



**Beaufort County
Solid Waste and Recycling Board
Meeting Agenda March 22, 2012**



**Location: Beaufort Industrial Village, BIV 2,
Beaufort, SC 29906
2:00 P.M.**

- **Call to Order:** Mr. Dietz
 - Approve meeting Agenda
 - Approval of the Minutes from previous meeting: February 23, 2012 ([backup](#))
- **Introductions**
- **Public Comment**
- **Reports:**
 - Finance Department Reports ([backup](#))
 - Solid Waste & Recycling Division Monthly Reports, February 2012 ([backup](#))
 - Recycling Rates - 10 year review
 - Litter Officers' Report
 - Recycling Coordinators' Report
 - 2good2waste.org Report
- **Unfinished Business:**
 - Daufuskie Island Convenience Center Design/Build – No Update
 - Transfer Station Fatal Flaw Analysis-Site Analysis - Minor
 - Solid Waste initiatives
 - FY 2013 Budget
- **New Business:**
- **Public Comment**
- **Adjournment**
- **Solid Waste Management Plan Workshop Session**
 - Review of Solid Waste Management Plan Section 5 ([backup](#))
- **Next Meeting, April 26, 2012 , at
Beaufort Industrial Village, BIV 2**



Beaufort County Solid Waste and Recycling Board Meeting

Thursday, February 23, 2012, 2:00 pm

BIV – 2 Conference Room

Attendees:

Earl Dietz, Chairman & District 8 Representative
David R. Uehling, District 6, Representative
George Potts, District 9 Representative
Ben Wheatley, District 7 Representative
Tammy Malone, District 4 Representative(Ex Officio)
Rob McFee, Director of E&I
Gary Dukes, MCAS Liaison
Eddie Bellamy, Public Works Director
Billie Lindsay, Planning
James Minor, Solid Waste Manager
John Miller, Supt. Solid Waste & Recycling
Beth Lewis, Information Coord/Analyst
Carol Murphy, Recycling Coordinator

Absentees:

Leland McCormack, DHEC Liaison
Brad Woods, MCRD Liaison
Leroy Norris, District 5 Representative (Resigned 1/1/2012)
Alice Darian, District 3 Representative (Ex-Officio)
Isaiah Smalls, District 1 Representative (Ex-Officio)
Van Willis, District 2 Representative (Ex-Officio)

Guests

Tom Soder, S&P Recycling
Kent Berry, The Greenery
Mike Bennett, IC Recycle

- **Call to Order:** Chairman Dietz called the meeting to order at 2:05 pm.
- **Agenda:** The Agenda was approved as written (board should disregard email version).
- **Minutes:** The minutes of January 26, 2012, were approved as written.
- **Introductions:** All present were introduced.
- **Public Comment:** Mr. Dietz called for public comment. There being none, the meeting continued.
- **Monthly Reports**
 - **Finance Report:**
 - The Finance Report for January 2012 was distributed. Mr. Minor asked that any questions be emailed to him for review.
 - **SW&R Monthly Reports:**
 - Mr. Minor reviewed the January 2012 reports including Tonnage Maps for each type of waste.
 - Total Tonnage for January was 4,822 tons vs. 4593 in 2011. Disposal 2% higher indicating improvement in the economy.
 - Total January disposal costs were \$178,987. Total hauling costs were \$46,642. Related budgets are on target.
 - Traffic flow was noted 129,869 w/Pritchardville counter not working.
 - January recycling includes 388.50 tons curbside, 395.06 tons from centers. Total to date residential including newspapers was 855.43 tons. 4,435 tons YTD
 - Total January recycling costs were \$152,602 noting budget expended 44%. Annual recycling tonnage was 5210 tons.
 - Recycling proceeds for the year includes: \$113,266 in Credits from our contract with Waste Management, \$167,304 in revenue from scrap metal, newspaper, oil, etc.

