 2.1                | 1,352            | 12,400           |
| Marlboro           | 28,147           | 41.0                     | 1.5              | 2.3              | 3.8                | 8,078            | 11,604           |
| McCormick          | 10,133           | 17.6                     | 0.5              | 2.2              | 2.7                | 888              | 4,161            |
| Newberry           | 37,209           | 24.9                     | 2.0              | 6.3              | 8.3                | 14,096           | 42,503           |
| Oconee             | 69,057           | 43.0                     | 2.6              | 3.4              | 6.0                | 32,486           | 43,000           |
| Orangeburg         | 90,779           | 24.9                     | 1.6              | 4.8              | 6.4                | 26,397           | 79,501           |
| Pickens            | 112,475          | 29.8                     | 1.0              | 2.4              | 3.4                | 20,618           | 48,536           |
| Richland           | 334,609          | 17.0                     | 1.0              | 5.1              | 6.1                | 63,701           | 310,801          |
| Saluda             | 18,870           | 11.9                     | 0.4              | 2.9              | 3.3                | 1,335            | 9,896            |
| Spartanburg        | 264,230          | 42.5                     | 3.8              | 5.2              | 9.0                | 184,010          | 249,005          |
| Sumter             | 105,943          | 19.3                     | 0.8              | 3.3              | 4.1                | 15,250           | 63,836           |
| Union              | 28,862           | 9.0                      | 0.4              | 3.8              | 4.2                | 1,988            | 20,169           |
| Williamsburg       | 35,372           | 14.7                     | 0.5              | 3.0              | 3.5                | 3,350            | 19,498           |
| York               | 183,762          | 26.8                     | 1.6              | 4.3              | 5.9                | 52,996           | 144,857          |
| <b>STATE TOTAL</b> | <b>4,198,068</b> | <b>26.2</b>              | <b>1.6</b>       | <b>4.5</b>       | <b>6.1</b>         | <b>1,222,098</b> | <b>3,446,675</b> |

# AT A GLANCE: STATE & COUNTY RECYCLING DATA

Counties are required to complete a progress report every FY, detailing any recycling activities, by commodity, that take place in their county, whether by a local government, college/university, school, business or other recycling program. The numbers reported, as previously stated in the Overview (see page 5), fall into one of four categories; residential, commercial, institutional/nonprofit or industrial packaging/office. In addition, the number of drop-off and curbside recycling programs came from county progress reports and DHEC's County Recycling Programs Web page – [www.scdhec.gov/recycle/html/counties.html](http://www.scdhec.gov/recycle/html/counties.html).

Tracking South Carolina's recycling efforts is important for several reasons. Recycling reduces the need to build landfills and incinerators. Recycling conserves natural resources as well as energy. Recycling reduces pollution caused by the extraction and processing of virgin materials and the manufacturing of products using virgin materials. In addition, recycling reduces greenhouse gas (GHG) emissions.

GHGs are emitted at nearly every stage of a product's life cycle – including the management of solid waste – and contribute to global climate change. How solid

waste is managed can have a substantial impact on GHG emissions. Practices such as waste prevention and recycling can result in significant reductions in GHG emissions.

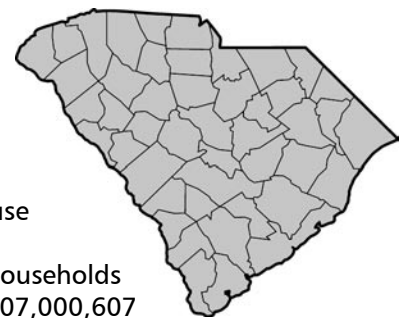
South Carolina recycled 1,222,098 tons of MSW in FY05. Those tonnages came from glass, metal, paper, plastic as well as banned and miscellaneous items that were recycled. See Chart 5.5 for a breakdown of commodities and the amount recycled for the state.

The following pages highlight each individual county's reported efforts, broken down by type of material recycled, origin as well as population data and the number of drop-off and curbside recycling programs.

In partnership with the U.S. Environmental Protection Agency's WasteWise program, DHEC's Office of Solid Waste Reduction and Recycling (Office) also has provided environmental equivalencies for each county based on their FY05 progress reports. These equivalencies put the environmental impact of recycling in perspective. Select equivalencies are provided below for the state and on the following pages for each county.

## SOUTH CAROLINA

Population: **4,198,068**  
 Number of Drop-off Recycling Centers: **609**  
 Number of Curbside Recycling Programs: **127**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. South Carolina recycled 1,222,098 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 571,433 households for one year; growing 114,140,137 tree seedlings for 10 years; or conserving 507,000,607 gallons of gasoline.

**CHART 5.5: Statewide MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL       | COMMERCIAL        | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL               |
|---------------|-------------------|-------------------|-----------------------------|-------------------------|---------------------|
| Glass         | 9,316.42          | 453.99            | 30.18                       | 605.90                  | 10,406.49           |
| Metal         | 35,174.36         | 149,514.00        | 6,764.01                    | 93,421.48               | 284,873.85          |
| Paper         | 91,621.62         | 209,336.47        | 14,914.52                   | 81,878.06               | 397,750.67          |
| Plastic       | 5,539.89          | 6,306.64          | 214.76                      | 8,663.90                | 20,725.19           |
| Banned Items  | 252,006.84        | 134,936.53        | 27,278.80                   | 24,994.98               | 439,217.15          |
| Miscellaneous | 4,068.89          | 16,573.36         | 2,069.31                    | 46,413.33               | 69,124.89           |
| <b>TOTAL</b>  | <b>397,728.02</b> | <b>517,120.99</b> | <b>51,271.58</b>            | <b>255,977.65</b>       | <b>1,222,098.24</b> |

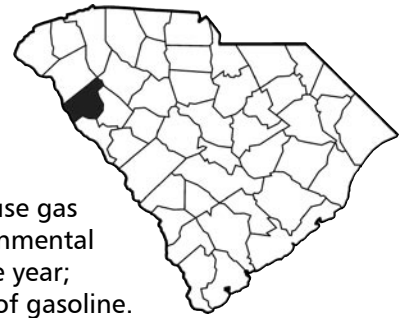
## ABBEVILLE COUNTY

Population: 26,308

Drop-off Recycling Centers: 9

Curbside Recycling Programs: 0

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Abbeville County recycled 9,385 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 3,881 households for one year; growing 775,171 tree seedlings for 10 years; or conserving 3,443,242 gallons of gasoline.



**CHART 5.6: Abbeville County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL   | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|---------------|---------------|-----------------------------|-------------------------|-----------------|
| Glass         | 0.00          | 0.00          | 0.00                        | 0.00                    | 0.00            |
| Metal         | 18.12         | 29.20         | 12.38                       | 0.00                    | 59.70           |
| Paper         | 165.36        | 136.12        | 17.40                       | 699.20                  | 1,018.08        |
| Plastic       | 37.00         | 37.50         | 0.21                        | 0.00                    | 74.71           |
| Banned Items  | 397.03        | 113.03        | 4.16                        | 0.00                    | 514.22          |
| Miscellaneous | 2.80          | 26.62         | 3.89                        | 7,685.32                | 7,718.63        |
| <b>TOTAL</b>  | <b>620.31</b> | <b>342.47</b> | <b>38.04</b>                | <b>8,384.52</b>         | <b>9,385.34</b> |

## AIKEN COUNTY

Population: 148,960

Drop-off Recycling Centers: 12

Curbside Recycling Programs: **Municipalities of Aiken, Burnettown, Jackson, New Ellenton, North Augusta and Wagener**

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Aiken County recycled 30,859 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 20,847 households for one year; growing 4,164,017 tree seedlings for 10 years; or conserving 18,496,203 gallons of gasoline.



**CHART 5.7: Aiken County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL     | COMMERCIAL      | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
|---------------|-----------------|-----------------|-----------------------------|-------------------------|------------------|
| Glass         | 115.51          | 0.00            | 0.00                        | 0.00                    | 115.51           |
| Metal         | 2,736.30        | 2,531.17        | 50.23                       | 9,225.98                | 14,543.68        |
| Paper         | 5,621.26        | 5,171.78        | 144.75                      | 1,486.14                | 12,423.93        |
| Plastic       | 154.10          | 13.39           | .14                         | 1,017.00                | 1,184.63         |
| Banned Items  | 756.12          | 664.86          | 6.37                        | 257.25                  | 1,684.60         |
| Miscellaneous | 0.00            | 577.74          | 281.13                      | 47.89                   | 906.76           |
| <b>TOTAL</b>  | <b>9,383.29</b> | <b>8,958.94</b> | <b>482.62</b>               | <b>12,034.26</b>        | <b>30,859.11</b> |

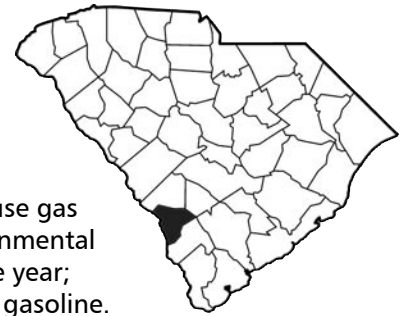
## ALLENDALE COUNTY

Population: 11,061

Drop-off Recycling Centers: 3

Curbside Recycling Programs: **Municipalities of Allendale and Fairfax**

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Allendale County recycled 2,120 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 1,024 households for one year; growing 204,487 tree seedlings for 10 years; or conserving 908,314 gallons of gasoline.



**CHART 5.8: Allendale County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL   | COMMERCIAL      | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|---------------|-----------------|-----------------------------|-------------------------|-----------------|
| Glass         | 0.00          | 0.00            | 0.00                        | 0.00                    | 0.00            |
| Metal         | 99.00         | 353.40          | 35.89                       | 0.00                    | 488.29          |
| Paper         | 11.70         | 0.00            | 47.78                       | 0.00                    | 59.48           |
| Plastic       | .90           | 64.30           | .62                         | 0.00                    | 65.82           |
| Banned Items  | 57.00         | 297.90          | 4.47                        | 0.00                    | 359.37          |
| Miscellaneous | 1.00          | 1,140.77        | 5.10                        | 0.00                    | 1,146.87        |
| <b>TOTAL</b>  | <b>169.60</b> | <b>1,856.37</b> | <b>93.86</b>                | <b>0.00</b>             | <b>2,119.83</b> |

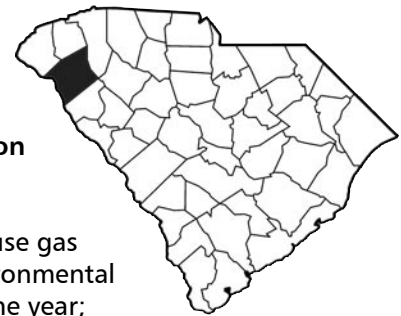
## ANDERSON COUNTY

Population: 173,550

Drop-off Recycling Centers: 15

Curbside Recycling Programs: **Municipalities of Belton, Honea Path, Pendleton and Williamston**

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Anderson County recycled 63,543 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 49,387 households for one year; growing 9,864,744 tree seedlings for 10 years; or conserving 43,818,337 gallons of gasoline.



**CHART 5.9: Anderson County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL     | COMMERCIAL       | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
|---------------|-----------------|------------------|-----------------------------|-------------------------|------------------|
| Glass         | 146.54          | 5.13             | 0.00                        | 0.00                    | 151.67           |
| Metal         | 3,029.67        | 41,511.55        | 58.87                       | 55.25                   | 44,655.34        |
| Paper         | 2,020.39        | 3,340.57         | 341.07                      | 34.50                   | 5,736.53         |
| Plastic       | 30.01           | 18.53            | 7.93                        | .80                     | 57.27            |
| Banned Items  | 2,254.40        | 6,181.62         | 8.70                        | 0.00                    | 8,444.72         |
| Miscellaneous | 1,518.67        | 2,849.78         | 39.00                       | 0.00                    | 4,407.45         |
| <b>TOTAL</b>  | <b>8,999.68</b> | <b>53,907.18</b> | <b>455.57</b>               | <b>90.55</b>            | <b>63,542.98</b> |

## BAMBERG COUNTY

Population: 15,952

Drop-off Recycling Centers: 8

Curbside Recycling Programs: 0

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Bamberg County recycled 495 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 225 households for one year; growing 44,940 tree seedlings for 10 years; or conserving 199,620 gallons of gasoline.



**CHART 5.10: Bamberg County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL   | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL         |
|---------------|---------------|---------------|-----------------------------|-------------------------|---------------|
| Glass         | 0.00          | 0.00          | 0.00                        | 0.00                    | 0.00          |
| Metal         | 11.00         | 1.00          | 13.80                       | 0.00                    | 25.80         |
| Paper         | 2.00          | 30.00         | 122.58                      | 0.00                    | 154.58        |
| Plastic       | 0.00          | 0.00          | .13                         | 0.00                    | .13           |
| Banned Items  | 238.00        | 68.00         | 4.16                        | 0.00                    | 310.16        |
| Miscellaneous | 1.00          | 2.00          | 1.36                        | 0.00                    | 4.36          |
| <b>TOTAL</b>  | <b>252.00</b> | <b>101.00</b> | <b>142.03</b>               | <b>0.00</b>             | <b>495.03</b> |

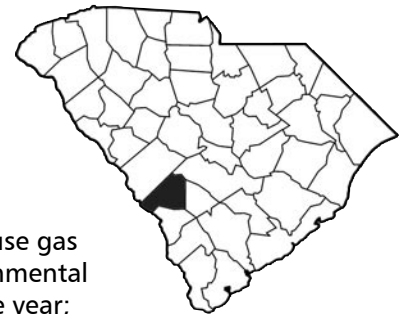
## BARNWELL COUNTY

Population: 23,404

Drop-off Recycling Centers: 9

Curbside Recycling Programs: Municipalities of Barnwell, Blackville, Snelling and Williston

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Barnwell County recycled 2,246 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 1,160 households for one year; growing 231,658 tree seedlings for 10 years; or conserving 1,029,055 gallons of gasoline.



**CHART 5.11: Barnwell County MSW Recycling Data in Tons**

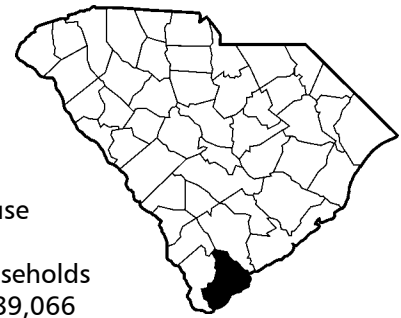
| COMMODITY     | RESIDENTIAL   | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|---------------|---------------|-----------------------------|-------------------------|-----------------|
| Glass         | 30.00         | 0.00          | 0.00                        | 0.00                    | 30.00           |
| Metal         | 368.00        | 0.00          | 15.90                       | 1.00                    | 384.90          |
| Paper         | 203.00        | 592.00        | 25.87                       | 395.00                  | 1,215.87        |
| Plastic       | 16.00         | 95.00         | .17                         | 82.00                   | 193.17          |
| Banned Items  | 80.28         | 177.84        | 4.16                        | 0.00                    | 262.28          |
| Miscellaneous | 33.47         | 2.36          | 49.00                       | 75.43                   | 160.26          |
| <b>TOTAL</b>  | <b>730.75</b> | <b>867.20</b> | <b>95.10</b>                | <b>553.43</b>           | <b>2,246.48</b> |

## BEAUFORT COUNTY

Population: 135,725

Drop-off Recycling Centers: 13

Curbside Recycling Program: City of Beaufort



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Beaufort County recycled 43,590 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 9,455 households for one year; growing 1,888,615 tree seedlings for 10 years; or conserving 8,389,066 gallons of gasoline.

**CHART 5.12: Beaufort County MSW Recycling Data in Tons**

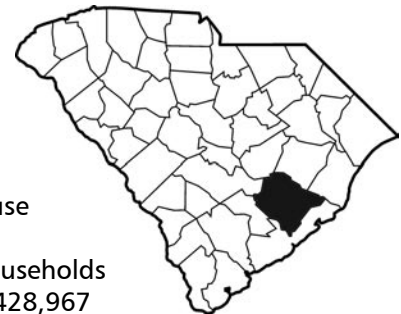
| COMMODITY     | RESIDENTIAL     | COMMERCIAL       | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
|---------------|-----------------|------------------|-----------------------------|-------------------------|------------------|
| Glass         | 548.33          | 0.00             | 3.60                        | 0.00                    | 551.93           |
| Metal         | 89.96           | 374.00           | 594.15                      | 0.00                    | 1,058.11         |
| Paper         | 4,909.29        | 3,175.29         | 1,045.10                    | 0.00                    | 9,129.68         |
| Plastic       | 169.79          | 23.00            | .49                         | 0.00                    | 193.28           |
| Banned Items  | 3,189.75        | 29,033.50        | 35.43                       | 0.00                    | 32,258.68        |
| Miscellaneous | 3.94            | 271.26           | 122.94                      | 0.00                    | 398.14           |
| <b>TOTAL</b>  | <b>8,911.06</b> | <b>32,877.05</b> | <b>1,801.71</b>             | <b>0.00</b>             | <b>43,589.82</b> |

## BERKELEY COUNTY

Population: 149,668

Drop-off Recycling Centers: 22

Curbside Recycling Program: Municipality of Sangaree (yard debris only)



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Berkeley County recycled 50,471 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 20,771 households for one year; growing 4,148,880 tree seedlings for 10 years; or conserving 18,428,967 gallons of gasoline.

**CHART 5.13: Berkeley County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL      | COMMERCIAL       | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
|---------------|------------------|------------------|-----------------------------|-------------------------|------------------|
| Glass         | 145.15           | 0.00             | .11                         | 1.00                    | 146.26           |
| Metal         | 35.42            | 6,763.89         | 36.88                       | 3,663.56                | 10,499.75        |
| Paper         | 1,033.30         | 7,326.53         | 71.31                       | 1,004.83                | 9,435.97         |
| Plastic       | 61.66            | 96.39            | 1.37                        | 1,119.23                | 1,278.65         |
| Banned Items  | 21,075.46        | 1,002.33         | 78.63                       | 791.02                  | 22,947.44        |
| Miscellaneous | 6.40             | 541.10           | 83.33                       | 5,531.60                | 6,162.43         |
| <b>TOTAL</b>  | <b>22,357.39</b> | <b>15,730.24</b> | <b>271.63</b>               | <b>12,111.24</b>        | <b>50,470.50</b> |

## CALHOUN COUNTY

Population: 15,287

Drop-off Recycling Centers: 10

Curbside Recycling Programs: **Municipalities of Cameron and St. Matthews**

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Calhoun County recycled 550 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 229 households for one year; growing 45,786 tree seedlings for 10 years; or conserving 203,379 gallons of gasoline.



| <b>CHART 5.14: Calhoun County MSW Recycling Data in Tons</b> |               |              |                             |                         |               |
|--|---------------|--------------|-----------------------------|-------------------------|---------------|
| COMMODITY  | RESIDENTIAL   | COMMERCIAL   | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL         |
| Glass  | 0.00          | 0.00         | 0.00                        | 0.00                    | 0.00          |
| Metal  | 0.00          | 0.00         | 11.80                       | 0.00                    | 11.80         |
| Paper  | 0.00          | 0.00         | 11.40                       | 0.00                    | 11.40         |
| Plastic  | 0.00          | 0.00         | .13                         | 0.00                    | .13           |
| Banned Items   | 453.47        | 66.00        | 4.16                        | 0.00                    | 523.63        |
| Miscellaneous  | 1.20          | 0.00         | 1.48                        | 0.00                    | 2.68          |
| <b>TOTAL</b>   | <b>454.67</b> | <b>66.00</b> | <b>23.97</b>                | <b>0.00</b>             | <b>549.64</b> |

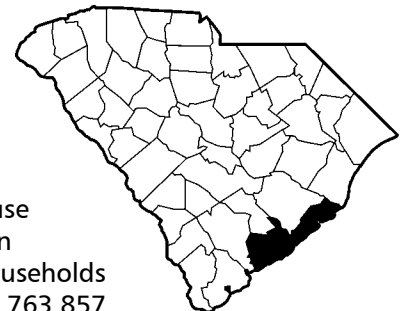
## CHARLESTON COUNTY

Population: 326,762

Drop-off Recycling Centers: 43

Curbside Recycling Programs: **Countywide service**

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Charleston County recycled 142,359 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 60,596 households for one year; growing 12,103,761 tree seedlings for 10 years; or conserving 53,763,857 gallons of gasoline.



| <b>CHART 5.15: Charleston County MSW Recycling Data in Tons</b> |                  |                  |                             |                         |                   |
|---|------------------|------------------|-----------------------------|-------------------------|-------------------|
| COMMODITY   | RESIDENTIAL      | COMMERCIAL       | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL             |
| Glass   | 1,653.34         | 401.00           | 8.96                        | 0.00                    | 2,063.30          |
| Metal   | 1,633.97         | 29,972.52        | 2,459.31                    | 236.20                  | 34,302.00         |
| Paper   | 10,422.17        | 23,778.56        | 4,371.83                    | 246.29                  | 38,818.85         |
| Plastic   | 702.28           | 188.69           | 168.48                      | 0.00                    | 1,059.45          |
| Banned Items  | 16,856.82        | 18,653.23        | 26,351.99                   | 0.00                    | 61,862.04         |
| Miscellaneous   | 190.57           | 3,580.36         | 406.87                      | 76.04                   | 4,253.84          |
| <b>TOTAL</b>  | <b>31,459.15</b> | <b>76,574.36</b> | <b>33,767.44</b>            | <b>558.53</b>           | <b>142,359.48</b> |

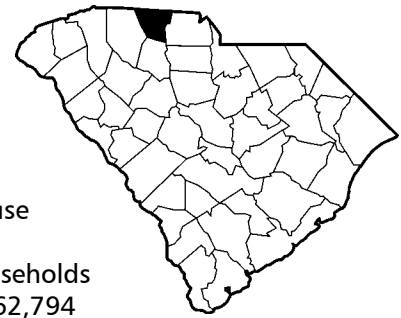


## CHEROKEE COUNTY

Population: 53,782

Drop-off Recycling Centers: 2

Curbside Recycling Programs: **Municipalities of Blacksburg and Gaffney**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Cherokee County recycled 15,336 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 8,411 households for one year; growing 1,680,085 tree seedlings for 10 years; or conserving 7,462,794 gallons of gasoline.

**CHART 5.16: Cherokee County MSW Recycling Data in Tons**

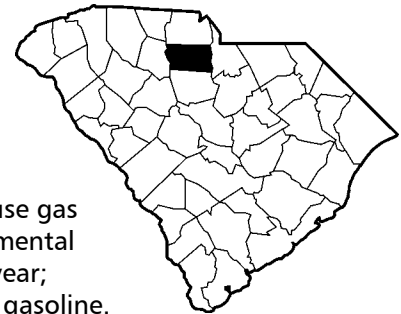
| COMMODITY     | RESIDENTIAL     | COMMERCIAL      | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
|---------------|-----------------|-----------------|-----------------------------|-------------------------|------------------|
| Glass         | 168.40          | 0.00            | 0.00                        | 0.00                    | 168.40           |
| Metal         | 759.50          | 3,561.40        | 11.80                       | 0.00                    | 4,332.70         |
| Paper         | 962.50          | 50.00           | 11.85                       | 4,098.00                | 5,122.35         |
| Plastic       | 56.80           | 0.00            | .13                         | 253.50                  | 310.43           |
| Banned Items  | 1,901.40        | 278.10          | 27.86                       | 0.00                    | 2,207.36         |
| Miscellaneous | 3.20            | 111.00          | 15.51                       | 3,065.33                | 3,195.04         |
| <b>TOTAL</b>  | <b>3,851.80</b> | <b>4,000.50</b> | <b>67.15</b>                | <b>7,416.83</b>         | <b>15,336.28</b> |

## CHESTER COUNTY

Population: 33,563

Drop-off Recycling Centers: 12

Curbside Recycling Program: **City of Chester**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Chester County recycled 1,388 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 633 households for one year; growing 126,453 tree seedlings for 10 years; or conserving 561,693 gallons of gasoline.

**CHART 5.17: Chester County MSW Recycling Data in Tons**

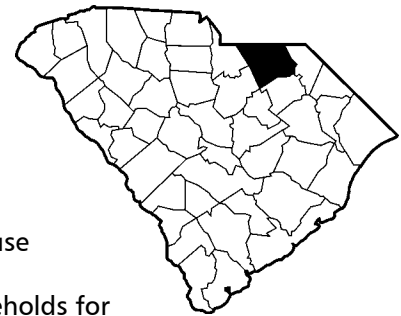
| COMMODITY     | RESIDENTIAL   | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|---------------|---------------|-----------------------------|-------------------------|-----------------|
| Glass         | 30.40         | 0.00          | 0.00                        | 0.00                    | 30.40           |
| Metal         | 16.79         | 0.00          | 11.90                       | 0.00                    | 28.69           |
| Paper         | 650.08        | 229.91        | 22.86                       | 0.00                    | 902.85          |
| Plastic       | 32.27         | 0.00          | .17                         | 0.00                    | 32.44           |
| Banned Items  | 244.00        | 144.00        | 4.16                        | 0.00                    | 392.16          |
| Miscellaneous | 0.00          | 0.00          | 1.48                        | 0.00                    | 1.48            |
| <b>TOTAL</b>  | <b>973.54</b> | <b>373.91</b> | <b>40.57</b>                | <b>0.00</b>             | <b>1,388.02</b> |

## CHESTERFIELD COUNTY

Population: 43,289

Drop-off Recycling Centers: 7

Curbside Recycling Programs: **Municipalities of Cheraw, Chesterfield, Jefferson, McBee, Mount Croghan, Pageland, Patrick and Ruby**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Chesterfield County recycled 1,448 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 791 households for one year; growing 158,043 tree seedlings for 10 years; or conserving 702,012 gallons of gasoline.

**CHART 5.18: Chesterfield County MSW Recycling Data in Tons**

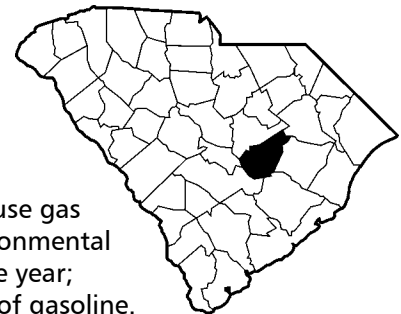
| COMMODITY     | RESIDENTIAL   | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|---------------|---------------|-----------------------------|-------------------------|-----------------|
| Glass         | 0.00          | 0.00          | 0.00                        | 0.00                    | 0.00            |
| Metal         | 334.58        | 0.00          | 11.80                       | 0.00                    | 346.38          |
| Paper         | 49.88         | 254.02        | 16.70                       | 0.00                    | 320.60          |
| Plastic       | 3.35          | 0.00          | .13                         | 0.00                    | 3.48            |
| Banned Items  | 585.97        | 186.00        | 4.16                        | 0.00                    | 776.13          |
| Miscellaneous | 0.00          | 0.00          | 1.48                        | 0.00                    | 1.48            |
| <b>TOTAL</b>  | <b>973.78</b> | <b>440.02</b> | <b>34.27</b>                | <b>0.00</b>             | <b>1,448.07</b> |

## CLARENDON COUNTY

Population: 33,157

Drop-off Recycling Centers: 12

Curbside Recycling Programs: 0



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Clarendon County recycled 3,094 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 1,439 households for one year; growing 287,410 tree seedlings for 10 years; or conserving 1,276,651 gallons of gasoline.

**CHART 5.19: Clarendon County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL     | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|-----------------|---------------|-----------------------------|-------------------------|-----------------|
| Glass         | 72.00           | 0.00          | 0.00                        | 0.00                    | 72.00           |
| Metal         | 1,046.44        | 1.38          | 38.41                       | 0.00                    | 1,086.23        |
| Paper         | 139.72          | 5.00          | 61.58                       | 0.00                    | 206.30          |
| Plastic       | 73.80           | 0.00          | .13                         | 0.00                    | 73.93           |
| Banned Items  | 1,464.50        | 142.00        | 42.05                       | 0.00                    | 1,648.55        |
| Miscellaneous | 1.80            | 0.00          | 5.04                        | 0.00                    | 6.84            |
| <b>TOTAL</b>  | <b>2,798.26</b> | <b>148.38</b> | <b>147.21</b>               | <b>0.00</b>             | <b>3,093.85</b> |

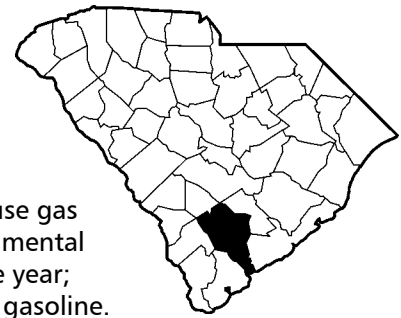
## COLLETON COUNTY

Population: 39,595

Drop-off Recycling Centers: 13

Curbside Recycling Program: City of Walterboro

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Colleton County recycled 1,651 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 1,112 households for one year; growing 222,162 tree seedlings for 10 years; or conserving 986,826 gallons of gasoline.



**CHART 5.20: Colleton County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL     | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|-----------------|---------------|-----------------------------|-------------------------|-----------------|
| Glass         | 0.00            | 0.00          | 0.00                        | 0.00                    | 0.00            |
| Metal         | 776.59          | 0.00          | 11.80                       | 0.00                    | 788.39          |
| Paper         | 197.56          | 145.00        | 11.85                       | 0.00                    | 354.41          |
| Plastic       | 0.00            | 0.00          | .13                         | 0.00                    | .13             |
| Banned Items  | 288.81          | 170.00        | 4.16                        | 0.00                    | 462.97          |
| Miscellaneous | 36.26           | 0.00          | 8.50                        | 0.00                    | 44.76           |
| <b>TOTAL</b>  | <b>1,299.22</b> | <b>315.00</b> | <b>36.44</b>                | <b>0.00</b>             | <b>1,650.66</b> |

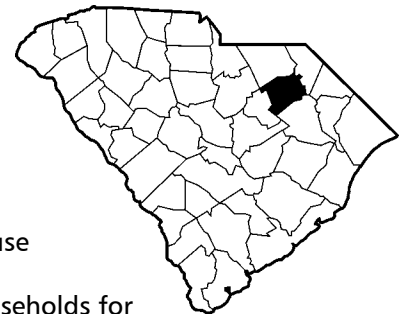
## DARLINGTON COUNTY

Population: 67,577

Drop-off Recycling Centers: 13

Curbside Recycling Programs: Municipalities of Darlington, Hartsville and Lamar

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Darlington County recycled 10,214 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 6,225 households for one year; growing 1,243,470 tree seedlings for 10 years; or conserving 5,523,836 gallons of gasoline.

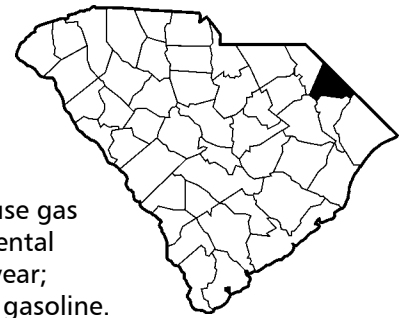


**CHART 5.21: Darlington County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL     | COMMERCIAL      | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
|---------------|-----------------|-----------------|-----------------------------|-------------------------|------------------|
| Glass         | 266.00          | 0.00            | 0.00                        | 0.00                    | 266.00           |
| Metal         | 3,082.00        | 0.00            | 11.80                       | 270.00                  | 3,363.80         |
| Paper         | 1,001.00        | 3,689.00        | 22.4                        | 115.00                  | 4,827.40         |
| Plastic       | 163.00          | 0.00            | .13                         | 3.00                    | 166.13           |
| Banned Items  | 894.00          | 574.00          | 4.16                        | 0.00                    | 1,472.16         |
| Miscellaneous | 67.00           | 20.00           | 1.22                        | 30.00                   | 118.22           |
| <b>TOTAL</b>  | <b>5,473.00</b> | <b>4,283.00</b> | <b>39.71</b>                | <b>418.00</b>           | <b>10,213.71</b> |

## DILLON COUNTY

Population: **31,289**  
 Drop-off Recycling Centers: **14**  
 Curbside Recycling Program: **City of Dillon**

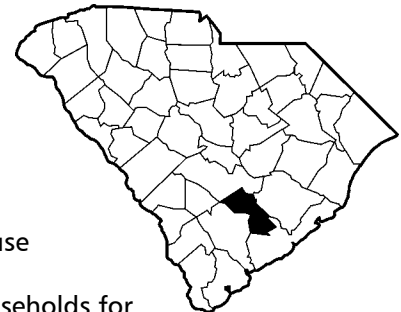


Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Dillon County recycled 1,165 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 653 households for one year; growing 130,496 tree seedlings for 10 years; or conserving 579,651 gallons of gasoline.

| <b>CHART 5.22: Dillon County MSW Recycling Data in Tons</b> |                 |               |                             |                         |                 |
|---|-----------------|---------------|-----------------------------|-------------------------|-----------------|
| COMMODITY   | RESIDENTIAL     | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
| Glass   | 0.00            | 0.00          | 0.00                        | 0.00                    | 0.00            |
| Metal   | 327.06          | 0.00          | 11.80                       | 0.00                    | 338.86          |
| Paper   | 10.00           | 0.00          | 11.41                       | 0.00                    | 21.41           |
| Plastic   | 0.00            | 0.00          | .13                         | 0.00                    | .13             |
| Banned Items  | 664.56          | 134.00        | 4.16                        | 0.00                    | 802.72          |
| Miscellaneous   | .79             | 0.00          | 1.48                        | 0.00                    | 2.27            |
| <b>TOTAL</b>  | <b>1,002.41</b> | <b>134.00</b> | <b>28.98</b>                | <b>0.00</b>             | <b>1,165.39</b> |

## DORCHESTER COUNTY

Population: **107,004**  
 Drop-off Recycling Centers: **12**  
 Curbside Recycling Programs: **Municipalities of Harleyville, St. George and Summerville**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Dorchester County recycled 17,615 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 3,077 households for one year; growing 614,684 tree seedlings for 10 years; or conserving 2,730,372 gallons of gasoline.

| <b>CHART 5.23: Dorchester County MSW Recycling Data in Tons</b> |                  |               |                             |                         |                  |
|---|------------------|---------------|-----------------------------|-------------------------|------------------|
| COMMODITY   | RESIDENTIAL      | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
| Glass   | 97.46            | 0.00          | 0.00                        | 0.00                    | 97.46            |
| Metal   | 23.79            | 0.00          | 42.14                       | 0.00                    | 65.93            |
| Paper   | 1,802.26         | 0.00          | 66.33                       | 0.00                    | 1,868.59         |
| Plastic   | 51.26            | 0.00          | .13                         | 0.00                    | 51.39            |
| Banned Items  | 14,935.25        | 459.00        | 4.96                        | 0.00                    | 15,399.21        |
| Miscellaneous   | 109.90           | 0.00          | 22.29                       | 0.00                    | 132.19           |
| <b>TOTAL</b>  | <b>17,019.92</b> | <b>459.00</b> | <b>135.85</b>               | <b>0.00</b>             | <b>17,614.77</b> |

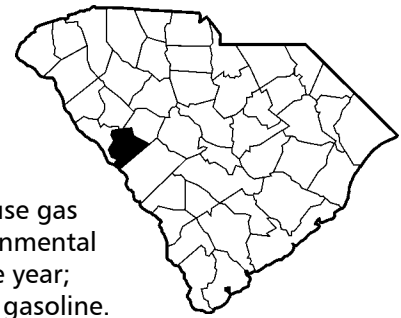
## EDGEFIELD COUNTY

Population: 24,794

Drop-off Recycling Centers: 8

Curbside Recycling Programs: **Municipalities of Edgefield and Johnston**

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Edgefield County recycled 2,238 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 1,060 households for one year; growing 211,726 tree seedlings for 10 years; or conserving 940,471 gallons of gasoline.



**CHART 5.24: Edgefield County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL     | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|-----------------|---------------|-----------------------------|-------------------------|-----------------|
| Glass         | 0.00            | 0.00          | 0.00                        | 0.00                    | 0.00            |
| Metal         | 255.30          | 78.50         | 70.31                       | 16.30                   | 420.41          |
| Paper         | 344.68          | 60.50         | 45.84                       | 70.86                   | 521.88          |
| Plastic       | 38.57           | 0.00          | .13                         | 415.50                  | 454.20          |
| Banned Items  | 401.98          | 206.92        | 17.04                       | 4.50                    | 630.44          |
| Miscellaneous | .50             | .10           | 5.31                        | 205.00                  | 210.91          |
| <b>TOTAL</b>  | <b>1,041.03</b> | <b>346.02</b> | <b>138.63</b>               | <b>712.16</b>           | <b>2,237.84</b> |

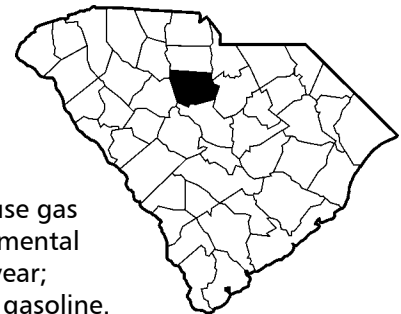
## FAIRFIELD COUNTY

Population: 24,142

Drop-off Recycling Centers: 9

Curbside Recycling Programs: **Town of Winnsboro**

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Fairfield County recycled 1,520 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 796 households for one year; growing 159,077 tree seedlings for 10 years; or conserving 706,606 gallons of gasoline.



**CHART 5.25: Fairfield County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL   | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|---------------|---------------|-----------------------------|-------------------------|-----------------|
| Glass         | 0.00          | 0.00          | 0.00                        | 0.00                    | 0.00            |
| Metal         | 239.10        | 0.00          | 11.80                       | 106.00                  | 356.90          |
| Paper         | 217.80        | 96.00         | 11.40                       | 229.60                  | 554.80          |
| Plastic       | 14.79         | 0.00          | .13                         | 0.00                    | 14.92           |
| Banned Items  | 456.56        | 104.00        | 4.16                        | 23.00                   | 487.72          |
| Miscellaneous | 3.75          | 1.48          | 0.00                        | .50                     | 5.73            |
| <b>TOTAL</b>  | <b>932.00</b> | <b>201.48</b> | <b>27.49</b>                | <b>359.10</b>           | <b>1,520.07</b> |

## FLORENCE COUNTY

Population: 129,679

Drop-off Recycling Centers: 15

Curbside Recycling Programs: **Municipalities of Florence and Lake City**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Florence County recycled 18,708 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 8,104 households for one year; growing 1,618,692 tree seedlings for 10 years; or conserving 7,190,091 gallons of gasoline.

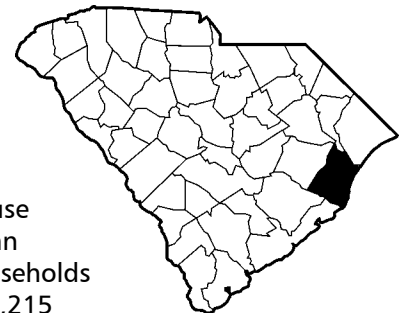
| <b>CHART 5.26: Florence County MSW Recycling Data in Tons</b> |                 |                 |                             |                         |                  |
|---|-----------------|-----------------|-----------------------------|-------------------------|------------------|
| COMMODITY   | RESIDENTIAL     | COMMERCIAL      | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
| Glass   | 109.17          | 0.00            | 0.00                        | 0.00                    | 109.17           |
| Metal   | 90.43           | 2.60            | 65.61                       | 2,739.60                | 2,898.24         |
| Paper   | 1,003.18        | .15             | 100.34                      | 1,929.70                | 3,033.37         |
| Plastic   | 117.73          | 0.00            | 1.23                        | 3.35                    | 122.31           |
| Banned Items  | 4,614.99        | 3,290.45        | 12.54                       | 964.03                  | 8,882.01         |
| Miscellaneous   | 1,300.02        | 4.99            | 10.93                       | 2,346.52                | 3,662.46         |
| <b>TOTAL</b>  | <b>7,235.52</b> | <b>3,298.19</b> | <b>190.65</b>               | <b>7,983.20</b>         | <b>18,707.56</b> |

## GEORGETOWN COUNTY

Population: 59,790

Drop-off Recycling Centers: 14

Curbside Recycling Programs: **Municipalities of Andrews and Georgetown**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Georgetown County recycled 11,424 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 3,495 households for one year; growing 698,171 tree seedlings for 10 years; or conserving 3,101,215 gallons of gasoline.

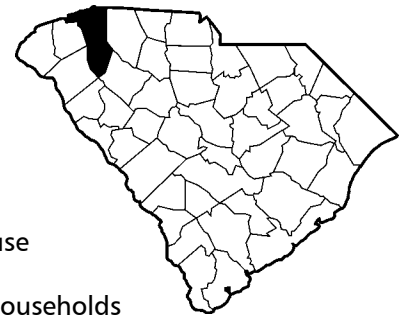
| <b>CHART 5.27: Georgetown County MSW Recycling Data in Tons</b> |                 |               |                             |                         |                  |
|---|-----------------|---------------|-----------------------------|-------------------------|------------------|
| COMMODITY   | RESIDENTIAL     | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
| Glass   | 129.53          | 0.00          | 0.00                        | 0.00                    | 129.53           |
| Metal   | 1,252.71        | 0.00          | 1,164.30                    | 0.00                    | 2,417.01         |
| Paper   | 692.34          | 0.00          | 59.46                       | 0.00                    | 751.80           |
| Plastic   | 54.24           | 0.00          | .17                         | 0.00                    | 54.51            |
| Banned Items  | 7,555.15        | 431.17        | 18.01                       | 2.50                    | 8,006.83         |
| Miscellaneous   | 2.76            | 0.00          | 58.13                       | 3.45                    | 64.34            |
| <b>TOTAL</b>  | <b>9,686.73</b> | <b>431.17</b> | <b>1,300.07</b>             | <b>5.95</b>             | <b>11,423.92</b> |

## GREENVILLE COUNTY

Population: 401,174

Drop-off Recycling Centers: 28

Curbside Recycling Programs: Cities of Fountain Inn, Greenville, Greer, Mauldin, Simpsonville and Traveler's Rest



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Greenville County recycled 200,031 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 124,206 households for one year; growing 24,809,419 tree seedlings for 10 years; or conserving 110,201,291 gallons of gasoline.

**CHART 5.28: Greenville County MSW Recycling Data in Tons**

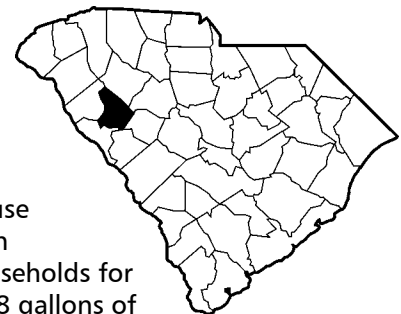
| COMMODITY     | RESIDENTIAL      | COMMERCIAL        | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL             |
|---------------|------------------|-------------------|-----------------------------|-------------------------|-------------------|
| Glass         | 922.00           | 24.00             | 0.00                        | 0.00                    | 946.00            |
| Metal         | 244.00           | 49,556.00         | 0.00                        | 41,950.00               | 91,750.00         |
| Paper         | 7,336.00         | 51,322.00         | 0.00                        | 0.00                    | 58,658.00         |
| Plastic       | 348.00           | 4,595.00          | 0.00                        | 2,638.00                | 7,581.00          |
| Banned Items  | 21,305.00        | 13,025.00         | 4.54                        | 4,224.00                | 38,558.54         |
| Miscellaneous | 210.00           | 902.00            | 5.04                        | 1,420.00                | 2,537.04          |
| <b>TOTAL</b>  | <b>30,365.00</b> | <b>119,424.00</b> | <b>9.58</b>                 | <b>50,232.00</b>        | <b>200,030.58</b> |

## GREENWOOD COUNTY

Population: 67,519

Drop-off Recycling Centers: 9

Curbside Recycling Program: Countywide service



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Greenwood County recycled 11,311 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 4,656 households for one year; growing 929,923 tree seedlings for 10 years; or conserving 4,130,638 gallons of gasoline.

**CHART 5.29: Greenwood County MSW Recycling Data in Tons**

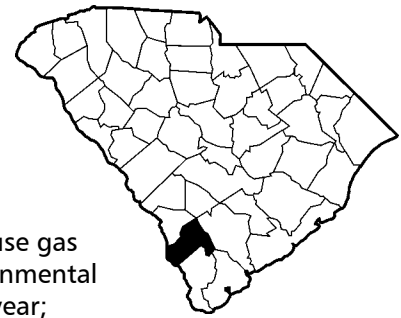
| COMMODITY     | RESIDENTIAL     | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
|---------------|-----------------|---------------|-----------------------------|-------------------------|------------------|
| Glass         | 105.00          | 0.00          | 0.00                        | 0.00                    | 105.00           |
| Metal         | 558.00          | 0.00          | 46.41                       | 123.00                  | 727.41           |
| Paper         | 2,119.50        | 0.00          | 127.38                      | 4,546.50                | 6,794.38         |
| Plastic       | 153.00          | 0.00          | .23                         | .50                     | 153.73           |
| Banned Items  | 2,862.00        | 290.00        | 5.79                        | 80.00                   | 3,237.79         |
| Miscellaneous | .25             | 0.00          | 11.24                       | 281.50                  | 292.99           |
| <b>TOTAL</b>  | <b>5,797.75</b> | <b>290.00</b> | <b>192.05</b>               | <b>5,031.50</b>         | <b>11,311.30</b> |

## HAMPTON COUNTY

Population: 21,301

Drop-off Recycling Centers: 10

Curbside Recycling Programs: **Municipalities of Brunson, Estill, Hampton, Varnville and Yemassee**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Hampton County recycled 3,703 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 778 households for one year; growing 155,316 tree seedlings for 10 years; or conserving 689,901 gallons of gasoline.