- **Litter Officers' Reports**
 - Mrs. Murphy reported cleanup of the Cole Tire pile in St Helena was completed. 60.12 of tires (~6,000 tires) were removed from the marsh and tree line and recycled
- **Coordinators' Report**
 - The public was reminded of the next Hazardous Household Waste and Prescription medication collection event will be held 3/3/2012. Other special events include
 - May 5, 2012—Saturday 9-3
Electronics Waste & Shredding at 2 Locations
Bluffton & Shanklin Public Works
 - March 3, 2012-Saturday 9-3 - Hazardous Waste & Prescription Medications Collection, Bluffton Public Works Site,
 - April 28, 2012-Saturday 9-3— Town of Hilton Head Sponsored(Residents)
EWaste, Hazardous Waste & Prescription Medications Collection
 - May 12, 2012-Saturday 9-3—Hazardous Waste & Prescription Medications Collection
 - Shanklin Public Works Site, 140 Shanklin Rd.,
 - Mr. Potts asked about the traffic issues at the Feb event in Bluffton. Mr. Minor explained that those issues were being addressed for future events.
 - Average Weekly office recycling collection holding at @ 1,400lbs
 - Totals July-Dec 2011
 - Office Program = 27.62 tons
 - Records Dept Secure Program = 14.57 tons
 - Book recycling = 19.14 tons
 - Assisted TCL – Technical College of the Lowcountry with recycling program and bins.
- **2 Good 2 Waste**
 - Bookmarks advertising 2good2waste will be distributed to County libraries and schools
 - Slide placed on county website
- **Unfinished Business**
 - **Daufuskie Island Convenience Center**
 - Mr. McFee reported that that the SC Supreme court reviewing the case. The SC Circuit Court found in favor of the county.
 - **Transfer Station**
 - No Update
- **New Business**
 - **Council Retreat Power Point**
 - Mr. Minor reviewed the power point presented to County Council:
 - **Current Issues:**
 - Inefficient Collection Methods
 - Convenience sites cannot handle future growth
 - Limited Disposal and Recycling Alternatives
 - Lack of Accountability in Disposal
 - Wide variance between County and each Municipal program
 - Minimal system for special waste streams
 - Lack of Control / No Limits on Disposal
 - Beaufort County pays disposal for MSW, C&D, yard waste
 - Lack of Disposal Alternatives
 - Convenience Center Operating Day Too Long
 - Lack of time for maintenance
 - Inadequate supervisory coverage
 - **Ideal System:**
 - Emphasis on **3R's- Reduce, Reuse, Recycle**

- Last Option is Disposal
- Convenient for Citizens
- Flexible and Adaptable
- System to Process all Waste Streams
- Cost Effective
- Costs Controllable or at Least Predictable
- **SWOT Analysis**
 - Strengths:
 - Our Citizens Respond to Leadership for the Right Cause
 - Weaknesses:
 - Lack of Disposal and Recycling Alternatives
 - Paying for Disposal of Waste Without Control; Estimated at \$100,000 each year
 - Opportunities:
 - Synergy from Existing Municipal Programs
 - Reduction in Hours; Systematic Changes in Services; Modernization & Consolidation of Convenience Centers
 - Threats:
 - No Control of Future for Hickory Hill Landfill
 - Major Hurricane will Cripple Present Collection System
- **Three Major Initiatives**
 - Select a site and build the Recycling / Transfer Facility
 - Begin to transition away from Convenience Center based services
 - Incrementally begin curbside service in unincorporated Beaufort County
- **Funding**
 - Good Ideas without funding are just good ideas; to have an action plan it must be funded
 - Proposed: Solid Waste and Recycling Fee
 - 50% toward curbside transition
 - 50% toward Recycling / Transfer Facility
 - Estimated Annual Fee \$50 - \$75 per taxable property
- **Review of the Solid Waste Management Plan for Beaufort County-**
 - Mr. Minor asked that members stay for a brief workshop to review a draft of Section 5 immediately following this meeting,
- **Public Comment:**
 - Mr. Dietz called for the final public comment.
 - Tom Soder, SP Recycling, spoke to the group about considerations in using single stream recycling in its future plans.
- **The Meeting ended** at 3:15 pm.
 - The next regular board meeting will be held March 22, 2012, 2:00 pm in BIV 2 Conference Room.
 - A Solid Waste Management Plan Workshop will be held immediately after the regular March meeting.