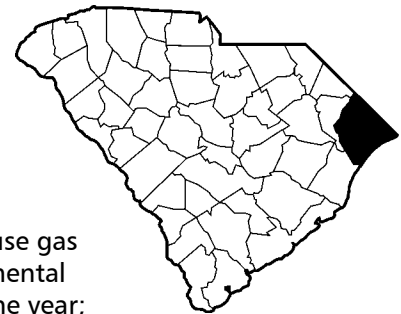
| <b>CHART 5.30: Hampton County MSW Recycling Data in Tons</b> |                 |              |                             |                         |                 |
|--|-----------------|--------------|-----------------------------|-------------------------|-----------------|
| COMMODITY  | RESIDENTIAL     | COMMERCIAL   | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
| Glass  | 21.53           | 0.00         | 0.00                        | 0.00                    | 21.53           |
| Metal  | 350.91          | 0.00         | 11.80                       | 0.00                    | 362.71          |
| Paper  | 89.26           | 0.00         | 11.40                       | 0.00                    | 100.66          |
| Plastic  | .76             | 0.00         | .13                         | 0.00                    | .89             |
| Banned Items   | 3,057.07        | 91.00        | 4.16                        | 0.00                    | 3,152.23        |
| Miscellaneous  | 63.21           | 0.00         | 1.48                        | 0.00                    | 64.69           |
| <b>TOTAL</b>   | <b>3,582.74</b> | <b>91.00</b> | <b>28.97</b>                | <b>0.00</b>             | <b>3,702.71</b> |

## HORRY COUNTY

Population: 217,608

Drop-off Recycling Centers: 27

Curbside Recycling Programs: **Municipalities of Briarcliffe Acres, Conway, Loris, Myrtle Beach, North Myrtle Beach and Surfside Beach**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Horry County recycled 92,551 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 35,769 households for one year; growing 7,144,547 tree seedlings for 10 years; or conserving 31,735,459 gallons of gasoline.

| <b>CHART: 5.31: Horry County MSW Recycling Data in Tons</b> |                  |                  |                             |                         |                  |
|---|------------------|------------------|-----------------------------|-------------------------|------------------|
| COMMODITY   | RESIDENTIAL      | COMMERCIAL       | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
| Glass   | 729.30           | 0.00             | 0.00                        | 0.00                    | 729.30           |
| Metal   | 6,370.53         | 497.98           | 1,163.86                    | 11,860.72               | 19,893.09        |
| Paper   | 14,380.56        | 5,847.05         | 59.46                       | 404.98                  | 20,692.05        |
| Plastic   | 377.00           | 0.00             | .17                         | 100.00                  | 477.17           |
| Banned Items  | 36,909.90        | 3,754.45         | 18.01                       | 5,425.40                | 46,107.76        |
| Miscellaneous   | 20.40            | 606.30           | 58.13                       | 3,966.48                | 4,651.31         |
| <b>TOTAL</b>  | <b>58,787.69</b> | <b>10,705.78</b> | <b>1,299.63</b>             | <b>21,757.58</b>        | <b>92,550.68</b> |

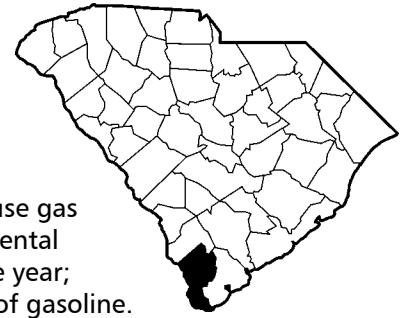


## JASPER COUNTY

Population: 21,193

Drop-off Recycling Centers: 7

Curbside Recycling Programs: **Municipalities of Hardeeville and Ridgeland**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Jasper County recycled 4,993 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 2,351 households for one year; growing 469,521 tree seedlings for 10 years; or conserving 2,085,573 gallons of gasoline.

**CHART 5.32: Jasper County MSW Recycling Data in Tons**

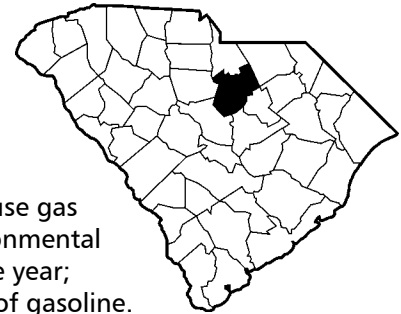
| COMMODITY     | RESIDENTIAL     | COMMERCIAL      | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|-----------------|-----------------|-----------------------------|-------------------------|-----------------|
| Glass         | 6.93            | 0.00            | 0.00                        | 0.00                    | 6.93            |
| Metal         | 584.69          | 35.02           | 39.51                       | 0.00                    | 659.22          |
| Paper         | 225.01          | 2,302.86        | 68.05                       | 0.00                    | 2,595.92        |
| Plastic       | 10.55           | 14.36           | .17                         | 0.00                    | 25.08           |
| Banned Items  | 769.20          | 91.80           | 4.54                        | 0.00                    | 865.54          |
| Miscellaneous | 33.51           | 795.10          | 11.54                       | 0.00                    | 840.15          |
| <b>TOTAL</b>  | <b>1,629.89</b> | <b>3,239.14</b> | <b>123.81</b>               | <b>0.00</b>             | <b>4,992.84</b> |

## KERSHAW COUNTY

Population: 55,491

Drop-off Recycling Centers: 10

Curbside Recycling Program: **City of Camden**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Kershaw County recycled 10,737 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 1,869 households for one year; growing 373,342 tree seedlings for 10 years; or conserving 1,658,352 gallons of gasoline.

**CHART 5.33: Kershaw County MSW Recycling Data in Tons**

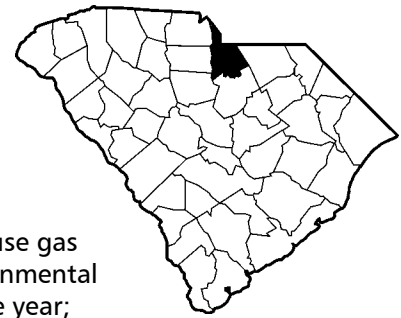
| COMMODITY     | RESIDENTIAL     | COMMERCIAL      | INSTITUTIONAL<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
|---------------|-----------------|-----------------|----------------------------|-------------------------|------------------|
| Glass         | 89.02           | 0.00            | 0.00                       | 0.00                    | 89.02            |
| Metal         | 31.51           | 0.00            | 11.80                      | 0.00                    | 43.31            |
| Paper         | 518.54          | 2.00            | 11.85                      | 1,200.00                | 1,732.39         |
| Plastic       | 82.60           | 0.00            | .13                        | 0.00                    | 82.73            |
| Banned Items  | 6,956.40        | 1,825.36        | 4.16                       | 0.00                    | 8,785.92         |
| Miscellaneous | 1.95            | 0.00            | 1.48                       | 0.00                    | 3.43             |
| <b>TOTAL</b>  | <b>7,680.02</b> | <b>1,827.36</b> | <b>29.42</b>               | <b>1,200.00</b>         | <b>10,736.80</b> |

## LANCASTER COUNTY

Population: 63,135

Drop-off Recycling Centers: 14

Curbside Recycling Programs: Municipalities of Heath Springs, Kershaw and Lancaster



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Lancaster County recycled 9,395 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 6,208 households for one year; growing 1,239,991 tree seedlings for 10 years; or conserving 5,507,935 gallons of gasoline.

**CHART 5.34: Lancaster County MSW Recycling Data in Tons**

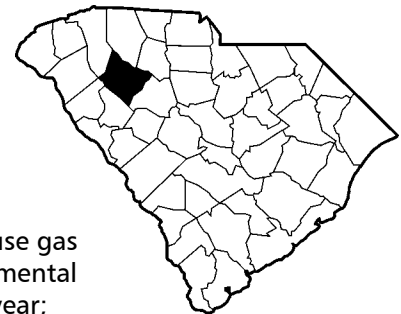
| COMMODITY     | RESIDENTIAL     | COMMERCIAL      | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|-----------------|-----------------|-----------------------------|-------------------------|-----------------|
| Glass         | 73.76           | 0.00            | 0.00                        | 0.00                    | 73.76           |
| Metal         | 2,784.44        | 402.50          | 38.41                       | 831.10                  | 4,056.45        |
| Paper         | 715.21          | 331.70          | 46.03                       | 2,883.86                | 3,976.80        |
| Plastic       | 67.11           | 0.00            | .13                         | 47.23                   | 114.47          |
| Banned Items  | 845.22          | 271.00          | 4.54                        | .08                     | 1,120.84        |
| Miscellaneous | 46.70           | 0.00            | 5.04                        | 1.25                    | 52.99           |
| <b>TOTAL</b>  | <b>4,532.44</b> | <b>1,005.20</b> | <b>94.15</b>                | <b>3,763.52</b>         | <b>9,395.31</b> |

## LAURENS COUNTY

Population: 70,218

Drop-off Recycling Centers: 11

Curbside Recycling Programs: Municipalities of Clinton, Gray Court and Laurens



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Laurens County recycled 3,984 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 926 households for one year; growing 185,026 tree seedlings for 10 years; or conserving 821,868 gallons of gasoline.

**CHART 5.35: Laurens County MSW Recycling Data in Tons**

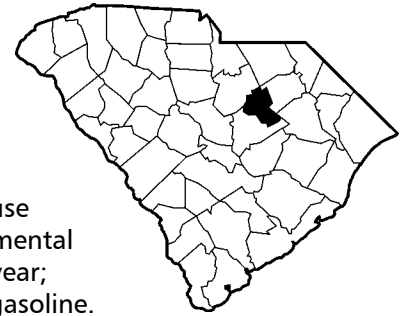
| COMMODITY     | RESIDENTIAL     | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|-----------------|---------------|-----------------------------|-------------------------|-----------------|
| Glass         | 22.00           | .94           | 0.00                        | 0.00                    | 22.94           |
| Metal         | 4.00            | 0.00          | 11.80                       | 0.00                    | 15.80           |
| Paper         | 474.00          | 0.00          | 11.85                       | 16.00                   | 501.85          |
| Plastic       | 0.00            | .16           | .13                         | 0.00                    | .29             |
| Banned Items  | 2,752.00        | 413.25        | 4.16                        | 0.00                    | 3,169.41        |
| Miscellaneous | 272.00          | 0.00          | 1.48                        | 0.00                    | 273.48          |
| <b>TOTAL</b>  | <b>3,524.00</b> | <b>414.35</b> | <b>29.42</b>                | <b>16.00</b>            | <b>3,983.77</b> |

## LEE COUNTY

Population: 20,500

Drop-off Recycling Centers: 9

Curbside Recycling Programs: 0



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Lee County recycled 1,634 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 439 households for one year; growing 87,718 tree seedlings for 10 years; or conserving 389,636 gallons of gasoline.

**CHART 5.36: Lee County MSW Recycling Data in Tons**

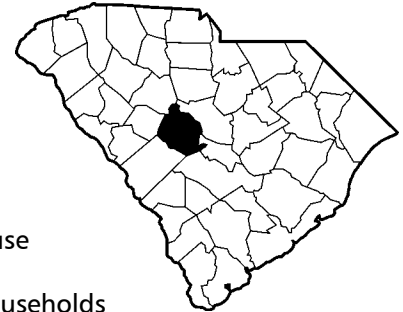
| COMMODITY     | RESIDENTIAL     | COMMERCIAL   | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|-----------------|--------------|-----------------------------|-------------------------|-----------------|
| Glass         | 0.00            | 0.00         | 0.00                        | 0.00                    | 0.00            |
| Metal         | 51.70           | 0.00         | 38.41                       | 0.00                    | 90.11           |
| Paper         | 27.80           | 0.00         | 46.03                       | 308.00                  | 381.83          |
| Plastic       | 3.96            | 0.00         | .13                         | 0.00                    | 4.09            |
| Banned Items  | 1,055.50        | 88.00        | 4.54                        | 0.00                    | 1,148.04        |
| Miscellaneous | 4.50            | 0.00         | 5.04                        | 0.00                    | 9.54            |
| <b>TOTAL</b>  | <b>1,143.46</b> | <b>88.00</b> | <b>94.15</b>                | <b>308.00</b>           | <b>1,633.61</b> |

## LEXINGTON COUNTY

Population: 231,057

Drop-off Recycling Centers: 13

Curbside Recycling Programs: Municipalities of Batesburg-Leesville, Cayce, Irmo, Lexington, Springdale and West Columbia



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Lexington County recycled 25,886 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 12,154 households for one year; growing 2,427,709 tree seedlings for 10 years; or conserving 10,783,675 gallons of gasoline.

**CHART 5.37: Lexington County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL      | COMMERCIAL       | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
|---------------|------------------|------------------|-----------------------------|-------------------------|------------------|
| Glass         | 644.90           | 1.82             | 0.00                        | 0.00                    | 646.72           |
| Metal         | 1,389.32         | 164.97           | 16.66                       | 12.17                   | 1,583.12         |
| Paper         | 4,478.78         | 7,567.58         | 2,244.87                    | 695.09                  | 14,986.32        |
| Plastic       | 475.23           | 6.82             | 1.33                        | 536.35                  | 1,019.73         |
| Banned Items  | 3,148.25         | 3,491.00         | 5.91                        | 1.20                    | 6,646.36         |
| Miscellaneous | 12.05            | 829.05           | 73.70                       | 88.90                   | 1,003.70         |
| <b>TOTAL</b>  | <b>10,148.53</b> | <b>12,061.24</b> | <b>2,342.47</b>             | <b>1,333.71</b>         | <b>25,885.95</b> |

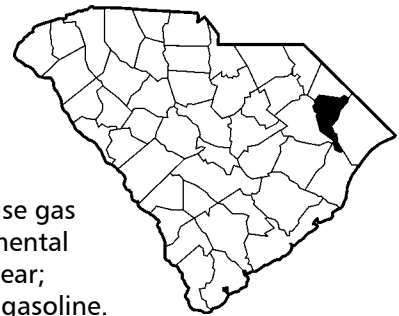
## MARION COUNTY

Population: **35,086**

Drop-off Recycling Centers: **2**

Curbside Recycling Programs: **Municipalities of Marion, Mullins and Nichols**

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Marion County recycled 1,352 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 611 households for one year; growing 122,034 tree seedlings for 10 years; or conserving 542,065 gallons of gasoline.



**CHART 5.38: Marion County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL   | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|---------------|---------------|-----------------------------|-------------------------|-----------------|
| Glass         | 30.00         | 0.00          | 0.00                        | 0.00                    | 30.00           |
| Metal         | 7.50          | 0.00          | 11.80                       | 0.00                    | 19.30           |
| Paper         | 0.00          | 14.50         | 3.93                        | 800.00                  | 818.43          |
| Plastic       | 13.35         | 0.00          | .13                         | 0.00                    | 13.48           |
| Banned Items  | 309.62        | 150.00        | 4.16                        | 0.00                    | 463.78          |
| Miscellaneous | 0.00          | 5.93          | 1.12                        | 0.00                    | 7.05            |
| <b>TOTAL</b>  | <b>360.47</b> | <b>170.43</b> | <b>21.14</b>                | <b>800.00</b>           | <b>1,352.04</b> |

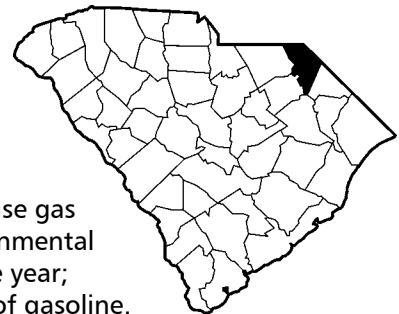
## MARLBORO COUNTY

Population: **28,147**

Drop-off Recycling Centers: **3**

Curbside Recycling Programs: **0**

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Marlboro County recycled 8,078 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 2,111 households for one year; growing 421,573 tree seedlings for 10 years; or conserving 1,872,589 gallons of gasoline.



**CHART 5.39: Marlboro County MSW Recycling Data in Tons**

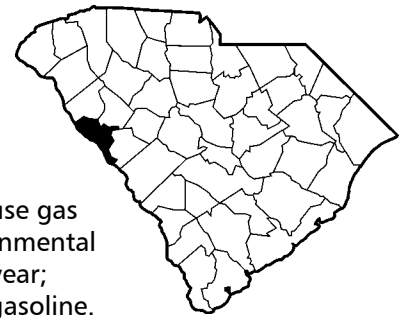
| COMMODITY     | RESIDENTIAL     | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|-----------------|---------------|-----------------------------|-------------------------|-----------------|
| Glass         | 0.00            | 0.00          | 0.00                        | 0.00                    | 0.00            |
| Metal         | 23.01           | 0.00          | 38.41                       | 0.00                    | 61.42           |
| Paper         | 20.43           | 0.00          | 45.58                       | 3,213.00                | 3,279.01        |
| Plastic       | 2.33            | 0.00          | .13                         | 52.00                   | 54.46           |
| Banned Items  | 4,242.00        | 287.00        | 4.54                        | 0.00                    | 4,533.54        |
| Miscellaneous | 1.45            | 0.00          | 1.42                        | 147.00                  | 149.87          |
| <b>TOTAL</b>  | <b>4,289.22</b> | <b>287.00</b> | <b>90.08</b>                | <b>3,412.00</b>         | <b>8,078.30</b> |

## McCORMICK COUNTY

Population: 10,133

Drop-off Recycling Centers: 5

Curbside Recycling Programs: 0



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. McCormick County recycled 888 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 455 households for one year; growing 90,821 tree seedlings for 10 years; or conserving 403,417 gallons of gasoline.

**CHART 5.40: McCormick County MSW Recycling Data in Tons**

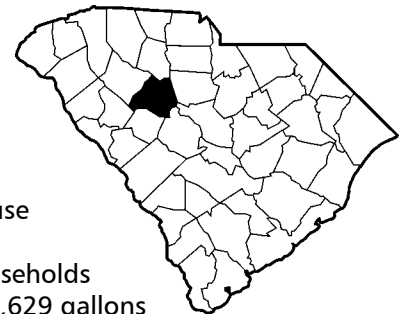
| COMMODITY     | RESIDENTIAL   | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL         |
|---------------|---------------|---------------|-----------------------------|-------------------------|---------------|
| Glass         | 0.00          | 0.00          | 0.00                        | 0.00                    | 0.00          |
| Metal         | 101.73        | 5.45          | 41.41                       | 2.00                    | 150.59        |
| Paper         | 730.89        | 17.83         | 46.08                       | 108.75                  | 246.55        |
| Plastic       | 11.42         | 0.00          | .13                         | 1.25                    | 12.80         |
| Banned Items  | 184.76        | 85.25         | 7.29                        | .50                     | 277.80        |
| Miscellaneous | .20           | .02           | 5.04                        | 194.87                  | 200.13        |
| <b>TOTAL</b>  | <b>372.00</b> | <b>108.55</b> | <b>99.95</b>                | <b>307.37</b>           | <b>887.87</b> |

## NEWBERRY COUNTY

Population: 37,209

Drop-off Recycling Centers: 12

Curbside Recycling Programs: 0



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Newberry County recycled 14,096 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 2,667 households for one year; growing 532,795 tree seedlings for 10 years; or conserving 2,366,629 gallons of gasoline.

**CHART 5.41: Newberry County MSW Recycling Data in Tons**

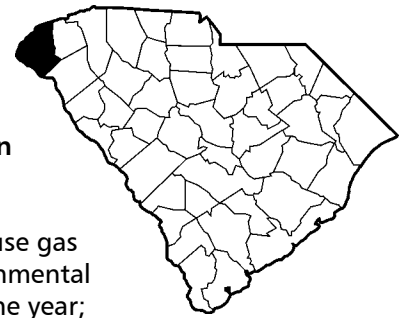
| COMMODITY     | RESIDENTIAL     | COMMERCIAL       | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
|---------------|-----------------|------------------|-----------------------------|-------------------------|------------------|
| Glass         | 49.77           | 6.40             | 0.00                        | 0.00                    | 56.17            |
| Metal         | 5.17            | 224.59           | 11.80                       | 0.00                    | 241.56           |
| Paper         | 538.69          | 1,926.31         | 11.40                       | 0.00                    | 2,476.40         |
| Plastic       | 26.64           | 2.39             | .13                         | 0.00                    | 29.16            |
| Banned Items  | 2,902.94        | 8,214.00         | 4.16                        | 0.00                    | 11,121.10        |
| Miscellaneous | 3.60            | 166.76           | 1.48                        | 0.00                    | 171.84           |
| <b>TOTAL</b>  | <b>3,526.81</b> | <b>10,540.45</b> | <b>28.97</b>                | <b>0.00</b>             | <b>14,096.23</b> |

## OCONEE COUNTY

Population: 69,057

Drop-off Recycling Centers: 17

Curbside Recycling Programs: Municipalities of Seneca, Walhalla, West Union and Westminster



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Oconee County recycled 32,486 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 19,296 households for one year; growing 3,854,231 tree seedlings for 10 years; or conserving 17,120,159 gallons of gasoline.

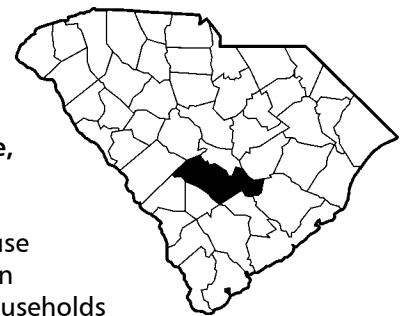
| <b>CHART 5.42: Oconee County MSW Recycling Data in Tons</b> |                 |                 |                             |                         |                  |
|---|-----------------|-----------------|-----------------------------|-------------------------|------------------|
| COMMODITY   | RESIDENTIAL     | COMMERCIAL      | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
| Glass   | 260.67          | 0.00            | 9.90                        | 0.00                    | 270.57           |
| Metal   | 69.58           | 126.70          | 24.02                       | 10,700.95               | 10,921.25        |
| Paper   | 2,174.06        | 2,193.70        | 291.90                      | 9,914.66                | 14,574.32        |
| Plastic   | 86.37           | 5.67            | 6.77                        | 251.28                  | 350.09           |
| Banned Items  | 3,396.97        | 594.17          | 3.30                        | 368.89                  | 4,363.33         |
| Miscellaneous   | 11.94           | 29.38           | 20.88                       | 1,943.76                | 2,005.96         |
| <b>TOTAL</b>  | <b>5,999.59</b> | <b>2,949.62</b> | <b>356.77</b>               | <b>23,179.54</b>        | <b>32,485.52</b> |

## ORANGEBURG COUNTY

Population: 90,079

Drop-off Recycling Centers: 20

Curbside Recycling Programs: Municipalities of Bowman, Branchville, Elloree, Eutawville, Holly Hill, North and Orangeburg



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Orangeburg County recycled 26,397 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 17,835 households for one year; growing 3,562,496 tree seedlings for 10 years; or conserving 15,824,298 gallons of gasoline.

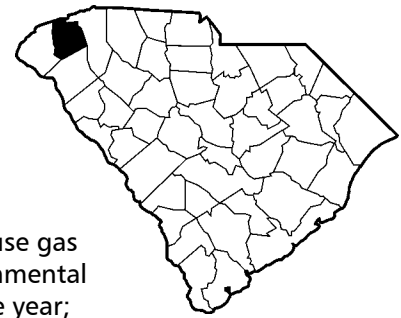
| <b>CHART 5.43: Orangeburg County MSW Recycling Data in Tons</b> |                 |                  |                             |                         |                  |
|---|-----------------|------------------|-----------------------------|-------------------------|------------------|
| COMMODITY   | RESIDENTIAL     | COMMERCIAL       | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
| Glass   | 8.10            | 0.00             | 0.00                        | 0.00                    | 8.10             |
| Metal   | 885.30          | 11,964.50        | 11.80                       | 265.00                  | 13,126.60        |
| Paper   | 137.79          | 1,192.96         | 175.50                      | 877.47                  | 2,383.72         |
| Plastic   | 13.61           | .50              | .13                         | 0.00                    | 14.24            |
| Banned Items  | 719.43          | 465.55           | 4.16                        | 1.00                    | 1,190.14         |
| Miscellaneous   | 13.49           | 1.87             | 1.48                        | 9,657.49                | 9,674.33         |
| <b>TOTAL</b>  | <b>1,777.72</b> | <b>13,625.38</b> | <b>193.07</b>               | <b>10,800.96</b>        | <b>26,397.13</b> |

## PICKENS COUNTY

Population: 112,475

Drop-off Recycling Centers: 36

Curbside Recycling Programs: **Municipalities of Central, Clemson, Easley, Liberty, Norris, Pickens and Six Mile**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Pickens County recycled 20,618 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 8,290 households for one year; growing 1,655,923 tree seedlings for 10 years; or conserving 7,355,467 gallons of gasoline.

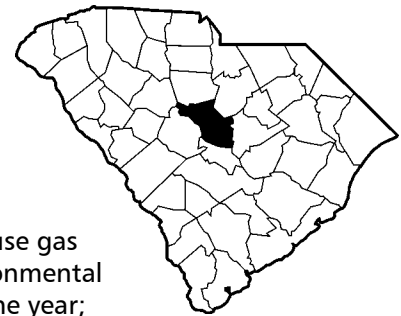
| <b>CHART 5.44: Pickens County MSW Recycling Data in Tons</b> |                  |                 |                             |                         |                  |
|--|------------------|-----------------|-----------------------------|-------------------------|------------------|
| COMMODITY  | RESIDENTIAL      | COMMERCIAL      | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
| Glass  | 492.75           | .20             | 6.60                        | .50                     | 500.05           |
| Metal  | 200.46           | 11.40           | 23.92                       | 3.35                    | 239.13           |
| Paper  | 4,205.13         | 4,098.64        | 578.00                      | 2,525.40                | 11,406.17        |
| Plastic  | 646.04           | 2.03            | 6.73                        | 0.00                    | 654.80           |
| Banned Items   | 6,611.27         | 698.34          | 5.32                        | 0.00                    | 7,314.93         |
| Miscellaneous  | 11.30            | 37.69           | 2.86                        | 451.51                  | 503.36           |
| <b>TOTAL</b>   | <b>12,166.95</b> | <b>4,848.30</b> | <b>623.43</b>               | <b>2,979.76</b>         | <b>20,618.44</b> |

## RICHLAND COUNTY

Population: 334,609

Drop-off Recycling Centers: 5

Curbside Recycling Programs: **Municipalities of Arcadia Lakes, Columbia, Eastover, Forest Acres, Irmo and unincorporated Richland County**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Richland County recycled 63,701 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 28,165 households for one year; growing 5,625,795 tree seedlings for 10 years; or conserving 24,989,294 gallons of gasoline.

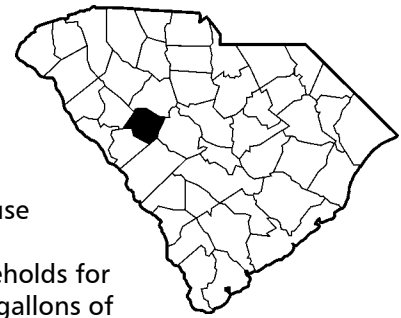
| <b>CHART 5.45: Richland County MSW Recycling Data in Tons</b> |                 |                  |                             |                         |                  |
|---|-----------------|------------------|-----------------------------|-------------------------|------------------|
| COMMODITY   | RESIDENTIAL     | COMMERCIAL       | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
| Glass   | 825.50          | 0.00             | .01                         | 0.00                    | 825.51           |
| Metal   | 625.70          | 388.61           | 219.95                      | 0.00                    | 1,234.26         |
| Paper   | 6,006.53        | 22,813.62        | 3,472.17                    | 0.00                    | 32,292.32        |
| Plastic   | 347.60          | 1,069.94         | 3.37                        | 0.00                    | 1,420.91         |
| Banned Items  | 1,692.37        | 25,266.26        | 446.19                      | 0.00                    | 27,404.82        |
| Miscellaneous   | 5.52            | 0.00             | 517.59                      | 0.00                    | 523.11           |
| <b>TOTAL</b>  | <b>9,503.22</b> | <b>49,538.43</b> | <b>4,659.28</b>             | <b>0.00</b>             | <b>63,700.93</b> |

## SALUDA COUNTY

Population: 18,870

Drop-off Recycling Centers: 7

Curbside Recycling Program: **Town of Saluda**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Saluda County recycled 1,335 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 696 households for one year; growing 138,957 tree seedlings for 10 years; or conserving 617,236 gallons of gasoline.

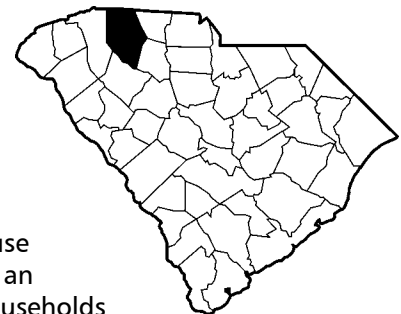
| <b>CHART 5.46: Saluda County MSW Recycling Data in Tons</b> |               |               |                             |                         |                 |
|---|---------------|---------------|-----------------------------|-------------------------|-----------------|
| COMMODITY   | RESIDENTIAL   | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
| Glass   | 0.00          | 0.00          | 0.00                        | 0.00                    | 0.00            |
| Metal   | 192.43        | 97.21         | 16.90                       | 6.25                    | 312.79          |
| Paper   | 207.82        | 33.00         | 53.96                       | 120.37                  | 415.15          |
| Plastic   | 21.14         | 0.00          | 3.17                        | 125.00                  | 149.31          |
| Banned Items  | 244.84        | 163.88        | 12.51                       | 6.60                    | 427.83          |
| Miscellaneous   | 2.00          | 2.60          | 1.98                        | 23.57                   | 30.15           |
| <b>TOTAL</b>  | <b>668.23</b> | <b>296.69</b> | <b>88.52</b>                | <b>281.79</b>           | <b>1,335.23</b> |

## SPARTANBURG COUNTY

Population: 264,230

Drop-off Centers: 22

Curbside Recycling Programs: **Municipalities of Campobello, Chesnee, Cowpens, Duncan, Inman, Landrum, Lyman, Pacolet and Spartanburg**



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Spartanburg County recycled 184,010 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 65,382 households for one year; growing 13,059,632 tree seedlings for 10 years; or conserving 58,009,757 gallons of gasoline.

| <b>CHART 5.47: Spartanburg County MSW Recycling Data in Tons</b> |                  |                  |                             |                         |                   |
|--|------------------|------------------|-----------------------------|-------------------------|-------------------|
| COMMODITY  | RESIDENTIAL      | COMMERCIAL       | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL             |
| Glass  | 545.01           | .50              | 0.00                        | 4.40                    | 549.91            |
| Metal  | 325.10           | 828.34           | 97.63                       | 4,738.29                | 5,989.36          |
| Paper  | 4,492.93         | 60,384.04        | 666.28                      | 34,325.53               | 99,868.78         |
| Plastic  | 263.77           | 55.61            | 2.27                        | 986.72                  | 1,308.37          |
| Banned Items   | 60,810.37        | 6,073.19         | 46.52                       | 265.60                  | 67,195.68         |
| Miscellaneous  | 0.00             | 1,875.46         | 30.96                       | 7,191.85                | 9,098.27          |
| <b>TOTAL</b>   | <b>66,437.18</b> | <b>69,217.14</b> | <b>843.66</b>               | <b>47,512.39</b>        | <b>184,010.37</b> |



## SUMTER COUNTY

Population: 105,943

Drop-off Recycling Centers: 13

Curbside Recycling Program: City of Sumter



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Sumter County recycled 15,250 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 6,623 households for one year; growing 1,322,821 tree seedlings for 10 years; or conserving 5,875,854 gallons of gasoline.

**CHART 5.48: Sumter County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL     | COMMERCIAL      | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
|---------------|-----------------|-----------------|-----------------------------|-------------------------|------------------|
| Glass         | 355.20          | 0.00            | 0.00                        | 0.00                    | 355.20           |
| Metal         | 401.06          | 0.00            | 38.91                       | 0.00                    | 439.97           |
| Paper         | 5,402.73        | 98.60           | 79.53                       | 895.39                  | 6,476.25         |
| Plastic       | 306.89          | 0.00            | .63                         | 779.42                  | 1,086.94         |
| Banned Items  | 1,619.56        | 2,631.20        | 4.54                        | .48                     | 4,255.78         |
| Miscellaneous | 19.66           | 2,039.98        | 1.92                        | 574.55                  | 2,636.11         |
| <b>TOTAL</b>  | <b>8,105.10</b> | <b>4,769.78</b> | <b>125.53</b>               | <b>2,249.84</b>         | <b>15,250.25</b> |

## UNION COUNTY

Population: 28,862

Drop-off Recycling Centers: 11

Curbside Recycling Program: City of Union



Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Union County recycled 1,988 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 1,461 households for one year; growing 291,735 tree seedlings for 10 years; or conserving 1,295,862 gallons of gasoline.

**CHART 5.49: Union County MSW Recycling Data in Tons**

| COMMODITY     | RESIDENTIAL     | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
|---------------|-----------------|---------------|-----------------------------|-------------------------|-----------------|
| Glass         | 37.81           | 0.00          | 0.00                        | 0.00                    | 37.81           |
| Metal         | 1148.36         | 0.00          | 11.80                       | 0.00                    | 1,160.16        |
| Paper         | 580.80          | 0.00          | 14.40                       | 0.00                    | 595.20          |
| Plastic       | 15.17           | 0.00          | .13                         | 0.00                    | 15.30           |
| Banned Items  | 47.62           | 124.00        | 4.16                        | 0.00                    | 175.78          |
| Miscellaneous | 2.00            | 0.00          | 1.48                        | 0.00                    | 3.48            |
| <b>TOTAL</b>  | <b>1,831.76</b> | <b>124.00</b> | <b>31.97</b>                | <b>0.00</b>             | <b>1,987.73</b> |

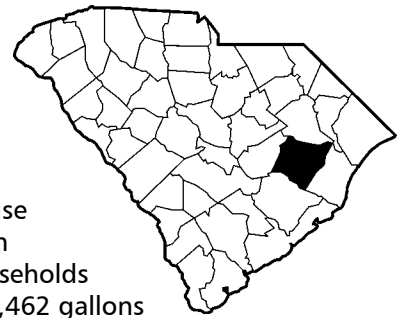
## WILLIAMSBURG COUNTY

Population: **35,372**

Drop-off Recycling Centers: **20**

Curbside Recycling Programs: **Towns of Hemingway and Kingstree**

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. Williamsburg County recycled 3,350 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 1,717 households for one year; growing 342,974 tree seedlings for 10 years; or conserving 1,523,462 gallons of gasoline.



| <b>CHART 5.50: Williamsburg County MSW Recycling Data in Tons</b> |               |               |                             |                         |                 |
|---|---------------|---------------|-----------------------------|-------------------------|-----------------|
| COMMODITY   | RESIDENTIAL   | COMMERCIAL    | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL           |
| Glass   | 0.00          | 0.00          | 0.00                        | 0.00                    | 0.00            |
| Metal   | 175.13        | 0.00          | 23.91                       | 238.43                  | 437.47          |
| Paper   | 132.20        | 0.00          | 74.40                       | 1,732.74                | 1,939.34        |
| Plastic   | 0.00          | 0.00          | .38                         | 9.80                    | 10.18           |
| Banned Items  | 552.05        | 152.00        | 4.16                        | 8.26                    | 716.47          |
| Miscellaneous   | 0.00          | 0.00          | 1.48                        | 245.11                  | 246.59          |
| <b>TOTAL</b>  | <b>859.38</b> | <b>152.00</b> | <b>104.33</b>               | <b>2,234.34</b>         | <b>3,350.05</b> |

## YORK COUNTY

Population: **183,762**

Drop-off Recycling Centers: **23**

Curbside Recycling Programs: **Municipalities of Clover, Fort Mill, River Hills, Rock Hill, Tega Cay and York**

Waste prevention and recycling can result in significant reductions in greenhouse gas emissions. York County recycled 52,996 tons of MSW resulting in an environmental impact equivalent to: eliminating electricity usage by 23,396 households for one year; growing 4,673,214 tree seedlings for 10 years; or conserving 20,758,011 gallons of gasoline.



| <b>CHART 5.51: York County MSW Recycling Data in Tons</b> |                  |                 |                             |                         |                  |
|---|------------------|-----------------|-----------------------------|-------------------------|------------------|
| COMMODITY   | RESIDENTIAL      | COMMERCIAL      | INSTITUTIONAL/<br>NONPROFIT | INDUSTRIAL<br>PACKAGING | TOTAL            |
| Glass   | 585.34           | 14.00           | 1.00                        | 600.00                  | 1,200.34         |
| Metal   | 2,419.00         | 30.12           | 60.41                       | 6,376.33                | 8,885.86         |
| Paper   | 5,824.49         | 1,109.65        | 132.36                      | 7,002.20                | 14,068.70        |
| Plastic   | 489.80           | 17.36           | 5.70                        | 241.97                  | 754.83           |
| Banned Items  | 9,647.00         | 4,312.88        | 17.79                       | 12,570.67               | 26,548.34        |
| Miscellaneous   | 48.13            | 151.66          | 179.98                      | 1,158.41                | 1,538.18         |
| <b>TOTAL</b>  | <b>19,013.76</b> | <b>5,635.67</b> | <b>397.24</b>               | <b>27,949.58</b>        | <b>52,996.25</b> |

## AT A GLANCE: **FULL-COST DISCLOSURE**

County and local governments that provide solid waste services to residents are required by the S.C. Solid Waste Policy and Management Act of 1991 to report the cost per person of those services – also known as full-cost. In other words, it is the local government’s total cost for operating a solid waste program. These costs can include equipment, labor and overhead, employee benefits and disposal site preparation, to name a few.

The counties and municipalities must complete and submit a full-cost disclosure report to DHEC annually for the previous FY. Full-cost reports from 187 counties and municipalities were received for FY05 (see Chart 5.53).

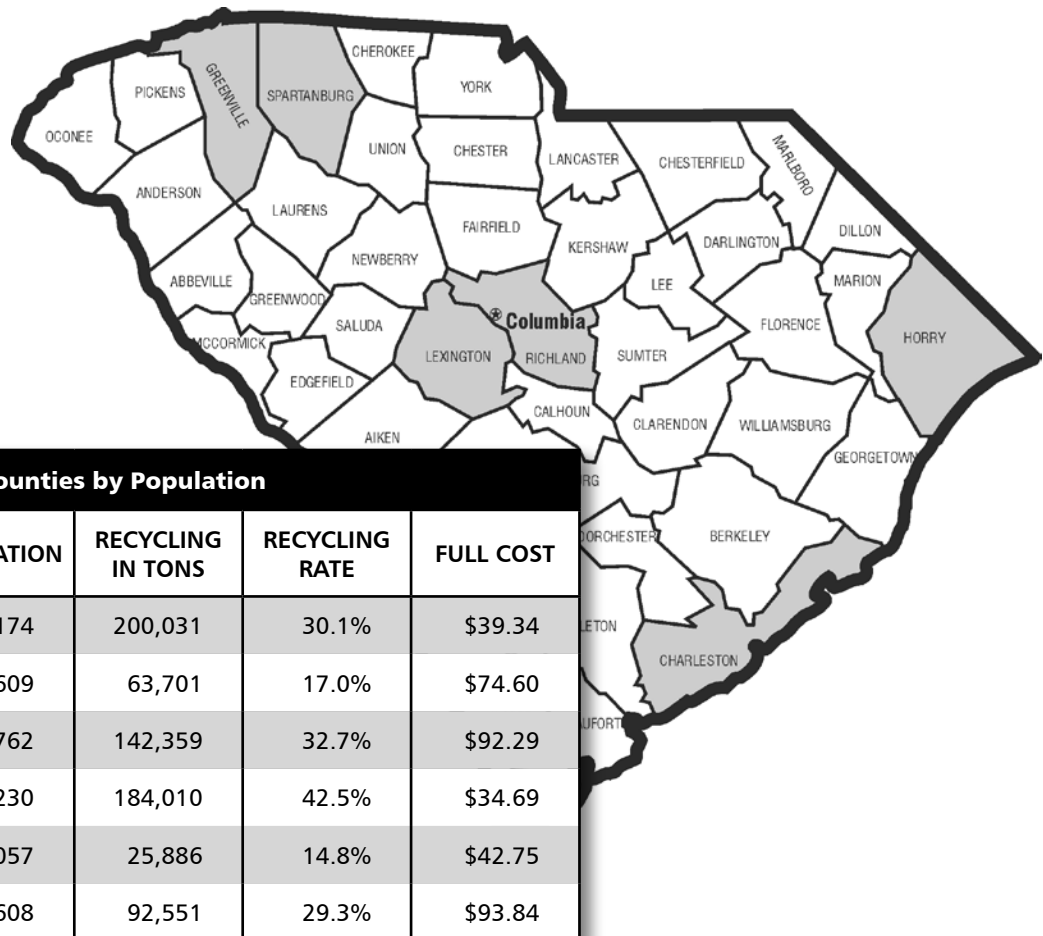
The annual cost for providing solid waste services in South Carolina during FY05 ranged from \$22.20 per person to \$101.60 per person. In FY04, local governments reported spending between \$10.02 per person and \$118.29 per person. The average

per capita cost for solid waste services in FY05 was \$60.45; a \$3.57 increase from FY04. Nearly \$254 million was spent on solid waste services in FY05.

It also is worth comparing the recycling efforts of the top six counties, by population, as well as their full-cost numbers. Greenville, Richland, Charleston, Spartanburg, Lexington and Horry counties make up nearly 58 percent or 708,538 tons of the total amount of MSW recycled in South Carolina in FY05.

Chart 5.52 shows that counties with large populations do not necessarily correlate directly with increased recycling efforts. In other words, large numbers of people do not mean increased recycling tonnages, percentage rates or high program costs.

Please note that full-cost data includes information from municipalities located within the county and is not necessarily representative of the county’s own recycling program.



**CHART 5.53: Full Cost Disclosure**

| COUNTY             | TOTAL NET COST<br>IN DOLLARS | POPULATION       | COST<br>PER CAPITA | MUNICIPALITIES<br>REPORTING |
|--------------------|------------------------------|------------------|--------------------|-----------------------------|
| Abbeville          | \$1,805,339                  | 26,308           | \$68.62            | 3                           |
| Aiken              | \$9,133,630                  | 148,960          | \$61.32            | 6                           |
| Allendale          | \$313,843                    | 11,061           | \$28.37            | 0                           |
| Anderson           | \$7,831,695                  | 173,550          | \$45.13            | 5                           |
| Bamberg            | \$1,176,177                  | 15,952           | \$73.73            | 4                           |
| Barnwell           | \$1,462,777                  | 23,404           | \$62.50            | 4                           |
| Beaufort           | \$6,563,027                  | 135,725          | \$48.36            | 2                           |
| Berkeley           | \$8,441,175                  | 149,668          | \$56.40            | 4                           |
| Calhoun            | \$925,316                    | 15,287           | \$60.53            | 2                           |
| Charleston         | \$30,157,326                 | 326,762          | \$92.29            | *8                          |
| Cherokee           | \$2,649,227                  | 53,782           | \$49.26            | 2                           |
| Chester            | \$2,209,225                  | 33,563           | \$65.82            | 2                           |
| Chesterfield       | \$1,403,113                  | 43,289           | \$32.41            | 5                           |
| Clarendon          | \$2,140,855                  | 33,157           | \$64.57            | 3                           |
| Colleton           | \$2,323,127                  | 39,595           | \$58.67            | 2                           |
| Darlington         | \$3,033,053                  | 67,577           | \$44.88            | 3                           |
| Dillon             | \$2,314,822                  | 31,289           | \$73.98            | 2                           |
| Dorchester         | \$6,495,653                  | 107,004          | \$60.70            | 3                           |
| Edgefield          | \$1,244,038                  | 24,794           | \$50.17            | 2                           |
| Fairfield          | \$2,452,751                  | 24,142           | \$101.60           | 2                           |
| Florence           | \$8,064,924                  | 129,679          | \$62.19            | 6                           |
| Georgetown         | \$5,997,931                  | 59,790           | \$100.32           | 3                           |
| Greenville         | \$15,784,133                 | 401,174          | \$39.34            | 5                           |
| Greenwood          | \$4,759,942                  | 67,519           | \$70.50            | 2                           |
| Hampton            | \$1,567,422                  | 21,301           | \$73.58            | 4                           |
| Horry              | \$20,419,304                 | 217,608          | \$93.84            | 7                           |
| Jasper             | \$895,915                    | 21,193           | \$42.27            | 0                           |
| Kershaw            | \$2,932,988                  | 55,491           | \$52.86            | 2                           |
| Lancaster          | \$2,477,852                  | 63,135           | \$39.25            | 2                           |
| Laurens            | \$2,189,326                  | 70,218           | \$31.18            | 1                           |
| Lee                | \$971,859                    | 20,500           | \$47.41            | 1                           |
| Lexington          | \$9,876,744                  | 231,057          | \$42.75            | 6                           |
| Marion             | \$3,174,901                  | 35,086           | \$90.49            | 2                           |
| Marlboro           | \$624,938                    | 28,147           | \$22.20            | 2                           |
| McCormick          | \$389,954                    | 10,133           | \$38.48            | 1                           |
| Newberry           | \$3,369,894                  | 37,209           | \$90.57            | 3                           |
| Oconee             | \$4,990,531                  | 69,057           | \$72.27            | 3                           |
| Orangeburg         | \$5,107,168                  | 90,779           | \$56.26            | 2                           |
| Pickens            | \$5,078,543                  | 112,475          | \$45.15            | 6                           |
| Richland           | \$24,963,436                 | 334,609          | \$74.60            | 3                           |
| Saluda             | \$540,105                    | 18,870           | \$28.62            | 2                           |
| Spartanburg        | \$9,165,214                  | 264,230          | \$34.69            | 10                          |
| Sumter             | \$8,955,532                  | 105,943          | \$84.53            | 2                           |
| Union              | \$1,557,554                  | 28,862           | \$53.97            | 4                           |
| Williamsburg       | \$1,251,243                  | 35,372           | \$35.37            | 2                           |
| York               | \$14,581,843                 | 183,762          | \$79.35            | 4                           |
| <b>STATE TOTAL</b> | <b>\$253,765,359</b>         | <b>4,198,068</b> | <b>\$60.45</b>     | <b>141</b>                  |

\*The City of Charleston did not report and their numbers are not reflected in Charleston County's totals.



# DISPOSAL DATA

The measurement of solid waste activities in South Carolina focuses primarily on municipal solid waste (MSW) as required by the S.C. Solid Waste Policy and Management Act of 1991 (Act). MSW, however, is narrowly defined and as such is only part of the picture. Measuring the total amount of solid waste generated (recycled + disposed of) offers – in some ways – a much more realistic picture.