Cc: Mr. Gary T. Kubic, County Administrator
Miss Suzanne Rainey, Clerk to Council
J. Robert McFee, PE, Division Director, Engineering and Infrastructure
Eddie Bellamy, PW Director

UNAUDITED
BEAUFORT COUNTY, SOUTH CAROLINA
SCHEDULE OF REVENUES AND EXPENDITURES - BUDGET (GAAP BASIS) AND ACTUAL
SOLID WASTE AND RECYCLING
For the Period Ending February 29, 2012

	Budget	Actual	Variance Positive (Negative)	Percent of Budget
Revenues				
Sale of Recyclables	\$ 300,000	\$ 167,427	\$ (132,573)	56%
Waste Disposal Fees	7,500	6,500	(1,000)	87%
Total Revenues	<u>307,500</u>	<u>173,927</u>	<u>(133,573)</u>	<u>57%</u>
Expenditures				
Solid Waste / Recycling Administration				
Personnel	649,259	364,800	284,459	56%
Purchased Services	3,959,150	2,100,887	1,858,263	53%
Supplies	96,445	70,042	26,403	73%
Capital	32,000	-	32,000	0%
	<u>4,736,854</u>	<u>2,535,729</u>	<u>2,201,125</u>	<u>54%</u>
Solid Waste / Recycling Hilton Head				
Personnel	90,593	61,366	29,227	68%
Purchased Services	6,700	5,367	1,333	80%
Supplies	3,400	1,726	1,674	51%
	<u>100,693</u>	<u>68,459</u>	<u>32,234</u>	<u>68%</u>
Solid Waste / Recycling Bluffton				
Personnel	134,890	93,126	41,764	69%
Purchased Services	7,000	3,444	3,556	49%
Supplies	3,900	2,537	1,363	65%
	<u>145,790</u>	<u>99,107</u>	<u>46,683</u>	<u>68%</u>
Solid Waste / Recycling Unincorporated Port Royal				
Personnel	164,421	87,321	77,100	53%
Purchased Services	10,000	4,676	5,324	47%
Supplies	4,100	2,155	1,945	53%
	<u>178,521</u>	<u>94,152</u>	<u>84,369</u>	<u>53%</u>
Solid Waste / Recycling Daufuskie				
Personnel	41,156	-	41,156	0%
Purchased Services	5,300	-	5,300	0%
Supplies	2,900	127	2,773	4%
	<u>49,356</u>	<u>127</u>	<u>49,229</u>	<u>0%</u>
Solid Waste / Recycling St. Helena				
Personnel	149,655	85,022	64,633	57%
Purchased Services	11,000	5,413	5,587	49%
Supplies	6,200	3,269	2,931	53%
	<u>166,855</u>	<u>93,704</u>	<u>73,151</u>	<u>56%</u>
Solid Waste / Recycling Sheldon				
Personnel	90,593	60,749	29,844	67%
Purchased Services	9,300	5,677	3,623	61%
Supplies	5,300	2,128	3,172	40%
	<u>105,193</u>	<u>68,554</u>	<u>36,639</u>	<u>65%</u>
Total Expenditures	<u>5,483,262</u>	<u>2,959,832</u>	<u>2,523,430</u>	<u>54%</u>
Net Expenditures	<u>\$ (5,175,762)</u>	<u>\$ (2,785,905)</u>	<u>\$ (2,389,857)</u>	<u>54%</u>

UNAUDITED
 BEAUFORT COUNTY, SOUTH CAROLINA
 COMBINING BALANCE SHEET
 NONMAJOR SPECIAL REVENUE FUNDS - SOLID WASTE AND RECYCLING
 February 29, 2012

	Oil Collection Grant	Solid Waste/ Recycling Grant	Energy Grant	Tire Recycling Grant	Waste Management Recycling Grant	Total
ASSETS						
Equity in Pooled Cash and Investments	\$ 4,192	\$ 7,569	\$ -	\$ 11,943	\$ 30,174	\$ 53,878
Receivables, Net	-	-	92,479	-	-	92,479
Total Assets	<u>4,192</u>	<u>7,569</u>	<u>92,479</u>	<u>11,943</u>	<u>30,174</u>	<u>146,357</u>
LIABILITIES AND FUND EQUITY						
Liabilities						
Accounts Payable	\$ 702	\$ 1,201	\$ 91,913	\$ 8,689	\$ -	\$ 102,505
Accrued Payroll	-	-	566	-	-	566
Total Liabilities	<u>702</u>	<u>1,201</u>	<u>92,479</u>	<u>8,689</u>	<u>-</u>	<u>103,071</u>
FUND BALANCE						
Reserved for Encumbrances	8,961	-	35,248	6,498	-	50,707
Reserved for Special Revenue Funds	<u>(5,471)</u>	<u>6,368</u>	<u>(35,248)</u>	<u>(3,244)</u>	<u>30,174</u>	<u>(7,421)</u>
	<u>3,490</u>	<u>6,368</u>	<u>-</u>	<u>3,254</u>	<u>30,174</u>	<u>43,286</u>
Total Liabilities and Fund Balance	<u>\$ 4,192</u>	<u>\$ 7,569</u>	<u>\$ 92,479</u>	<u>\$ 11,943</u>	<u>\$ 30,174</u>	<u>\$ 146,357</u>