This section focuses on disposal for both MSW and total solid waste. It has been expanded in several ways to provide local governments, and in particular solid waste planners, more specific information as it relates to the county's solid waste plan. This section addresses different types of waste that are disposed of including, of course, MSW as well as the total solid waste components: construction and demolition (C&D) debris; land-clearing debris (LCD); industrial solid waste (ISW); and ash. This section also has been expanded to include charts that address disposal data several ways including by facility and origin, type of waste as well as the amount of material generated for disposal for use in demonstrating need for MSW, C&D and ISW landfills.

South Carolinians disposed of more than 3.4 million tons of MSW in fiscal year 2005 (FY05) – an increase of about 107,000 tons from FY04. Each resident disposed of about 4.5 pounds per person per day (p/p/d). That figure – which is about one-tenth of a pound more than FY04 – remains about 1 pound more than the state's disposal goal of 3.5 pounds.

Disposal figures are reported annually to the S.C. Department of Health and Environmental Control (DHEC) by permitted solid waste facilities whether publicly or privately owned. In FY05, there were 408 permitted solid waste facilities in South Carolina. Overall, there are 19 types of facilities, but only three handle MSW – MSW transfer stations; MSW incinerators; and MSW landfills.

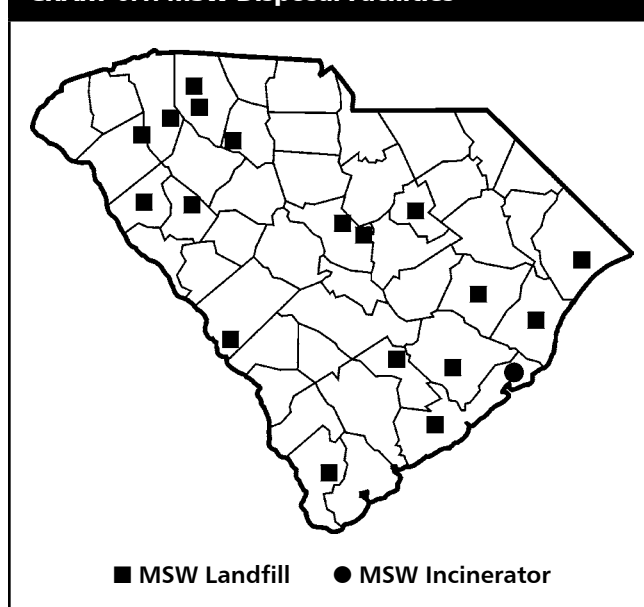
There were 33 permitted MSW transfer stations operating in FY05. A transfer station, as defined by the Act, is a combination of structures, machinery or devices at a facility where solid waste is taken from collection vehicles and placed in other transportation

units, with or without reduction in volume, for movement to another solid waste management facility.

There was one MSW incinerator – Montenay Charleston Resource Recovery – operating in FY05. At that facility, 227,031 tons of MSW were burned for energy recovery. As a result of that incineration, 55,742 tons of ash were generated and disposed of in the Oakridge MSW landfill in Dorchester County.

And there were 18 permitted MSW landfills operating in FY05. (See Charts 6.1 through 6.3 for details.) Local governments own 10 of the MSW landfills and eight are privately owned. MSW landfills, by law, must meet minimum criteria for siting, design, construction, operation and post-closure. All new MSW landfills and expansions to current landfills must comply with the federal Resource Conservation Recovery Act (RCRA) Subtitle D requirements. Two of the MSW landfills (Bees Ferry MSW Landfill in Charleston County and Williamsburg County MSW Landfill) continued to operate under DHEC consent orders. The consent orders allow both landfills to continue accepting MSW for disposal despite the fact neither landfill meets RCRA Subtitle D requirements.

**CHART 6.1: MSW Disposal Facilities**



It is important to note that MSW landfills accept waste other than MSW. About 5.9 million tons of solid waste – which includes C&D debris, imported solid waste, ISW and MSW – was disposed of in the 18 MSW landfills. That total reflects virtually no change from the previous FY.

The majority of solid waste disposed of in South Carolina was disposed of in privately owned MSW landfills. In FY05, MSW landfill owners/operators reported more than 4.6 million tons of solid waste being disposed of in the eight privately owned MSW landfills. In addition, three of those private MSW landfills (Lee County Landfill, Palmetto Landfill and Richland Landfill) accepted 50 percent of the solid waste that was disposed of in the state’s MSW landfills. About 1.3 million tons of solid waste were disposed of in the state’s publicly owned MSW landfills in FY05 – a slight decrease from the 1.4 million tons in FY04.

Tipping fees – the fees charged to dispose of solid waste at a landfill – were provided on the MSW landfill reports submitted to DHEC. While tipping fee data is incomplete – only a portion of the facilities reported this number – it is worth noting that in FY05 the average MSW landfill tipping fee was \$35 per ton.

More than 1.5 million tons of the 5.9 million tons of solid waste disposed of in MSW landfills in South Carolina was imported from nine states: California; Delaware; Georgia; Massachusetts; Mississippi; New Jersey; North Carolina; Tennessee; and Texas. Overall, the amount of waste imported into South Carolina in FY05 reflects a slight decrease from the previous FY. Imported solid waste, of which the majority is MSW, is not calculated into the state’s recycling and disposal rates. Imported solid waste, however, impacts the state’s landfill capacity. Seven South Carolina counties – Anderson, Chester, Lancaster, Oconee, Pickens, Spartanburg and York – exported 134,446 tons of MSW.

## Classifications for C&D and LCD Landfills

There are four types of Construction and Demolition (C&D) and Land-Clearing Debris (LCD) Landfills: Part I Short-Term Landfills; Part II LCD and Yard Trash Landfills; Part III C&D Landfills that serve utility facilities and manufacturing firms; and Part IV Long-Term Landfills.

Except for Part II Landfills, C&D landfills accept various types of construction and demolition wastes that have not come in contact with hazardous constituents such as lead-based paint, friable asbestos, petroleum products, polychlorinated biphenyls (PCBs), solvents and preservatives.

- **Part I Short-Term Landfills** – These landfills have a proposed life of 12 months or less, occupy one acre in size or less and can only accept land-clearing debris, hardened concrete, hardened/cured asphalt, bricks and block.
- **Part II LCD and Yard Trash Landfills** – These landfills are used solely for the disposal of trees, stumps, wood chips, and yard trash that is generated by land-clearing activities, storm events and natural disasters (e.g., hurricanes and tornadoes). These landfills are limited to structural fill with a projected beneficial end use.
- **Part III C&D Landfills** – These are private landfills with controlled access that serve permanently located utility facilities and manufacturing firms. They may use certain solid waste that is generated on-site for structural fill.
- **Part IV Long-Term Landfills** – This classification includes all landfills not addressed in Parts I, II or III above.

Overall, there were 142 construction, demolition and land-clearing debris landfills in the state in FY05. See Chart 6.6 on page 61 for more details on construction and demolition debris as well as land-clearing debris disposal in FY05.

**CHART 6.2: MSW Landfills (MSWLF), Remaining Capacity & Disposal in Tons**

| NAME OF MSWLF               | COUNTY       | PERMITTED ANNUAL RATE OF DISPOSAL | FY05 DISPOSAL    | ESTIMATED REMAINING CAPACITY OF FACILITY | ESTIMATED REMAINING LIFE OF FACILITY BASED ON PERMITTED DISPOSAL RATE IN YEARS | ESTIMATED REMAINING LIFE OF FACILITY BASED ON CURRENT DISPOSAL RATE IN YEARS |
|-----------------------------|--------------|-----------------------------------|------------------|--|--|--|
| Abbeville County MSWLF      | Abbeville    | 46,000                            | 17,430           | 389,901                                  | 8.5  | 22.4   |
| Anderson Regional Landfill  | Anderson     | 438,000                           | 369,695          | 8,433,552                                | 19.3   | 22.8   |
| Berkeley County MSWLF       | Berkeley     | 1,000,000                         | 156,546          | 4,612,048                                | 4.6  | 29.5   |
| Bees Ferry Road MSWLF       | Charleston   | 150,000                           | 125,452          | 178,750                                  | 1.2  | 1.4  |
| Enoree Phase II MSWLF       | Greenville   | 243,750                           | 233,487          | 321,154                                  | 1.3  | 1.4  |
| Georgetown County MSWLF     | Georgetown   | 79,582                            | 48,673           | 1,705,000                                | 21.4   | 35.0   |
| Greenwood County MSWLF      | Greenwood    | 114,000                           | 103,385          | 5,339,266                                | 46.8   | 51.6   |
| Hickory Hill MSWLF          | Jasper       | 302,000                           | 233,348          | 5,070,000                                | 16.8   | 21.7   |
| Horry County MSWLF          | Horry        | 250,000                           | 222,819          | 3,509,895                                | 14.0   | 15.8   |
| Lee County Landfill, LLC    | Lee          | 1,944,939                         | 1,203,243        | 29,082,434                               | 15.0   | 24.2   |
| Northeast Landfill, LLC     | Richland     | 218,400                           | 109,958          | 255,725                                  | 1.2  | 2.3  |
| Oakridge MSWLF              | Dorchester   | 1,144,000                         | 482,293          | 9,140,590                                | 8.0  | 19.0   |
| Palmetto MSWLF              | Spartanburg  | 1,200,000                         | 1,070,196        | 4,004,807                                | 3.3  | 3.7  |
| Richland Landfill, Inc.     | Richland     | 655,000                           | 636,102          | 6,673,372                                | 10.2   | 10.5   |
| Three Rivers MSWLF          | Aiken        | 500,000                           | 268,746          | 18,578,154                               | 37.2   | 69.1   |
| Union County Regional MSWLF | Union        | 730,000                           | 456,701          | 8,329,600                                | 11.4   | 18.2   |
| Wellford MSWLF              | Spartanburg  | 150,000                           | 111,974          | 279,345                                  | 1.9  | 2.5  |
| Williamsburg County MSWLF   | Williamsburg | 35,000                            | 19,139           | 135,556                                  | 3.9  | 7.1  |
| <b>STATE TOTALS</b>         | —            | <b>9,200,671</b>                  | <b>5,869,185</b> | <b>106,039,149</b>                       | <b>11.5</b>  | <b>18.1</b>  |



**CHART 6.3: MSW Landfill Disposal by Facility and County or State of Origin in Tons**

| FACILITY & COUNTY OR STATE OF ORIGIN | ABBEVILLE COUNTY SUBTITLE D LANDFILL | ANDERSON REGIONAL LANDFILL, LLC | BEE'S FERRY ROAD MSW LANDFILL | BERKELEY COUNTY SUBTITLE D LANDFILL | ENOREE PHASE II MSW LANDFILL | GEORGETOWN COUNTY MSW LANDFILL | GREENWOOD COUNTY MSW LANDFILL | HICKORY HILL MSW LANDFILL | HORRY COUNTY SUBTITLE D LANDFILL | LEE COUNTY LANDFILL S.C., LLC | NORTHEAST LANDFILL, LLC | OAKRIDGE MSW LANDFILL | PALMETTO MSW LANDFILL | RICHLAND LANDFILL INC. | THREE RIVERS MSW LANDFILL | UNION COUNTY MSW LANDFILL | WELLFORD MSW LANDFILL | WILLIAMSBURG COUNTY MSW LANDFILL | TOTAL AMOUNT OF SOLID WASTE LANDFILLED IN S.C. MSWLF'S BY ORIGIN OF WASTE | S.C. SOLID WASTE EXPORTED FOR DISPOSAL OUT OF STATE |
|--------------------------------------|--------------------------------------|---------------------------------|-------------------------------|-------------------------------------|------------------------------|--------------------------------|-------------------------------|---------------------------|----------------------------------|-------------------------------|-------------------------|-----------------------|-----------------------|------------------------|---------------------------|---------------------------|-----------------------|----------------------------------|---|---|
| Aiken                                | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 32                            | 0                       | 224                   | 0                     | 680                    | 122,625                   | 0                         | 0                     | 0                                | 123,561   | 0   |
| Allendale                            | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 0                             | 0                       | 0                     | 0                     | 0                      | 6,651                     | 0                         | 0                     | 0                                | 6,651   | 0   |
| Anderson                             | 0                                    | 114,979                         | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 0                             | 0                       | 0                     | 16,022                | 3                      | 0                         | 104                       | 0                     | 0                                | 131,108   | 1,780   |
| Bamberg                              | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 7                             | 0                       | 295                   | 0                     | 0                      | 0                         | 0                         | 0                     | 0                                | 302   | 0   |
| Barnwell                             | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 0                             | 0                       | 52                    | 0                     | 194                    | 3,287                     | 0                         | 0                     | 0                                | 3,533   | 0   |
| Beaufort                             | 0                                    | 0                               | 0                             | 43                                  | 0                            | 0                              | 0                             | 181,619                   | 0                                | 0                             | 2                       | 172                   | 0                     | 13                     | 0                         | 0                         | 0                     | 0                                | 181,849   | 0   |
| Berkeley                             | 0                                    | 0                               | 0                             | 155,254                             | 0                            | 0                              | 0                             | 0                         | 0                                | 0                             | 0                       | 145,227               | 0                     | 0                      | 0                         | 0                         | 0                     | 0                                | 300,480   | 0   |
| Calhoun                              | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 0                             | 5,461                   | 18                    | 0                     | 56                     | 1,092                     | 0                         | 0                     | 0                                | 6,627   | 0   |
| Charleston                           | 0                                    | 0                               | 125,452                       | 1,051                               | 0                            | 0                              | 0                             | 0                         | 0                                | 93                            | 0                       | 116,564               | 92                    | 19                     | 0                         | 0                         | 0                     | 0                                | 243,271   | 0   |
| Cherokee                             | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 0                             | 0                       | 11                    | 25,151                | 8                      | 0                         | 0                         | 0                     | 0                                | 25,169  | 0   |
| Chester                              | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 20                            | 261                     | 0                     | 115                   | 17,291                 | 0                         | 2,703                     | 0                     | 20,390                           | 3,487   |   |
| Chesterfield                         | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 18,109                        | 0                       | 10                    | 0                     | 848                    | 0                         | 0                         | 0                     | 0                                | 18,967  | 0   |
| Clarendon                            | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 2,243                         | 0                       | 6                     | 0                     | 8                      | 0                         | 0                         | 0                     | 0                                | 2,258   | 0   |
| Colleton                             | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 0                             | 0                       | 22,233                | 0                     | 13                     | 0                         | 0                         | 0                     | 0                                | 22,246  | 0   |
| Darlington                           | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 18,600                        | 0                       | 6                     | 25                    | 10                     | 0                         | 0                         | 0                     | 0                                | 18,640  | 0   |
| Dillon                               | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 3,549                         | 0                       | 87                    | 0                     | 8                      | 0                         | 0                         | 0                     | 0                                | 3,643   | 0   |
| Dorchester                           | 0                                    | 0                               | 0                             | 109                                 | 0                            | 0                              | 0                             | 0                         | 0                                | 3                             | 0                       | 122,481               | 0                     | 1                      | 0                         | 0                         | 0                     | 0                                | 122,594   | 0   |
| Edgefield                            | 13                                   | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 0                             | 0                       | 35                    | 0                     | 4                      | 12                        | 0                         | 0                     | 0                                | 64  | 0   |
| Fairfield                            | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 12                            | 1,007                   | 0                     | 0                     | 1,591                  | 0                         | 0                         | 0                     | 0                                | 2,610   | 0   |
| Florence                             | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 57,619                        | 46                      | 0                     | 0                     | 330                    | 0                         | 0                         | 0                     | 0                                | 57,994  | 0   |
| Georgetown                           | 0                                    | 0                               | 0                             | 73                                  | 0                            | 48,587                         | 0                             | 0                         | 57                               | 235                           | 0                       | 1,753                 | 0                     | 3                      | 0                         | 0                         | 0                     | 0                                | 50,709  | 0   |
| Greenville                           | 0                                    | 87,257                          | 0                             | 0                                   | 227,211                      | 0                              | 0                             | 0                         | 0                                | 0                             | 0                       | 0                     | 135,571               | 313                    | 0                         | 177,439                   | 0                     | 0                                | 627,792   | 0   |
| Greenwood                            | 655                                  | 11,460                          | 0                             | 0                                   | 0                            | 0                              | 103,385                       | 0                         | 0                                | 0                             | 0                       | 0                     | 974                   | 10                     | 0                         | 3,836                     | 0                     | 0                                | 120,320   | 0   |
| Hampton                              | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 13,609                    | 0                                | 9                             | 0                       | 3,385                 | 0                     | 9                      | 0                         | 0                         | 0                     | 0                                | 17,013  | 0   |
| Horry                                | 0                                    | 0                               | 0                             | 2                                   | 0                            | 86                             | 0                             | 189,163                   | 0                                | 6                             | 0                       | 7                     | 0                     | 73                     | 0                         | 0                         | 0                     | 0                                | 189,336   | 0   |
| Jasper                               | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 22,100                    | 0                                | 0                             | 0                       | 0                     | 0                     | 0                      | 0                         | 0                         | 0                     | 0                                | 22,100  | 0   |
| Kershaw                              | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 15,736                        | 2,050                   | 0                     | 0                     | 26,447                 | 0                         | 0                         | 0                     | 0                                | 44,233  | 0   |
| Lancaster                            | 0                                    | 0                               | 0                             | 0                                   | 0                            | 0                              | 0                             | 0                         | 0                                | 14,921                        | 302                     | 0                     | 10                    | 172                    | 0                         | 0                         | 0                     | 0                                | 15,404  | 6,920   |



**CHART 6.4: Total Solid Waste Disposed in MSW Landfills, MSW Incinerators and Exported in Tons (by Type of Waste)**

| COUNTY   | RESIDENTIAL (LANDFILLED + INCINERATED + EXPORTED) | COMMERCIAL (LANDFILLED + EXPORTED) | INDUSTRIAL – OFFICE/PACKAGING (LANDFILLED + EXPORTED) | ASH    | C&D DEBRIS (LANDFILLED + INCINERATED) | INDUSTRIAL PROCESS WASTE | PROCESSED WASTE TIRES | NATURAL DISASTER DEBRIS | OTHER  | TOTAL SW LANDFILLED IN MSWLFs, INCINERATED & EXPORTED FOR DISPOSAL | “DEFINED MSW” LANDFILLED IN MSWLFs, INCINERATED & EXPORTED FOR DISPOSAL |
|--|---|------------------------------------|---|--------|---------------------------------------|--------------------------|-----------------------|-------------------------|--------|--|---|
| Abbeville  | 9,928   | 4,186                              | 1,583   | 0      | 0                                     | 0                        | 0                     | 0                       | 139    | 15,836   | 15,697  |
| Aiken  | 78,572  | 30,898                             | 419   | 0      | 0                                     | 21,158                   | 0                     | 0                       | 239    | 131,285  | 109,888   |
| Allendale  | 5,283   | 508                                | 0   | 0      | 0                                     | 1,200                    | 0                     | 0                       | 0      | 6,990  | 5,790   |
| Anderson (includes 1,780 tons of exported waste) | 101,325   | 32,276                             | 2,157   | 0      | 13,620                                | 9,083                    | 0                     | 0                       | 3,150  | 161,610  | 135,757   |
| Barnberg   | 10,100  | 897                                | 0   | 0      | 0                                     | 0                        | 0                     | 0                       | 284    | 11,280   | 10,997  |
| Barnwell   | 13,752  | 3,820                              | 0   | 0      | 0                                     | 2,528                    | 0                     | 0                       | 29     | 20,128   | 17,572  |
| Beaufort   | 61,379  | 81,922                             | 0   | 0      | 28,317                                | 2,144                    | 0                     | 0                       | 16,927 | 190,689  | 143,300   |
| Berkeley   | 70,646  | 34,611                             | 0   | 0      | 37                                    | 131,032                  | 0                     | 3,870                   | 60,285 | 300,480  | 105,257   |
| Calhoun  | 4,289   | 3,849                              | 0   | 0      | 25                                    | 3,950                    | 0                     | 0                       | 31     | 12,143   | 8,138   |
| Charleston                                       | 273,000   | 20,073                             | 0   | 56,533 | 60,759                                | 8,982                    | 0                     | 0                       | 50,954 | 470,301  | 293,073   |
| Cherokee   | 18,400  | 14,907                             | 13,135  | 0      | 51                                    | 24,653                   | 0                     | 0                       | 0      | 71,145   | 46,442  |
| Chester (includes 3,487 tons exported waste)     | 17,457  | 1,282                              | 275   | 1,219  | 0                                     | 17,289                   | 261                   | 0                       | 65     | 37,847   | 19,014  |
| Chesterfield                                     | 14,517  | 2                                  | 705   | 0      | 0                                     | 4,837                    | 0                     | 0                       | 147    | 20,206   | 15,223  |
| Clarendon  | 5,854   | 1,368                              | 0   | 0      | 0                                     | 881                      | 0                     | 0                       | 9      | 8,112  | 7,222   |
| Colleton   | 202   | 20,039                             | 9   | 0      | 471                                   | 13,601                   | 0                     | 0                       | 3,778  | 38,100   | 20,250  |
| Darlington                                       | 36,286  | 12,033                             | 5   | 0      | 3                                     | 3,196                    | 0                     | 0                       | 300    | 51,823   | 48,324  |
| Dillon   | 30,773  | 59                                 | 0   | 0      | 28                                    | 3,549                    | 0                     | 0                       | 8      | 34,416   | 30,831  |
| Dorchester                                       | 831   | 81,276                             | 0   | 0      | 23,425                                | 2,716                    | 0                     | 0                       | 14,346 | 122,594  | 82,106  |
| Edgefield  | 10,031  | 2,964                              | 0   | 0      | 0                                     | 396                      | 0                     | 0                       | 15     | 13,406   | 12,995  |
| Fairfield  | 19,370  | 2,164                              | 41  | 0      | 0                                     | 179                      | 0                     | 0                       | 226    | 21,981   | 21,576  |
| Florence   | 126,278   | 210                                | 118   | 0      | 48                                    | 28,038                   | 0                     | 0                       | 181    | 154,874  | 126,607   |
| Georgetown                                       | 26,035  | 19,399                             | 0   | 0      | 201                                   | 505                      | 0                     | 0                       | 4,568  | 50,709   | 45,435  |
| Greenville                                       | 185,948   | 266,688                            | 31,862  | 0      | 38,518                                | 113,759                  | 0                     | 0                       | 56,474 | 673,249  | 464,497   |
| Greenwood  | 26,054  | 46,059                             | 12  | 0      | 557                                   | 4,798                    | 0                     | 0                       | 42,841 | 120,320  | 72,125  |
| Hampton  | 60  | 17,512                             | 0   | 0      | 45                                    | 3,425                    | 0                     | 0                       | 1,950  | 22,991   | 17,572  |
| Horry  | 76,993  | 145,854                            | 0   | 0      | 0                                     | 7                        | 0                     | 0                       | 80     | 222,935  | 222,847   |
| Jasper   | 9,180   | 11,486                             | 0   | 0      | 3,736                                 | 5                        | 0                     | 0                       | 979    | 25,385   | 20,666  |

|  |                  |                  |                |               |                |                |            |              |                |                  |                  |
|--|------------------|------------------|----------------|---------------|----------------|----------------|------------|--------------|----------------|------------------|------------------|
| Kershaw  | 25,341           | 8,066            | 150            | 0             | 2,041          | 8,539          | 0          | 0            | 96             | 44,233           | 33,557           |
| Lancaster (includes 6,920 tons exported waste) | 31,075           | 43               | 26             | 0             | 0              | 394            | 0          | 0            | 24             | 31,561           | 31,143           |
| Laurens  | 0                | 42,171           | 112            | 0             | 0              | 30,807         | 0          | 0            | 0              | 73,090           | 42,283           |
| Lee  | 11,976           | 0                | 0              | 0             | 194            | 3,232          | 0          | 0            | 23             | 15,425           | 11,976           |
| Lexington                                      | 100,889          | 47,240           | 623            | 0             | 1,029          | 19,059         | 0          | 0            | 2,853          | 171,692          | 148,752          |
| Marion   | 12,393           | 7                | 0              | 0             | 0              | 1,929          | 0          | 0            | 51             | 14,380           | 12,400           |
| Marlboro                                       | 11,604           | 0                | 0              | 0             | 0              | 335            | 0          | 0            | 65             | 12,004           | 11,604           |
| McCormick                                      | 2,904            | 1,257            | 0              | 0             | 0              | 160            | 0          | 0            | 537            | 4,858            | 4,161            |
| Newberry                                       | 40,567           | 379              | 1,557          | 0             | 0              | 7,879          | 0          | 0            | 38             | 50,420           | 42,503           |
| Oconee (includes 37,482 tons exported waste)   | 37,141           | 5,850            | 10             | 0             | 0              | 6,368          | 0          | 0            | 0              | 49,368           | 43,000           |
| Orangeburg                                     | 49,458           | 29,993           | 50             | 1,337         | 608            | 8,923          | 0          | 0            | 4,014          | 94,382           | 79,501           |
| Pickens (includes 43,306 tons exported waste)  | 43,135           | 5,334            | 66             | 0             | 3,918          | 6,348          | 0          | 0            | 28             | 58,829           | 48,536           |
| Richland                                       | 231,784          | 75,532           | 3,485          | 2,096         | 7,623          | 17,884         | 0          | 0            | 3,502          | 341,907          | 310,801          |
| Saluda   | 7,656            | 2,240            | 0              | 0             | 0              | 4,773          | 0          | 0            | 19             | 14,687           | 9,896            |
| Spartanburg (includes 146 tons exported waste) | 57,513           | 138,697          | 52,795         | 0             | 14,275         | 88,494         | 0          | 0            | 135            | 351,908          | 249,005          |
| Sumter   | 55,412           | 8,424            | 0              | 0             | 8,896          | 81,465         | 0          | 0            | 2,148          | 156,345          | 63,836           |
| Union  | 11,421           | 8,493            | 255            | 0             | 1,799          | 6,191          | 0          | 0            | 151            | 28,309           | 20,169           |
| Williamsburg                                   | 5,524            | 10,597           | 3,377          | 0             | 0              | 8,740          | 0          | 0            | 21             | 28,259           | 19,498           |
| York (includes 41,325 tons exported waste)     | 102,624          | 30,721           | 11,512         | 0             | 0              | 20,811         | 0          | 0            | 392            | 166,059          | 144,857          |
| <b>S. C. COUNTIES TOTAL (MSWLF/TS/EXP/INC)</b> | <b>2,050,956</b> | <b>1,271,381</b> | <b>124,339</b> | <b>61,184</b> | <b>210,221</b> | <b>724,239</b> | <b>261</b> | <b>3,870</b> | <b>272,099</b> | <b>4,718,551</b> | <b>3,446,675</b> |
| Georgia  | 15,473           | 12,762           | 575            | 0             | 19             | 91,516         | 0          | 0            | 612            | 120,957          | 28,810           |
| North Carolina                                 | 142,004          | 263,377          | 148,693        | 20            | 1,492          | 83,102         | 0          | 0            | 506            | 639,194          | 554,074          |
| Mississippi                                    | 0                | 0                | 0              | 0             | 0              | 0              | 0          | 0            | 7              | 7                | 0                |
| Tennessee                                      | 0                | 0                | 0              | 0             | 0              | 54             | 0          | 0            | 0              | 54               | 0                |
| Texas  | 29,882           | 0                | 0              | 0             | 0              | 1,166          | 0          | 0            | 0              | 31,048           | 29,882           |
| California                                     | 0                | 16               | 0              | 0             | 0              | 0              | 0          | 0            | 0              | 16               | 16               |
| Delaware                                       | 0                | 0                | 0              | 0             | 0              | 94,483         | 0          | 0            | 0              | 94,483           | 0                |
| Massachusetts                                  | 475,495          | 0                | 0              | 0             | 0              | 2,949          | 0          | 0            | 0              | 478,444          | 475,495          |
| New Jersey                                     | 155,716          | 0                | 0              | 0             | 8,180          | 0              | 0          | 0            | 0              | 163,895          | 155,716          |
| <b>OUT OF STATE TOTAL (MSWLF)</b>              | <b>818,569</b>   | <b>276,156</b>   | <b>149,268</b> | <b>20</b>     | <b>9,690</b>   | <b>273,271</b> | <b>0</b>   | <b>0</b>     | <b>1,125</b>   | <b>1,528,099</b> | <b>1,243,993</b> |
| <b>TOTAL BY WASTE STREAM</b>                   | <b>2,869,525</b> | <b>1,547,536</b> | <b>273,607</b> | <b>61,205</b> | <b>219,911</b> | <b>997,510</b> | <b>261</b> | <b>3,870</b> | <b>273,224</b> | <b>6,246,649</b> | <b>4,690,668</b> |

**CHART 6.5: Total Solid Waste Recycling, Disposal and Generation Rates in Tons**

| COUNTY                         | POPULATION       | TOTAL SW DISPOSED OF IN THE MSW LANDFILLS, SW INCINERATORS & EXPORTED | TOTAL C&D & LCD DEBRIS DISPOSED OF IN PART II, III & IV LANDFILLS | TOTAL INDUSTRIAL SW DISPOSED OF IN COMMERCIAL & ONSITE ISW LANDFILLS | TOTAL AMOUNT OF ALL SW LANDFILLED INCINERATED & EXPORTED | TOTAL COUNTY RECYCLING EFFORTS | TOTAL AMOUNT OF SW GENERATED (RECYCLED + DISPOSED) | PERCENT OF TOTAL SW GENERATED THAT WAS RECYCLED (SW RECYCLED/GENERATED) |
|--------------------------------|------------------|---|---|--|--|--------------------------------|--|---|
| Abbeville                      | 26,308           | 15,836  | 17,374  | 1  | 33,211   | 13,103                         | 46,314   | 28.3  |
| Aiken                          | 148,960          | 131,285   | 98,203  | 37,558   | 267,046  | 40,427                         | 307,474  | 13.1  |
| Allendale                      | 11,061           | 6,990   | 3,128   | 0  | 10,118   | 2,242                          | 12,360   | 18.1  |
| Anderson                       | 173,550          | 161,610   | 50,815  | 16   | 212,441  | 138,627                        | 351,069  | 39.5  |
| Bamberg                        | 15,952           | 11,280  | 4,811   | 0  | 16,091   | 982                            | 17,073   | 5.8   |
| Barnwell                       | 23,404           | 20,128  | 53,588  | 0  | 73,716   | 5,694                          | 79,411   | 7.2   |
| Beaufort                       | 135,725          | 190,689   | 139,916   | 0  | 330,605  | 68,971                         | 399,576  | 17.3  |
| Berkeley                       | 149,668          | 300,480   | 36,175  | 263,835  | 600,490  | 1,635,130                      | 2,235,620  | 73.1  |
| Calhoun                        | 15,287           | 12,143  | 4,149   | 711  | 17,002   | 838                            | 17,840   | 4.7   |
| Charleston                     | 326,762          | 470,301   | 130,755   | 192,535  | 793,590  | 410,829                        | 1,204,419  | 34.1  |
| Cherokee                       | 53,782           | 71,145  | 8,132   | 13,472   | 92,750   | 88,501                         | 181,251  | 48.8  |
| Chester                        | 33,563           | 37,847  | 4,366   | 777  | 42,990   | 1,727                          | 44,717   | 3.9   |
| Chesterfield                   | 43,289           | 20,206  | 14,448  | 1,746  | 36,400   | 1,895                          | 38,296   | 4.9   |
| Clarendon                      | 33,157           | 8,112   | 9,296   | 0  | 17,408   | 5,149                          | 22,557   | 22.8  |
| Colleton                       | 39,595           | 38,100  | 13,823  | 726  | 52,648   | 16,022                         | 68,671   | 23.3  |
| Darlington                     | 67,577           | 51,823  | 12,858  | 17,750   | 82,431   | 14,435                         | 96,866   | 14.9  |
| Dillon                         | 31,289           | 34,416  | 10,995  | 0  | 45,411   | 1,483                          | 46,894   | 3.2   |
| Dorchester                     | 107,004          | 122,594   | 2,155   | 78,566   | 203,314  | 20,364                         | 223,678  | 9.1   |
| Edgefield                      | 24,794           | 13,406  | 4,665   | 0  | 18,071   | 3,893                          | 21,965   | 17.7  |
| Fairfield                      | 24,142           | 21,981  | 177   | 32   | 22,189   | 1,781                          | 23,970   | 7.4   |
| Florence                       | 129,679          | 154,874   | 1,264   | 32,850   | 188,988  | 32,856                         | 221,845  | 14.8  |
| Georgetown                     | 59,790           | 50,709  | 30,087  | 21,716   | 102,512  | 243,056                        | 345,568  | 70.3  |
| Greenville                     | 401,174          | 673,249   | 142,827   | 13   | 816,089  | 558,211                        | 1,374,300  | 40.6  |
| Greenwood                      | 67,519           | 120,320   | 15,865  | 21   | 136,207  | 28,896                         | 165,103  | 17.5  |
| Hampton                        | 21,301           | 22,991  | 8,590   | 0  | 31,581   | 9,713                          | 41,294   | 23.5  |
| Horry                          | 217,608          | 222,935   | 155,676   | 0  | 378,611  | 374,203                        | 752,814  | 49.7  |
| Jasper                         | 21,193           | 25,385  | 759   | 0  | 26,144   | 15,212                         | 41,356   | 36.8  |
| Kershaw                        | 55,491           | 44,233  | 41,923  | 2  | 86,158   | 12,790                         | 98,948   | 12.9  |
| Lancaster                      | 63,135           | 31,561  | 133   | 31,067   | 62,761   | 75,256                         | 138,016  | 54.5  |
| Laurens                        | 70,218           | 73,090  | 9,180   | 20   | 82,290   | 14,169                         | 96,459   | 14.7  |
| Lee                            | 20,500           | 15,425  | 0   | 0  | 15,425   | 6,194                          | 21,620   | 28.7  |
| Lexington                      | 231,057          | 171,692   | 255,589   | 110,478  | 537,758  | 1,001,274                      | 1,539,032  | 65.1  |
| Marion                         | 35,086           | 14,380  | 29,818  | 0  | 44,198   | 1,848                          | 46,046   | 4.0   |
| Marlboro                       | 28,147           | 12,004  | 845   | 4,945  | 17,794   | 43,116                         | 60,911   | 70.8  |
| McCormick                      | 10,133           | 4,858   | 1,391   | 0  | 6,249  | 1,040                          | 7,289  | 14.3  |
| Newberry                       | 37,209           | 50,420  | 1,098   | 0  | 51,518   | 14,492                         | 66,010   | 22.0  |
| Oconee                         | 69,057           | 49,368  | 32,612  | 0  | 81,980   | 40,845                         | 122,825  | 33.3  |
| Orangeburg                     | 90,779           | 94,382  | 21,165  | 215,232  | 330,779  | 30,848                         | 361,627  | 8.5   |
| Pickens                        | 112,475          | 58,829  | 44,853  | 8  | 103,690  | 26,665                         | 130,354  | 20.5  |
| Richland                       | 334,609          | 341,907   | 224,291   | 145,239  | 711,436  | 70,077                         | 781,513  | 9.0   |
| Saluda                         | 18,870           | 14,687  | 1,149   | 0  | 15,836   | 1,776                          | 17,612   | 10.1  |
| Spartanburg                    | 264,230          | 351,908   | 77,173  | 15,144   | 444,224  | 294,729                        | 738,953  | 39.9  |
| Sumter                         | 105,943          | 156,345   | 38,925  | 9  | 195,279  | 98,361                         | 293,640  | 33.5  |
| Union                          | 28,862           | 28,309  | 805   | 1,231  | 30,345   | 2,281                          | 32,626   | 7.0   |
| Williamsburg                   | 35,372           | 28,259  | 2,386   | 10,065   | 40,711   | 4,243                          | 44,954   | 9.4   |
| York                           | 183,762          | 166,059   | 117,791   | 7,063  | 290,913  | 895,633                        | 1,186,546  | 75.5  |
| <b>TOTAL FOR S.C. COUNTIES</b> | <b>4,198,068</b> | <b>4,718,551</b>  | <b>1,876,025</b>  | <b>1,202,826</b>   | <b>7,797,401</b>   | <b>6,369,880</b>               | <b>14,167,281</b>                                  | <b>45.0</b>   |
| <b>OUT OF STATE TOTAL</b>      | <b>—</b>         | <b>1,528,099</b>  | <b>39,752</b>   | <b>2,836</b>   | <b>1,570,687</b>   | <b>—</b>                       | <b>1,570,687</b>                                   | <b>—</b>  |
| <b>TOTAL WASTE STREAM</b>      | <b>4,198,068</b> | <b>6,246,649</b>  | <b>1,915,777</b>  | <b>1,205,662</b>   | <b>9,368,088</b>   | <b>6,369,880</b>               | <b>15,737,968</b>                                  | <b>45.0</b>   |

**CHART 6.6: Construction & Demolition (C&D) Debris and Land-Clearing Debris (LCD) Landfill Disposal in Tons by Facility Type and County**

| COUNTY OR PLACE OF ORIGIN                   | PART IV C&D/LCD LANDFILLS – LONG-TERM C&D LANDFILLS | PART II C&D/LCD LANDFILLS – LAND-CLEARING DEBRIS LANDFILLS | PART III C&D/LCD LANDFILLS – INDUSTRIAL C&D LANDFILLS | TOTAL FOR EACH COUNTY |
|---|---|--|---|-----------------------|
| Abbeville                                   | 4,549   | 12,825   | 0   | 17,374                |
| Aiken                                       | 79,529  | 18,610   | 64  | 98,203                |
| Allendale                                   | 3,128   | 0  | 0   | 3,128                 |
| Anderson                                    | 35,801  | 15,014   | 0   | 50,815                |
| Bamberg                                     | 4,811   | 0  | 0   | 4,811                 |
| Barnwell                                    | 10,411  | 0  | 43,178  | 53,588                |
| Beaufort                                    | 139,916   | 0  | 0   | 139,916               |
| Berkeley                                    | 36,175  | 0  | 0   | 36,175                |
| Calhoun                                     | 3,554   | 0  | 595   | 4,149                 |
| Charleston                                  | 130,755   | 0  | 0   | 130,755               |
| Cherokee                                    | 8,132   | 0  | 0   | 8,132                 |
| Chester                                     | 4,366   | 0  | 0   | 4,366                 |
| Chesterfield                                | 14,448  | 0  | 0   | 14,448                |
| Clarendon                                   | 9,296   | 0  | 0   | 9,296                 |
| Colleton                                    | 13,823  | 0  | 0   | 13,823                |
| Darlington                                  | 12,858  | 0  | 0   | 12,858                |
| Dillon                                      | 10,995  | 0  | 0   | 10,995                |
| Dorchester                                  | 2,155   | 0  | 0   | 2,155                 |
| Edgefield                                   | 3,244   | 1,421  | 0   | 4,665                 |
| Fairfield                                   | 177   | 0  | 0   | 177                   |
| Florence                                    | 1,264   | 0  | 0   | 1,264                 |
| Georgetown                                  | 30,087  | 0  | 0   | 30,087                |
| Greenville                                  | 142,767   | 60   | 0   | 142,827               |
| Greenwood                                   | 14,675  | 1,190  | 0   | 15,865                |
| Hampton                                     | 8,590   | 0  | 0   | 8,590                 |
| Horry                                       | 155,676   | 0  | 0   | 155,676               |
| Jasper                                      | 176   | 583  | 0   | 759                   |
| Kershaw                                     | 41,923  | 0  | 0   | 41,923                |
| Lancaster                                   | 0   | 132  | 1   | 133                   |
| Laurens                                     | 6,635   | 2,545  | 0   | 9,180                 |
| Lee   | 0   | 0  | 0   | 0                     |
| Lexington                                   | 246,783   | 8,806  | 0   | 255,589               |
| Marion                                      | 29,818  | 0  | 0   | 29,818                |
| Marlboro                                    | 845   | 0  | 0   | 845                   |
| McCormick                                   | 1,335   | 56   | 0   | 1,391                 |
| Newberry                                    | 1,098   | 0  | 0   | 1,098                 |
| Oconee                                      | 19,867  | 12,745   | 0   | 32,612                |
| Orangeburg                                  | 20,915  | 250  | 0   | 21,165                |
| Pickens                                     | 34,746  | 10,107   | 0   | 44,853                |
| Richland                                    | 216,706   | 7,585  | 0   | 224,291               |
| Saluda                                      | 1,149   | 0  | 0   | 1,149                 |
| Spartanburg                                 | 71,424  | 5,749  | 0   | 77,173                |
| Sumter                                      | 38,925  | 0  | 0   | 38,925                |
| Union                                       | 5   | 800  | 0   | 805                   |
| Williamsburg                                | 2,386   | 0  | 0   | 2,386                 |
| York  | 97,810  | 19,981   | 0   | 117,791               |
| C&D LCD from S.C.                           | 1,713,729   | 118,458  | 43,837  | 1,876,025             |
| Out-of-State (origin not specified)         | 38,334  | 1,418  | 0   | 39,752                |
| <b>TOTAL AMOUNT OF C&amp;D/LCD DISPOSED</b> | <b>1,752,063</b>                                    | <b>119,876</b>   | <b>43,837</b>   | <b>1,915,777</b>      |

**CHART 6.7: Commercial and On-site Industrial Solid Waste Landfill (ISWLF) Disposal Data in Tons**

| ISWLF BY COUNTY OF ORIGIN | TOTAL DISPOSED OF AT THE COMMERCIAL ISWLFS | TOTAL DISPOSED OF AT THE ON-SITE ISWLFS | TOTAL INDUSTRIAL SOLID WASTE DISPOSED |
|---------------------------|--|---|---------------------------------------|
| Abbeville                 | 1  | 0                                       | 1                                     |
| Aiken                     | 0  | 37,558                                  | 37,558                                |
| Anderson                  | 16   | 0                                       | 16                                    |
| Berkeley                  | 50,842                                     | 212,993                                 | 263,835                               |
| Calhoun                   | 0  | 711                                     | 711                                   |
| Charleston                | 192,535                                    | 0                                       | 192,535                               |
| Cherokee                  | 13,472                                     | 0                                       | 13,472                                |
| Chester                   | 7  | 770                                     | 777                                   |
| Chesterfield              | 1,746                                      | 0                                       | 1,746                                 |
| Colleton                  | 726  | 0                                       | 726                                   |
| Darlington                | 4,500                                      | 13,250                                  | 17,750                                |
| Dorchester                | 78,566                                     | 0                                       | 78,566                                |
| Fairfield                 | 32   | 0                                       | 32                                    |
| Florence                  | 32,850                                     | 0                                       | 32,850                                |
| Georgetown                | 0  | 21,716                                  | 21,716                                |
| Greenville                | 13   | 0                                       | 13                                    |
| Greenwood                 | 21   | 0                                       | 21                                    |
| Kershaw                   | 2  | 0                                       | 2                                     |
| Lancaster                 | 31,067                                     | 0                                       | 31,067                                |
| Laurens                   | 20   | 0                                       | 20                                    |
| Lexington                 | 2  | 110,476                                 | 110,478                               |
| Marlboro                  | 0  | 4,945                                   | 4,945                                 |
| Orangeburg                | 0  | 215,232                                 | 215,232                               |
| Pickens                   | 8  | 0                                       | 8                                     |
| Richland                  | 239  | 145,000                                 | 145,239                               |
| Spartanburg               | 493  | 14,651                                  | 15,144                                |
| Sumter                    | 9  | 0                                       | 9                                     |
| Union                     | 1,231                                      | 0                                       | 1,231                                 |
| Williamsburg              | 0  | 10,065                                  | 10,065                                |
| York                      | 219  | 6,844                                   | 7,063                                 |
| <b>STATE TOTAL</b>        | <b>408,615</b>                             | <b>794,211</b>                          | <b>1,202,826</b>                      |

**NOTE:** Counties not listed in this chart did not have industrial solid waste data reported for them.

**CHART 6.8: MSW Generated for Disposal in Tons for Use In Demonstrating Need**

| COUNTY       | FY05    | FY04    | FY03    | FY02    | FY01    |
|--------------|---------|---------|---------|---------|---------|
| Abbeville    | 15,836  | 18,817  | 25,909  | 23,792  | 25,879  |
| Aiken        | 131,285 | 149,515 | 111,935 | 101,193 | 121,897 |
| Allendale    | 6,990   | 5,903   | 6,540   | 6,549   | 6,297   |
| Anderson     | 161,610 | 148,849 | 148,232 | 170,387 | 136,770 |
| Bamberg      | 11,280  | 11,652  | 13,768  | 17,911  | 19,644  |
| Barnwell     | 20,128  | 19,373  | 18,247  | 71,924  | 20,570  |
| Beaufort     | 181,849 | 164,984 | 151,624 | 142,337 | 139,979 |
| Berkeley     | 300,480 | 353,891 | 305,575 | 172,888 | 155,071 |
| Calhoun      | 12,143  | 8,660   | 9,659   | 10,183  | 3,938   |
| Charleston   | 243,271 | 221,896 | 180,463 | 149,955 | 159,547 |
| Cherokee     | 71,145  | 71,332  | 73,943  | 78,519  | 86,395  |
| Chester      | 37,847  | 37,070  | 44,435  | 58,377  | 31,543  |
| Chesterfield | 20,206  | 21,941  | 24,514  | 22,506  | 24,842  |
| Clarendon    | 8,112   | 18,403  | 10,932  | 14,222  | 32,148  |
| Colleton     | 38,100  | 35,071  | 31,737  | 52,805  | 19,762  |
| Darlington   | 51,823  | 52,057  | 68,953  | 45,920  | 51,138  |
| Dillon       | 34,416  | 13,925  | 34,092  | 31,961  | 38,571  |
| Dorchester   | 122,594 | 94,275  | 93,306  | 64,906  | 65,143  |
| Edgefield    | 13,406  | 13,969  | 14,870  | 14,774  | 14,822  |
| Fairfield    | 21,981  | 22,546  | 23,076  | 19,664  | 21,065  |
| Florence     | 154,874 | 152,909 | 151,123 | 148,367 | 150,094 |
| Georgetown   | 50,709  | 49,736  | 70,531  | 71,720  | 59,655  |
| Greenville   | 673,249 | 589,204 | 613,417 | 489,216 | 526,467 |
| Greenwood    | 120,320 | 109,407 | 91,719  | 93,699  | 105,728 |
| Hampton      | 22,991  | 18,188  | 22,039  | 20,656  | 20,203  |
| Horry        | 222,935 | 227,469 | 212,686 | 193,573 | 199,410 |
| Jasper       | 22,100  | 20,879  | 17,692  | 15,457  | 15,351  |
| Kershaw      | 44,233  | 40,162  | 45,597  | 39,716  | 37,575  |
| Lancaster    | 31,561  | 35,533  | 35,088  | 36,565  | 30,175  |
| Laurens      | 73,090  | 51,636  | 57,940  | 50,477  | 51,133  |
| Lee          | 15,425  | 14,981  | 14,670  | 27,034  | 19,245  |
| Lexington    | 171,692 | 256,226 | 221,323 | 172,856 | 128,951 |
| Marion       | 14,380  | 21,673  | 4,796   | 13,668  | 13,830  |
| Marlboro     | 12,004  | 21,815  | 15,289  | 13,846  | 10,401  |
| McCormick    | 4,858   | 5,183   | 11,869  | 4,682   | 5,333   |
| Newberry     | 50,420  | 48,591  | 47,893  | 47,662  | 44,292  |
| Oconee       | 49,368  | 45,533  | 45,260  | 46,749  | 50,400  |
| Orangeburg   | 94,382  | 92,970  | 98,350  | 84,278  | 85,677  |
| Pickens      | 54,966  | 59,873  | 56,938  | 56,669  | 58,572  |
| Richland     | 341,907 | 349,087 | 327,966 | 323,740 | 342,760 |
| Saluda       | 14,687  | 9,684   | 9,197   | 8,619   | 8,702   |
| Spartanburg  | 351,908 | 373,060 | 418,942 | 307,298 | 314,706 |
| Sumter       | 156,345 | 135,220 | 119,698 | 95,752  | 96,023  |
| Union        | 28,309  | 18,988  | 12,835  | 15,794  | 17,241  |
| Williamsburg | 28,259  | 25,582  | 26,100  | 26,966  | 36,385  |
| York         | 166,059 | 152,060 | 147,720 | 139,609 | 144,255 |

This data is solely for use in calculating annual MSWLF tonnage limits as related to R.61-107.17, Demonstration of Need. Any other use of this data may lead to an inaccurate conclusion.