UNAUDITED
 BEAUFORT COUNTY, SOUTH CAROLINA
 COMBINING STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES
 NONMAJOR SPECIAL REVENUE FUNDS - SOLID WASTE AND RECYCLING
 For the Period Ending February 29, 2012

	Oil Collection Grant		
	Budget	Actual	Variance Positive (Negative)
Revenues			
Intergovernmental	\$ 17,900	\$ 4,506	\$ (13,394)
Total Revenues	<u>17,900</u>	<u>4,506</u>	<u>(13,394)</u>
Expenditures			
Purchased Services	6,700	1,016	5,684
Supplies	2,000	-	2,000
Capital	9,200	-	9,200
Total Expenditures	<u>17,900</u>	<u>1,016</u>	<u>16,884</u>
Net Change in Fund Balance	-	3,490	3,490
Fund Balance at Beginning of Year	<u>-</u>	<u>-</u>	<u>-</u>
Fund Balance at End of Year	<u>\$ -</u>	<u>\$ 3,490</u>	<u>\$ 3,490</u>

UNAUDITED
 BEAUFORT COUNTY, SOUTH CAROLINA
 COMBINING STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES
 NONMAJOR SPECIAL REVENUE FUNDS - SOLID WASTE AND RECYCLING
 For the Period Ending February 29, 2012

	Solid Waste/ Recycling Grant		
	Budget	Actual	Variance Positive (Negative)
Revenues			
Intergovernmental	\$ 10,900	\$ 12,732	\$ 1,832
Total Revenues	<u>10,900</u>	<u>12,732</u>	<u>1,832</u>
Expenditures			
Purchased Services	4,600	4,547	53
Supplies	<u>12,463</u>	<u>7,981</u>	<u>4,482</u>
Total Expenditures	<u>17,063</u>	<u>12,528</u>	<u>4,535</u>
Net Change in Fund Balance	(6,163)	204	6,367
Fund Balance at Beginning of Year	<u>6,164</u>	<u>6,164</u>	<u>-</u>
Fund Balance at End of Year	<u>\$ 1</u>	<u>\$ 6,368</u>	<u>\$ 6,367</u>

UNAUDITED
 BEAUFORT COUNTY, SOUTH CAROLINA
 COMBINING STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES
 NONMAJOR SPECIAL REVENUE FUNDS - SOLID WASTE AND RECYCLING
 For the Period Ending February 29, 2012

	Energy Grant		
	Budget	Actual	Variance Positive (Negative)
Revenues			
Intergovernmental	\$ 274,892	\$ 223,471	\$ (51,421)
Total Revenues	<u>274,892</u>	<u>223,471</u>	<u>(51,421)</u>
Expenditures			
Personnel	39,392	26,211	13,181
Purchased Services	500	-	500
Supplies	10,600	2,392	8,208
Capital	<u>224,400</u>	<u>194,868</u>	<u>29,532</u>
Total Expenditures	<u>274,892</u>	<u>223,471</u>	<u>51,421</u>
Net Change in Fund Balance	-	-	-
Fund Balance at Beginning of Year	<u>-</u>	<u>-</u>	<u>-</u>
Fund Balance at End of Year	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

UNAUDITED
 BEAUFORT COUNTY, SOUTH CAROLINA
 COMBINING STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES
 NONMAJOR SPECIAL REVENUE FUNDS - SOLID WASTE AND RECYCLING
 For the Period Ending February 29, 2012

	Tire Recycling Grant		
	Budget	Actual	Variance Positive (Negative)
Revenues			
Intergovernmental	\$ 53,750	\$ 31,605	\$ (22,145)
Total Revenues	<u>53,750</u>	<u>31,605</u>	<u>(22,145)</u>
Expenditures			
Purchased Services	53,750	28,351	25,399
Total Expenditures	<u>53,750</u>	<u>28,351</u>	<u>25,399</u>
Net Change in Fund Balance	-	3,254	3,254
Fund Balance at Beginning of Year	-	-	-
Fund Balance at End of Year	<u>\$ -</u>	<u>\$ 3,254</u>	<u>\$ 3,254</u>