**CHART 6.9: C&D Debris Generated in South Carolina and Disposed of in Part IV C&D Landfills in Tons for Use In Demonstrating Need**

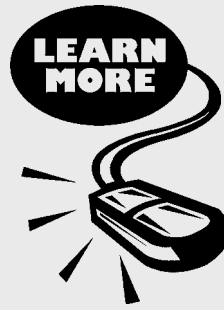
| COUNTY       | FY05    | FY04    | FY03    | FY02    | FY01    |
|--------------|---------|---------|---------|---------|---------|
| Abbeville    | 4,549   | 557     | 0       | 0       | 0       |
| Aiken        | 79,529  | 74,412  | 76,117  | 55,740  | 44,389  |
| Allendale    | 3,128   | 1,578   | 3,534   | 1,814   | 962     |
| Anderson     | 35,801  | 35,206  | 42,857  | 58,068  | 37,498  |
| Bamberg      | 4,811   | 4,883   | 5,788   | 5,796   | 4,341   |
| Barnwell     | 10,411  | 8,329   | 12,749  | 10,651  | 10,736  |
| Beaufort     | 139,916 | 121,464 | 102,287 | 91,022  | 107,950 |
| Berkeley     | 36,175  | 66,023  | 58,137  | 72,948  | 51,034  |
| Calhoun      | 3,554   | 4,139   | 4,067   | 5,873   | 7,243   |
| Charleston   | 130,755 | 108,148 | 189,167 | 161,849 | 199,464 |
| Cherokee     | 8,132   | 10,658  | 8,586   | 10,512  | 8,695   |
| Chester      | 4,366   | 3,220   | 2,346   | 4,175   | 5,605   |
| Chesterfield | 14,448  | 12,805  | 15,192  | 7,545   | 3,746   |
| Clarendon    | 9,296   | 5,500   | 4,605   | 4,574   | 6,019   |
| Colleton     | 13,823  | 13,157  | 13,295  | 14,842  | 14,846  |
| Darlington   | 12,858  | 12,614  | 13,657  | 15,252  | 15,118  |
| Dillon       | 10,995  | 11,412  | 10,096  | 11,359  | 9,951   |
| Dorchester   | 2,155   | 0       | 10,044  | 16,069  | 17,706  |
| Edgefield    | 3,244   | 2,678   | 3,006   | 1,790   | 2,862   |
| Fairfield    | 177     | 126     | 33      | 407     | 0       |
| Florence     | 1,264   | 883     | 41      | 893     | 19,409  |
| Georgetown   | 30,087  | 33,680  | 22,114  | 26,820  | 27,770  |
| Greenville   | 142,767 | 87,157  | 147,929 | 130,358 | 135,406 |
| Greenwood    | 14,675  | 7,408   | 12,281  | 8,320   | 2,932   |
| Hampton      | 8,590   | 7,444   | 3,221   | 5,714   | 3,349   |
| Horry        | 155,676 | 170,856 | 135,648 | 116,954 | 121,949 |
| Jasper       | 176     | 240     | 500     | 6,519   | 344     |
| Kershaw      | 41,923  | 33,277  | 30,452  | 31,193  | 23,208  |
| Lancaster    | 0       | 0       | 3       | 1,345   | 3,267   |
| Laurens      | 6,635   | 8,434   | 8,631   | 4,649   | 7,312   |
| Lee          | 0       | 0       | 0       | 0       | 0       |
| Lexington    | 246,783 | 231,899 | 228,223 | 191,618 | 198,992 |
| Marion       | 29,818  | 16,493  | 10,982  | 7,032   | 9,238   |
| Marlboro     | 845     | 1,040   | 1,034   | 1,059   | 540     |
| McCormick    | 1,335   | 920     | 819     | 935     | 1,084   |
| Newberry     | 1,098   | 797     | 487     | 262     | 5       |
| Oconee       | 19,867  | 20,608  | 15,558  | 13,655  | 12,820  |
| Orangeburg   | 20,915  | 23,222  | 21,479  | 19,663  | 18,070  |
| Pickens      | 34,746  | 16,049  | 26,334  | 15,911  | 14,744  |
| Richland     | 216,706 | 199,805 | 206,794 | 177,999 | 201,973 |
| Saluda       | 1,149   | 1,176   | 1,116   | 1,288   | 1,199   |
| Spartanburg  | 71,424  | 58,803  | 26,000  | 65,096  | 60,762  |
| Sumter       | 38,925  | 42,747  | 51,962  | 48,489  | 49,039  |
| Union        | 5       | 4       | 1,320   | 14,689  | 3,842   |
| Williamsburg | 2,386   | 2,585   | 3,818   | 4,106   | 4,828   |
| York         | 97,810  | 82,448  | 42,550  | 54,086  | 48,504  |

This data is solely for use in calculating annual C&D tonnage limits as related to R.61-107.17, Demonstration of Need. Any other use of this data may lead to an inaccurate conclusion.

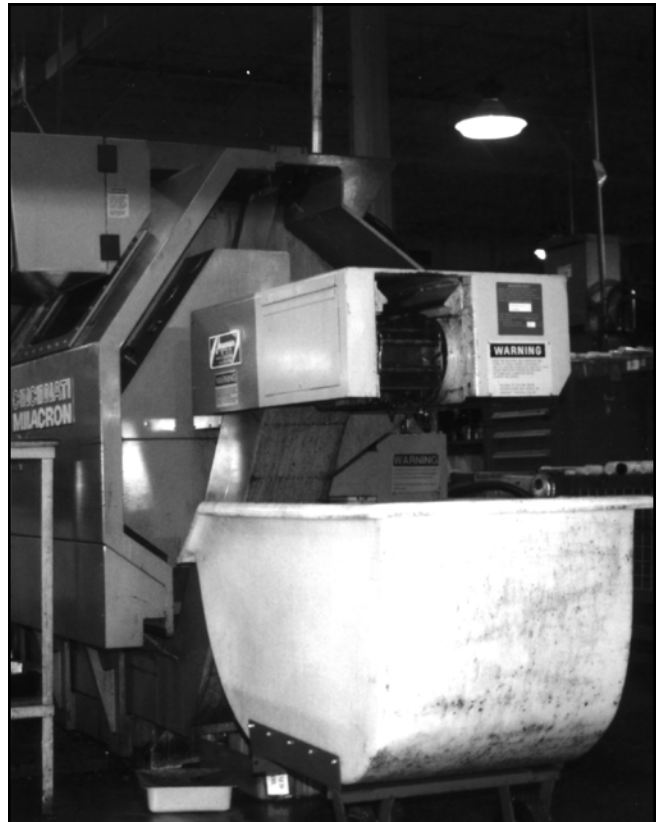
**CHART 6.10: Industrial Solid Waste (ISW)  
Generated and Disposed of in Commercial ISW  
Landfills in Tons**

| COUNTY       | CLASS I | CLASS II |
|--------------|---------|----------|
| Abbeville    | 1       | 0        |
| Anderson     | 16      | 0        |
| Berkeley     | 37,053  | 13,789   |
| Charleston   | 150,689 | 41,846   |
| Cherokee     | 13,472  | 0        |
| Chester      | 7       | 0        |
| Chesterfield | 1,746   | 0        |
| Colleton     | 0       | 726      |
| Darlington   | 4,500   | 0        |
| Dorchester   | 61,755  | 16,811   |
| Fairfield    | 32      | 0        |
| Florence     | 32,850  | 0        |
| Greenville   | 13      | 0        |
| Greenwood    | 21      | 0        |
| Kershaw      | 2       | 0        |
| Lancaster    | 31,067  | 0        |
| Laurens      | 20      | 0        |
| Lexington    | 2       | 0        |
| Pickens      | 8       | 0        |
| Richland     | 239     | 0        |
| Spartanburg  | 493     | 0        |
| Sumter       | 9       | 0        |
| Union        | 1,231   | 0        |
| York         | 219     | 0        |

There is only one Class III ISW landfill in South Carolina and no waste was reported for FY05. This data is solely for use in calculating annual ISW tonnage limits as related to R.61-107.17, Demonstration of Need. Any other use of this data may lead to an inaccurate conclusion.



The Demonstration of Need Regulation, R.61-107.17, can be viewed on-line at [www.scdhec.gov/lwm/regs/r61-107\\_17.pdf](http://www.scdhec.gov/lwm/regs/r61-107_17.pdf).





# APPENDIX

In FY05, there were 408 permitted solid waste facilities in South Carolina. These facilities include – but are not limited to – landfills, transfer stations and processing facilities.

Chart 9.2 (on the following pages) reflects a complete listing of permitted facilities at the close of FY05. It includes:

- the name of the county in which the facility is located;
- the facility name; and
- the corresponding facility identification number.

The following legend – Chart 9.1 – should be used when referring to Chart 9.2.

| <b>CHART 9.1: Legend</b> |  |
|--------------------------|--|
| <b>C&amp;D</b>           | Construction and Demolition Debris                                 |
| <b>C&amp;D LF</b>        | Construction and Demolition Debris Landfill                        |
| <b>C&amp;D+LCDL</b>      | Construction and Demolition Debris & Land-Clearing Debris Landfill |
| <b>CF</b>                | Composting Facility  |
| <b>INC</b>               | Incinerator  |
| <b>ISWLF</b>             | Industrial Solid Waste Landfill                                    |
| <b>LA</b>                | Land Application   |
| <b>LCD</b>               | Land-Clearing Debris   |
| <b>LCDLF</b>             | Land-Clearing Debris Landfill                                      |
| <b>LCD+YTLF</b>          | Land-Clearing Debris & Yard Trash Landfill                         |
| <b>LF</b>                | Landfill   |
| <b>MSW</b>               | Municipal Solid Waste  |
| <b>MSWLF</b>             | Municipal Solid Waste Landfill                                     |
| <b>RC</b>                | Recycling Center   |
| <b>RD&amp;D</b>          | Research, Development & Demonstration Project                      |
| <b>ST</b>                | Soil Treatment   |
| <b>SW</b>                | Solid Waste  |
| <b>SWP</b>               | Solid Waste Processor  |
| <b>TS</b>                | Transfer Station   |
| <b>UOM</b>               | Used Oil Marketer  |
| <b>UOP</b>               | Used Oil Processor   |
| <b>WTC</b>               | Waste Tire Collector   |
| <b>WTD</b>               | Waste Tire Disposal  |
| <b>WTP</b>               | Waste Tire Processor   |
| <b>WTR</b>               | Waste Tire Recycler  |
| <b>YTLF</b>              | Yard Trash Landfill  |

**CHART 9.2: Permitted Solid Waste Facilities for FY05**

| COUNTY                               | FACILITY NAME  | FACILITY ID # | COUNTY                               | FACILITY NAME                                       | FACILITY ID # |
|--------------------------------------|--|---------------|--------------------------------------|---|---------------|
| <b>PART I – SHORT-TERM LANDFILLS</b> |  |               | Pickens                              | Stewart's Grading & Excavation LCDLF                | 392738-1701   |
| Spartanburg                          | Chapman, Robert C&DLF                                  | 422908-1304   | Richland                             | Blythewood Construction Company, Inc. LCD+YTLF      | 402479-1701   |
| <b>PART II – LCD+YTLF</b>            |  |               | Richland                             | Broad River Landscaping LCD+YTLF                    | 402467-1701   |
| Abbeville                            | City of Abbeville LCD+YTLF                             | 011002-1703   | Richland                             | Meetz, Billy LCD+YTLF                               | 402463-1701   |
| Abbeville                            | Dobbins LCDLF  | 012458-1701   | Saluda                               | Goff LCD+YTLF                                       | 412682-1701   |
| Abbeville                            | M.H. Carolinas LCD+YTLF                                | 012755-1701   | Spartanburg                          | Brown LCD+YTLF                                      | 422474-1701   |
| Abbeville                            | Threlko, Inc. LCDLF                                    | 012741-1701   | Spartanburg                          | Brown LCD+YTLF                                      | 422474-1702   |
| Aiken                                | G.L. Williams LCDLF                                    | 022481-1701   | Spartanburg                          | City of Woodruff Lanford Road LCD+YTLF              | 421002-1701   |
| Aiken                                | Gary Miller LCDLF                                      | 022725-1701   | Spartanburg                          | Cliffdale Road LCD+YTLF                             | 422683-1701   |
| Aiken                                | Jack Wood LCDLF  | 022719-1701   | Spartanburg                          | Hawkins Grading LCD+YTLF                            | 422473-1702   |
| Aiken                                | John Swearingen LCDLF                                  | 022743-1701   | Spartanburg                          | Howard Grading and Construction LCDLF               | 422712-1701   |
| Aiken                                | Randy Hill LCDLF                                       | 022720-1701   | Spartanburg                          | Jeff Thomas (Strickland Drive) LCD+YTLF             | 422459-1701   |
| Aiken                                | Williams, Mike LCD+YTLF                                | 022740-1701   | Spartanburg                          | Jimmy Wilson Construction (Hunsinger Site) LCD+YTLF | 422647-1702   |
| Anderson                             | Broadway LCDLF   | 042722-1701   | Spartanburg                          | Jimmy Wilson Construction (Skinner Site) LCD+YTLF   | 422647-1703   |
| Anderson                             | City of Belton LCD+YTLF                                | 041005-1701   | Spartanburg                          | PAR Grading & Hauling LCD+YTLF                      | 422627-1701   |
| Anderson                             | Miller Construction Company LCD+YTLF (Site #5, Slaton) | 042689-1702   | Spartanburg                          | Smith LCD+YTLF                                      | 422419-1701   |
| Anderson                             | Starr LCD&YTLF   | 041001-1701   | Spartanburg                          | Smith LCD+YTLF                                      | 422419-1701   |
| Chester                              | Town of Great Falls                                    | 121002-1701   | Spartanburg                          | T. Glen Easler Grading & Landscaping LCD+YTLF       | 422607-1701   |
| Edgefield                            | Eugene Easler LCDLF                                    | 192757-1701   | Union                                | City of Union LCD+YTLF                              | 441003-1701   |
| Edgefield                            | Pioneer Clearing LCD+YTLF (Site 2)                     | 192697-1701   | York                                 | City of Rock Hill LCD+YTLF                          | 461002-1702   |
| Florence                             | Town of Timmonsville                                   | 211003-1701   | York                                 | Clawson LCD+YTLF                                    | 462620-1701   |
| Greenville                           | Grambling Brothers Contracting                         | 232486-1701   | York                                 | Creekside of York County LCDLF                      | 462748-1701   |
| Greenville                           | H.R. Garrett, Inc.                                     | 232478-1701   | York                                 | McCall Deer Creek Drive LCDLF                       | 462672-1701   |
| Greenville                           | James Owens LCDLF                                      | 232758-1701   | <b>PART III – C&amp;D LANDFILLS</b>  |   |               |
| Greenville                           | Trotter LCD+YTLF                                       | 232455-1701   | Aiken                                | Savannah River Site 632-G C&DLF                     | 065800-1901   |
| Jasper                               | Jasper County LCD+YTLF                                 | 271001-1701   | Aiken                                | Westinghouse Savannah River Company                 | 025800-1901   |
| Lancaster                            | Heath Springs LCD+YTLF                                 | 291002-1701   | Calhoun                              | Voridian (C&DLF)                                    | 093322-1901   |
| Lancaster                            | Lancaster County LCD+YTLF                              | 291001-1703   | Darlington                           | Wellman Palmetto Plant                              | 163329-1901   |
| Laurens                              | Harris LCDLF   | 302458-1704   | Greenville                           | General Electric C&D+LCDLF                          | 233321-1901   |
| Laurens                              | H.R. Garrett (Lisbon Road) LCDLF #2                    | 302458-1703   | Lancaster                            | Springs Industries, Inc.                            | 292657-1901   |
| Laurens                              | H.R. Garrett, Inc. (Henderson Road) LCD+YTLF           | 302458-1705   | Spartanburg                          | INVISTA (Hoechst Celanese) C&DLF                    | 423312-1901   |
| Laurens                              | H.R. Garrett, Inc. (Michaela Street) LCD+YTLF          | 302458-1701   | <b>PART IV – LONG-TERM LANDFILLS</b> |   |               |
| Lexington                            | Highway 378 LCD+YTLF                                   | 322456-1702   | Abbeville                            | Abbeville County C&DLF                              | 011001-1201   |
| Lexington                            | Sligh Properties LCD+YTLF                              | 322470-1701   | Aiken                                | Aiken County (Barden) C&D+LCD LF                    | 021001-1201   |
| Lexington                            | Sox and Sons Construction Company                      | 322613-1701   | Aiken                                | Aiken County Wagener C&DLF                          | 021001-1202   |
| Lexington                            | Town of Batesburg-Leesville LCDLF                      | 321003-1701   | Aiken                                | G.L. Williams C&D+LCDLF                             | 022481-1201   |
| McCormick                            | Town of McCormick LCD+YTLF                             | 331002-1701   | Aiken                                | Rainbow Falls Road C&DLF                            | 022737-1201   |
| Newberry                             | Metts LCD+YTLF   | 362490-1701   | Anderson                             | Bobby and Danny C&D+LCDLF                           | 042629-1201   |
| Oconee                               | Nimmons Bridge Road LCD+YTLF                           | 372690-1701   | Anderson                             | Clemson University Long-term C&D+LCDLF              | 041804-1202   |
| Oconee                               | Northwest Grading Company LCD+YTLF                     | 372614-1701   | Anderson                             | Enterprise Material Handling C&DLF                  | 042733-1201   |
| Oconee                               | Wells Highway LCD+YTLF                                 | 372649-1701   | Anderson                             | Starr C&D+LCDLF                                     | 041001-1201   |
| Oconee                               | Wood LCD+YTLF  | 372669-1701   | Anderson                             | Starr C&D+LCDLF                                     | 041001-1203   |
| Orangeburg                           | Spires LCD+YTLF  | 382480-1701   | Bamberg                              | Bamberg County C&D+LCDLF                            | 051001-1201   |
| Pickens                              | City of Easley LCDLF                                   | 391003-1701   | Barnwell                             | Barnwell County C&DLF                               | 061001-1201   |
| Pickens                              | Martin LCD+YTLF  | 392600-1701   | Beaufort                             | Barnwell Resources C&D+LCDLF                        | 072410-1201   |

| COUNTY       | FACILITY NAME                                | FACILITY ID # | COUNTY            | FACILITY NAME                                     | FACILITY ID # |
|--------------|--|---------------|-------------------|---|---------------|
| Berkeley     | Berkeley County C&DLF                        | 081001-1201   | Spartanburg       | Wasp Nest Road C&DLF                              | 421001-1202   |
| Calhoun      | Calhoun County C&D+LCDLF                     | 091001-1201   | Sumter            | Sumter County C&DLF                               | 431001-1201   |
| Charleston   | Charleston County Bees Ferry C&D+LCDLF       | 101001-1201   | Sumter            | Sumter County C&DLF (Area C)                      | 431001-1202   |
| Cherokee     | Cherokee County C&DLF                        | 111001-1201   | Union             | Copeland C&D+LCDLF                                | 442329-1201   |
| Cherokee     | City of Gaffney C&DLF                        | 111002-1201   | Williamsburg      | City of Lake City C&DLF                           | 451002-1201   |
| Chester      | Chester County C&D+LCDLF                     | 121001-1201   | Williamsburg      | Williamsburg County C&DLF                         | 451001-1201   |
| Chesterfield | Furr Facility C&DLF                          | 132670-1201   | York              | Coltharp C&D+LCDLF                                | 462602-1201   |
| Clarendon    | Clarendon County C&D+LCDLF                   | 141001-1203   | York              | Rogers C&DLF                                      | 462427-1201   |
| Colleton     | Colleton County C&DLF                        | 151001-1201   | York              | York County C&D+LCDLF                             | 461001-1201   |
| Darlington   | Darlington County C&D+LCDLF                  | 161001-1201   | <b>COMPOSTING</b> |   |               |
| Dillon       | Dillon County C&D+LCDLF                      | 171001-1202   | Aiken             | 421 Composting Site (G.L. Williams)               | 022676-3002   |
| Edgefield    | Tri-County LF                                | 194200-1201   | Aiken             | APAC Composting (G.L. Williams)                   | 022676-3001   |
| Florence     | Florence County C&DLF                        | 211001-1201   | Aiken             | City of Aiken CF                                  | 021002-3001   |
| Georgetown   | Georgetown County C&D+LCDLF                  | 221001-1202   | Allendale         | Town of Allendale CF                              | 031001-3001   |
| Greenville   | Carter Excavating C&D+LCDLF                  | 232416-1201   | Anderson          | City of Anderson CF                               | 041003-3001   |
| Greenville   | Enoree C&D+LCDLF                             | 231001-1201   | Anderson          | Honea Path YT & Debris CF                         | 041002-3001   |
| Greenville   | Greenville LT C&DLF                          | 232441-1201   | Anderson          | Town of Williamston CF                            | 041004-3001   |
| Greenville   | WCA Shiloh C&D+LCDLF                         | 232644-1201   | Berkeley          | Berkeley County CF                                | 081001-3001   |
| Greenwood    | Greenwood County C&DLF                       | 241001-1201   | Charleston        | Barr Construction Wood Grinding                   | 102641-3001   |
| Hampton      | Hampton County C&D+LCDLF                     | 251001-1201   | Charleston        | Charleston County CF                              | 101001-3001   |
| Horry        | Horry County Solid Waste Authority C&D+LCDLF | 261001-1201   | Charleston        | Spring Grove Environmental North Charleston CF    | 102441-3001   |
| Jasper       | Oakwood C&DLF and RC                         | 272438-1201   | Charleston        | Sunnyside Farms Composting                        | 102646-3001   |
| Jasper       | Oakwood C&DLF and RC (Cell 2)                | 272438-1202   | Cherokee          | Cherokee County Composting                        | 111001-3001   |
| Jasper       | Snake Road C&DLF                             | 272742-1201   | Chester           | City of Chester Composting                        | 121003-3001   |
| Kershaw      | Kershaw County C&D+LCDLF                     | 281001-1201   | Chester           | Hyponex Composting                                | 123331-3001   |
| Kershaw      | Loveless & Loveless C&D+LCDLF                | 282428-1201   | Chester           | Town of Great Falls                               | 121002-3001   |
| Kershaw      | Pine Hill C&DLF                              | 282401-1201   | Chesterfield      | City of Pageland Composting                       | 131002-3001   |
| Laurens      | City of Clinton C&D+LCDLF                    | 301002-1201   | Dillon            | Town of Latta Composting                          | 171002-3001   |
| Laurens      | Curry Lake C&DLF                             | 302693-1201   | Florence          | City of Florence Composting                       | 211004-3001   |
| Laurens      | Laurens County C&DLF                         | 301001-1201   | Georgetown        | Dirty Work, Inc. Composting                       | 222671-3001   |
| Lexington    | Carolina Materials C&D+LCDLF                 | 322611-1201   | Georgetown        | Frasier Composting                                | 222679-3001   |
| Lexington    | Edmund C&DLF (Cell 2)                        | 321001-1202   | Georgetown        | Georgetown County LF Composting                   | 221001-3001   |
| Lexington    | Highway 378 C&D+LCDLF                        | 322456-1202   | Greenville        | Greenville County Mulching (Enoree LF Composting) | 231001-3001   |
| Lexington    | Lexington County C&D+LCDLF                   | 321001-1201   | Hampton           | Hampton County Composting                         | 251001-3001   |
| Lexington    | Oswald Lumber C&D+LCDLF                      | 322601-1201   | Horry             | C. Owens & Son, Inc. Composting                   | 262635-3001   |
| Lexington    | S&T Recycling C&DLF                          | 322456-1203   | Horry             | Coastal Reclamation Composting                    | 262448-3001   |
| Lexington    | Southeastern Associates C&D+LCDLF            | 322428-1201   | Horry             | G&G Mining Company LLC Composting                 | 262667-3001   |
| Marion       | City of Marion C&D+LCDLF                     | 341003-1201   | Horry             | Holmes Composting                                 | 262616-3001   |
| Marion       | City of Mullins C&DLF                        | 341002-1201   | Horry             | Horry County Composting                           | 261001-3001   |
| Marion       | Sandlands C&D+LCDLF                          | 342729-1201   | Horry             | P-Mining Composting                               | 262650-3001   |
| Marion       | Sandlands C&D+LCDLF (Phase II)               | 342729-1202   | Horry             | Robert O. Collins Co Hwy 544 Composting           | 262659-3001   |
| Oconee       | Seneca 2 C&D+LCDLF                           | 371001-1202   | Horry             | Sunway Environmental, Inc.                        | 262666-3001   |
| Oconee       | Seneca C&D+LCDLF                             | 371001-1201   | Horry             | Vereen Composting                                 | 262484-3001   |
| Orangeburg   | City of Orangeburg LF                        | 381002-1201   | Horry             | White & Son, Inc. Composting                      | 262606-3001   |
| Orangeburg   | Orangeburg County C&DLF                      | 381001-1201   | Jasper            | G&B Services Composting                           | 272705-3001   |
| Pickens      | Easley C&D+LCDLF                             | 391001-1201   | Kershaw           | Kershaw County Yard Waste Composting              | 281001-3001   |
| Richland     | City of Columbia South C&D+LCDLF             | 401002-1201   |                   |   |               |
| Richland     | Richland County C&D+LCDLF                    | 401001-1201   |                   |   |               |


| COUNTY                          | FACILITY NAME                                 | FACILITY ID # | COUNTY                                  | FACILITY NAME                                 | FACILITY ID # |
|---------------------------------|---|---------------|---|---|---------------|
| Kershaw                         | Loveless & Loveless Composting                | 282428-3001   | Greenville                              | Southern Grading I Site                       | 232701-3001   |
| Lancaster                       | Gupton Composting                             | 292625-3001   | Greenville                              | Southern Grading II Site                      | 232701-3002   |
| Lancaster                       | Lancaster County Yard Waste Composting        | 291001-3001   | Greenville                              | Southern Grading III Site                     | 232701-3003   |
| Lancaster                       | Piedmont Composting                           | 292642-3001   | Greenville                              | S.R. Mulch & Wood Grinding                    | 232739-3001   |
| Lancaster                       | Town of Heath Springs Composting              | 291002-3001   | Greenville                              | WCA Shiloh Wood Processing                    | 232644-3001   |
| Laurens                         | Laurens County Composting                     | 301001-3001   | Hampton                                 | Town of Yemassee Shredding                    | 251002-3001   |
| Lee                             | Lee County Composting and Recycling           | 312640-3001   | Horry                                   | Dixie Recycling, LLC                          | 262652-3001   |
| Lexington                       | Carolina Materials Wood Waste Processing      | 322611-3001   | Jasper                                  | Cleland Ridgeland Wood Chipping               | 272605-3001   |
| Marion                          | City of Marion Composting                     | 341003-3001   | Jasper                                  | Oakwood C&DLF Wood Grinding                   | 272438-3001   |
| Marlboro                        | Marlboro County Composting                    | 351001-3001   | Lexington                               | Eagle Recovery Wood Grinding                  | 322754-3001   |
| Marlboro                        | McDuffie & Son Composting                     | 352691-3001   | Lexington                               | S&T Grading Wood Processing                   | 322456-3001   |
| Newberry                        | City of Newberry Composting and Shredding     | 361002-3001   | Newberry                                | Metts Wood Recycling                          | 362750-3001   |
| Newberry                        | Newberry County Composting                    | 361001-3001   | Oconee                                  | Seneca Mulching                               | 371001-3001   |
| Richland                        | City of Columbia Composting                   | 401002-3001   | Oconee                                  | Woody's Chips and Mulch                       | 372703-3001   |
| Richland                        | Fort Jackson Compost                          | 405802-3001   | Pickens                                 | City of Clemson Brush RC                      | 391002-3001   |
| Richland                        | Mitch Hook Wood Composting                    | 402696-3001   | Spartanburg                             | Fairforest Wood RC                            | 422749-3001   |
| Spartanburg                     | City of Spartanburg Highway 295 Composting    | 421005-3001   | Sumter                                  | Sumter County Wood Processing                 | 431001-3001   |
| Spartanburg                     | Wellford LF Composting                        | 421001-3002   | York                                    | Second Chance Mulch Center                    | 462751-3001   |
| Sumter                          | S.C.R. Composting                             | 432661-3001   | <b>SOIL TREATMENT</b>                   |   |               |
| Williamsburg                    | Black River Composting                        | 452699-3001   | Sumter                                  | G&K Tank Services                             | 432752-8001   |
| Williamsburg                    | City of Hemingway Composting                  | 451003-3001   | <b>INCINERATORS</b>                     |   |               |
| York                            | City of Fort Mill Composting                  | 461003-3001   | Beaufort                                | Daufuskie Site Prep Air Curtain INC           | 072753-4001   |
| York                            | City of Rock Hill Composting                  | 461002-3002   | Beaufort                                | Ulmer Brothers Air Curtain INC                | 072711-4001   |
| York                            | City of York Composting                       | 461004-3001   | Charleston                              | Montenay Charleston Resource Recovery         | 102495-4001   |
| York                            | Deer Creek Composting                         | 462672-3001   | Jasper                                  | Malphrus Construction Company Air Curtain INC | 272716-4001   |
| York                            | Pressley Composting                           | 462655-3001   | Pickens                                 | Pickens County Air Curtain Destructor         | 391001-4001   |
| York                            | River Hills Community Association Composting  | 462497-3002   | <b>INDUSTRIAL SOLID WASTE LANDFILLS</b> |   |               |
| York                            | Rogers Composting                             | 462636-3001   | Aiken                                   | Owens Corning Fiberglass                      | 022431-1601   |
| York                            | York County Composting                        | 461001-3001   | Aiken                                   | Savannah River Site 288-F ISWLF               | 025800-1601   |
| <b>WOOD GRINDING FACILITIES</b> |   |               | Aiken                                   | Savannah River Site ISWLF (Z-Area)            | 025500-1603   |
| Aiken                           | Carolina Country Construction Wood Processing | 022761-3001   | Aiken                                   | SCE&G Urquhart Station LF                     | 023320-1601   |
| Beaufort                        | Associated Materials Wood Grinding            | 072731-3001   | Aiken                                   | Southeastern Clay ISWLF                       | 023336-1601   |
| Beaufort                        | Barnwell Resources Shredding/Chipping         | 072410-3001   | Anderson                                | Owens Corning Fiberglass ISWLF                | 043334-1601   |
| Beaufort                        | Hilton Head Plantation P.O.A. Wood Chipping   | 072413-3001   | Berkeley                                | Georgia Pacific Corporation                   | 083304-1601   |
| Beaufort                        | Sea Pines Wood Chipping Facility              | 072405-3001   | Berkeley                                | Highway 52, Williams Station ISWLF            | 083309-1601   |
| Charleston                      | Burning Acres Composting & Shredding          | 102487-3001   | Berkeley                                | S.C. Public Service Authority ISWLF           | 083337-1601   |
| Charleston                      | Ladson Wood Recycling                         | 102745-3001   | Berkeley                                | SCE&G Williams Station, Moncks Crnr. LF       | 083320-1601   |
| Charleston                      | Moberry LCD Wood Chipping                     | 102746-3001   | Berkeley                                | Westvaco Corporation Industrial LF            | 083339-1601   |
| Dillon                          | Nobles Corporation Wood Chipping              | 172483-3002   | Calhoun                                 | Voridian Industrial ISWLF                     | 092432-1601   |
| Dorchester                      | Jenner Recycling – Wood Processing            | 182717-3001   | Charleston                              | GS Roofing Products ISWLF                     | 102434-1601   |
| Fairfield                       | Kaiser Enterprises, Inc. Wood Grinding        | 202726-3001   | Charleston                              | Spring Grove ISWLF                            | 102441-1601   |
| Georgetown                      | McKenzie Wood Chipping                        | 222732-3001   | Chester                                 | Bennett ISWLF                                 | 122493-1601   |
| Greenville                      | Dillard Excavating Wood Chipping              | 232734-3001   | Chester                                 | Willamette Industries ISWLF                   | 123301-1601   |
| Greenville                      | Greater Greenville Sanitation Shredding       | 231003-3001   | Chesterfield                            | Chesterfield County ISWLF                     | 131001-1601   |
| Greenville                      | Greenville Wood Waste RC                      | 232420-3001   | Darlington                              | CP&L Industrial LF (contractors)              | 163341-1602   |
|                                 |   |               | Darlington                              | CP&L Industrial LF (plant use)                | 163341-1601   |
|                                 |   |               | Darlington                              | Darlington Veneer Company                     | 163307-1601   |
|                                 |   |               | Darlington                              | Nucor Steel                                   | 163325-1602   |

| COUNTY                  | FACILITY NAME                                      | FACILITY ID # | COUNTY   | FACILITY NAME                                      | FACILITY ID # |
|-------------------------|--|---------------|--|--|---------------|
| Darlington              | Sonoco Products Company LF                         | 163315-1601   | Saluda   | Norbord Ash LA                                     | 303747-8001   |
| Dillon                  | Dillon County Industrial LF                        | 171001-1601   | Spartanburg  | Leigh Fibers LA of Cotton Mote                     | 422634-8001   |
| Dorchester              | Pepperhill Regional ISWLF                          | 182441-1601   | <b>MUNICIPAL SOLID WASTE LANDFILLS</b>                   |  |               |
| Florence                | Pee Dee Environmental Services ISWLF               | 212426-1601   | Abbeville  | Abbeville County MSWLF                             | 011001-1102   |
| Florence                | Smurfit-Stone Container ISWLF (ash)                | 213310-1601   | Aiken  | Three Rivers Regional MSWLF                        | 024202-1101   |
| Florence                | Smurfit-Stone Container ISWLF (lime)               | 213310-1602   | Anderson   | Anderson Regional LF                               | 042651-1101   |
| Georgetown              | International Paper ISWLF                          | 222435-1601   | Berkeley   | Berkeley County Water & Sanitation Authority MSWLF | 081001-1102   |
| Lancaster               | Mining Road ISWLF                                  | 292440-1601   | Charleston   | Bees Ferry Road MSWLF                              | 101001-1101   |
| Laurens                 | Michelin America's ISWLF                           | 303311-1601   | Dorchester   | Oakridge MSWLF                                     | 182400-1101   |
| Lexington               | CMC Lexington Class III ISWLF                      | 323328-1602   | Georgetown   | Georgetown County MSWLF                            | 221001-1102   |
| Lexington               | Owen Industrial Products, Inc.                     | 323328-1601   | Greenville   | Enoree Phase II MSWLF                              | 231001-1101   |
| Lexington               | SCE&G (McMeekin Station)                           | 323320-1601   | Greenville   | Twin Chimneys LF                                   | 231001-1102   |
| Marlboro                | Palmetto Brick Company                             | 353324-1601   | Greenwood  | Greenwood County MSWLF                             | 241001-1101   |
| Marlboro                | Weyerhaeuser Company (Willamette) ISWLF            | 353301-1601   | Horry  | Horry County SW Authority MSWLF                    | 261001-1102   |
| Newberry                | Georgia Pacific Prosperity Plywood ISWLF           | 363304-1601   | Jasper   | Hickory Hill MSWLF                                 | 272401-1101   |
| Newberry                | Southeastern Resource Recovery, Inc.               | 362624-1601   | Lee  | Lee County LF SC, LLC                              | 312411-1101   |
| Oconee                  | Oconee Nuclear Station LF                          | 373303-1601   | Richland   | Northeast LF, Inc.                                 | 402434-1101   |
| Orangeburg              | Ethyl Corporation/Albermarle Chemical              | 383345-1601   | Richland   | Richland LF, Inc.                                  | 402401-1101   |
| Orangeburg              | Georgia Pacific Corporation                        | 383304-1601   | Spartanburg  | Palmetto LF & RC                                   | 422401-1101   |
| Orangeburg              | SCE&G (Cope LF)                                    | 383320-1601   | Spartanburg  | Wellford MSWLF                                     | 421001-1101   |
| Richland                | Carolina Grading, Inc. LF                          | 402446-1601   | Union  | Union County Regional MSWLF                        | 442441-1101   |
| Richland                | International Paper (Union Camp)                   | 403313-1601   | Williamsburg   | Williamsburg County MSWLF                          | 451001-1101   |
| Richland                | Intertape Polymer Group (Anchor Continental, Inc.) | 403326-1601   | <b>RESEARCH, DEVELOPMENT &amp; DEMONSTRATION PROJECT</b> |  |               |
| Spartanburg             | Kohler Company ISWLF                               | 422442-1601   | Aiken  | Three Rivers MSWLF (RD&D)                          | 024202-8001   |
| Spartanburg             | Red Hill ISWLF                                     | 422444-1601   | <b>SOLID WASTE PROCESSORS</b>                            |  |               |
| Spartanburg             | Tindall Special ISWLF                              | 423340-1601   | Aiken  | North Augusta Regional Material Recovery           | 021003-2001   |
| Williamsburg            | Martek ISWLF                                       | 453349-1601   | Aiken  | Three Rivers SW Authority MSW Processing Facility  | 024202-2001   |
| York                    | Bowater, Inc. ISWLF                                | 463318-1601   | Anderson   | ACE Recycling SWP                                  | 042663-2001   |
| York                    | Celanese Acetate, LLC                              | 463312-1601   | Calhoun  | Regulatory Solutions Processing Facility           | 092622-2001   |
| York                    | Celanese Acetate, LLC                              | 463312-1602   | Colleton   | American Bio-Mass Processing                       | 152630-2001   |
| York                    | Duke Power Company                                 | 463303-1601   | Colleton   | CMEG, Inc. SWP                                     | 152609-2001   |
| <b>LAND APPLICATION</b> |  |               | Dillon   | Nobles Corporation, C&D SWP                        | 172483-2001   |
| Charleston              | DiMare's LA of Culled Tomatoes and Cucumbers       | 102643-8001   | Dorchester   | Eagle Environmental Services, Inc.                 | 182628-2001   |
| Charleston              | Wood Not Waste LA                                  | 102756-8001   | Dorchester   | Pepperhill Processing & Transfer                   | 182441-2001   |
| Cherokee                | Armstrong Textiles LA                              | 112723-8001   | Greenville   | Fennell Container, Greenville Processing Facility  | 232441-2001   |
| Darlington              | Union Camp Corporation                             | 163313-8001   | Greenville   | Vopak Industrial Services                          | 233730-2001   |
| Georgetown              | International Paper LA of Paper Mill Boiler Ash    | 222654-8001   | Greenville   | Waste Reduction of SC SWP                          | 232687-2001   |
| Georgetown              | International Paper LA of Paper Mill Boiler Ash    | 222654-8002   | Lee  | Lee County C&D Waste Processing                    | 312640-2001   |
| Lancaster               | Bowers Fibers LA of Cotton Mote Waste              | 292684-8001   | Lexington  | Crandall Corporation                               | 322704-2001   |
| Laurens                 | Country Fresh LA                                   | 232736-8001   | Spartanburg  | 220 Victor Hill SWP                                | 422713-2001   |
| Marlboro                | Weyerhaeuser By-Products LA (Willamette)           | 353301-8001   | Spartanburg  | JBR Environmental Services                         | 422673-2001   |
| Orangeburg              | Council Energy LA of Wood Ash                      | 382633-8001   | Sumter   | Giant Resource Recovery, Sumter SWP                | 432675-2001   |
| Orangeburg              | Traywick, James LA                                 | 383320-8001   | <b>TRANSFER STATIONS</b>                                 |  |               |
| Richland                | Mungo Homes, LA of Crushed Gypsum Wallboard        | 402645-8001   | Anderson   | Anderson-Oconee TS                                 | 042760-6001   |
|                         |  |               | Anderson   | Pendleton TS                                       | 042401-6001   |
|                         |  |               | Bamberg  | Bamberg County MSW TS                              | 051001-6001   |



| COUNTY      | FACILITY NAME                     | FACILITY ID # | COUNTY                              | FACILITY NAME                                    | FACILITY ID # |
|-------------|-----------------------------------|---------------|-------------------------------------|--|---------------|
| Barnwell    | Barnwell County TS                | 061001-6001   | York                                | Container Company of Carolina MSW TS (Fort Mill) | 463323-6001   |
| Beaufort    | Haig Point SW TS                  | 072496-6001   | York                                | York County SW TS                                | 461001-6001   |
| Beaufort    | Melrose SW TS                     | 072492-6001   | <b>USED OIL MARKETER</b>            |  |               |
| Charleston  | Town of Mount Pleasant C&D TS     | 101002-6001   | Charleston                          | Banks Construction                               | 102707-7301   |
| Cherokee    | Cherokee County SW TS             | 111001-6001   | Dorchester                          | Universal Environmental Services LLC             | 182744-7301   |
| Chester     | Chester County SW TS              | 121001-6001   | Sumter                              | Southeastern Chemical UOM                        | 432675-7301   |
| Clarendon   | Clarendon County SW TS            | 141001-6001   | York                                | Atlantic Industrial Services                     | 462724-7301   |
| Colleton    | Colleton County SW TS             | 151001-6002   | <b>USED OIL PROCESSORS</b>          |  |               |
| Darlington  | Darlington County SW TS           | 161001-6001   | Charleston                          | Banks Construction                               | 102707-7101   |
| Dillon      | Dillon County MSW TS              | 171001-6001   | Charleston                          | Green Oasis Environmental UOP                    | 102619-7101   |
| Dorchester  | Town of Summerville C&D SW TS     | 181002-6001   | Dorchester                          | Universal Environmental Services LLC             | 182744-7101   |
| Edgefield   | Tri-County SW TS                  | 194200-6001   | Greenville                          | Holston Group UOP                                | 232435-7101   |
| Fairfield   | Fairfield TS                      | 202401-6001   | Spartanburg                         | Taylor Enterprises UOP                           | 422665-7101   |
| Florence    | City of Florence SW TS            | 212498-6001   | Sumter                              | Southeastern Chemical UOP                        | 432675-7101   |
| Greenville  | Blackberry Valley SW TS           | 231001-6001   | <b>WASTE TIRE COLLECTORS</b>        |  |               |
| Greenville  | City of Greenville LCD TS         | 231002-6001   | Cherokee                            | Cherokee County Recycling WTC                    | 111001-5101   |
| Greenville  | City of Greer SW TS               | 231003-6001   | Dorchester                          | Systech Environmental WTC                        | 182759-5201   |
| Horry       | City of Myrtle Beach SW TS        | 261003-6001   | Greenville                          | Enoree Phase II MSWLF WTC                        | 231001-5103   |
| Horry       | City of North Myrtle Beach MSW TS | 261004-6001   | <b>WASTE TIRE DISPOSAL FACILITY</b> |  |               |
| Lancaster   | City of Lancaster SW TS           | 291003-6001   | Anderson                            | Anderson Tire WTD Facility                       | 042417-5301   |
| Laurens     | Laurens County SW TS              | 302323-6001   | <b>WASTE TIRE PROCESSORS</b>        |  |               |
| Lexington   | Lexington County MSW TS           | 321001-6001   | Aiken                               | Three Rivers Tire Processing                     | 024202-5201   |
| Marlboro    | City of Bennettsville SW TS       | 351002-6001   | Berkeley                            | Rubber Recovery, Inc.                            | 082728-5201   |
| Newberry    | Newberry County SW TS             | 361001-6001   | Charleston                          | Tower Waste Tire Processing                      | 102714-5201   |
| Oconee      | Oconee County SW TS               | 371001-6001   | Clarendon                           | East Coast Industrial Services                   | 142348-5201   |
| Orangeburg  | Orangeburg County SW TS           | 381001-6001   | Edgefield                           | Ridge Recyclers WTP                              | 192653-5201   |
| Pickens     | Pickens County TS                 | 391001-6001   | Marion                              | Venture Manufacturing WTP                        | 342433-5201   |
| Spartanburg | Broadcast Drive C&D TS            | 422692-6001   | Pickens                             | Pickens County Recycling                         | 391001-5201   |
| Spartanburg | City of Spartanburg SW TS         | 421005-6001   | York                                | York County Tire Processing                      | 461001-5201   |
| Spartanburg | Greer MSW TS                      | 422323-6001   | <b>WASTE TIRE RECYCLER</b>          |  |               |
| Sumter      | Sumter County MSW TS              | 431001-6001   | Anderson                            | Anderson Tire Recycling, Site #1                 | 042417-5201   |
| Union       | City of Union SW Transfer         | 441003-6001   |                                     |  |               |

**NOTE:** For a list of registered waste tire haulers, please contact DHEC at 1-800-768-7348.



For more information about solid waste disposal facilities in South Carolina, visit [www.scdhec.gov/lwm/html/min.html](http://www.scdhec.gov/lwm/html/min.html). Click on the county map at the bottom of the page for data about facilities in your community.

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