UNAUDITED
 BEAUFORT COUNTY, SOUTH CAROLINA
 COMBINING STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES
 NONMAJOR SPECIAL REVENUE FUNDS - SOLID WASTE AND RECYCLING
 For the Period Ending February 29, 2012

	Waste Management Recycling Grant		
	Budget	Actual	Variance Positive (Negative)
Revenues			
Miscellaneous	\$ 12,000	\$ 12,000	\$ -
Total Revenues	<u>12,000</u>	<u>12,000</u>	<u>-</u>
Expenditures			
Purchased Services	5,000	-	5,000
Supplies	<u>7,000</u>	<u>-</u>	<u>7,000</u>
Total Expenditures	<u>12,000</u>	<u>-</u>	<u>12,000</u>
Net Change in Fund Balance	-	12,000	12,000
Fund Balance at Beginning of Year	<u>18,174</u>	<u>18,174</u>	<u>-</u>
Fund Balance at End of Year	<u>\$ 18,174</u>	<u>\$ 30,174</u>	<u>\$ 12,000</u>

UNAUDITED
 BEAUFORT COUNTY, SOUTH CAROLINA
 COMBINING STATEMENT OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES
 NONMAJOR SPECIAL REVENUE FUNDS - SOLID WASTE AND RECYCLING
 For the Period Ending February 29, 2012

	Total		Variance Positive (Negative)
	Budget	Actual	
Revenues			
Intergovernmental	\$ 357,442	\$ 272,314	\$ (85,128)
Miscellaneous	<u>12,000</u>	<u>12,000</u>	<u>-</u>
Total Revenues	<u>369,442</u>	<u>284,314</u>	<u>(85,128)</u>
Expenditures			
Personnel	39,392	26,211	13,181
Purchased Services	70,550	33,914	36,636
Supplies	32,063	10,373	21,690
Capital	<u>233,600</u>	<u>194,868</u>	<u>38,732</u>
Total Expenditures	<u>375,605</u>	<u>265,366</u>	<u>110,239</u>
Net Change in Fund Balance	(6,163)	18,948	25,111
Fund Balance at Beginning of Year	<u>24,338</u>	<u>24,338</u>	<u>-</u>
Fund Balance at End of Year	<u>\$ 18,175</u>	<u>\$ 43,286</u>	<u>\$ 25,111</u>

Solid Waste and Recycling Division Monthly Update
February Fiscal Year 2012
Distributed to the Solid Waste and Recycling Board of Beaufort County

Solid Waste Overall County Convenience Center Tonnage

	February FY11	February FY12
Household & Bulky	1,609.10	1,635.92
Yard Waste	336.24	299.28
Construction & Demolition (C&D)	121.36	195.12
TOTAL Convenience Center Tonnage	2,066.70	2,130.32
% of All Residential Disposal from CC	46.44%	47.53%

Solid Waste Overall County Residential Route Tonnage

	February FY11	February FY12
Household & Bulky	2,054.80	2,056.70
Yard Waste	260.02	260.68
Construction & Demolition (C&D)	68.76	34.03
TOTAL Residential Route Tonnage	2,383.58	2,351.41
% of All Residential Disposal from Residential Route	53.56%	52.47%

Overall Solid Waste Activity by Solid Waste District

Solid Waste District	MSW & Bulky	Yard Waste	C&D	Total District Tonnage
District 1 City of Beaufort	257.51	149.31	6.34	413.16
District 2 Town of Port Royal	110.91	90.27	0.00	201.18
District 3 Town of Hilton Head	910.40	63.00	2.11	975.51
District 4 Town of Bluffton	401.43	80.50	121.32	603.25
District 5 Sheldon Township	136.58	3.50	0.00	140.08
District 6 Unincorporated Port Royal Island	462.48	60.12	18.52	541.12
District 7 Unincorporated Lady's Island	155.20	14.79	12.31	182.30
District 8 St. Helena & Islands East	326.56	71.78	62.30	460.64
District 9 Unincorporated Bluffton Township	920.19	26.69	6.25	953.13
Daufuskie	11.36	0.00	0.00	11.36
MONTHLY OVERALL COUNTY TONNAGE	3,692.62	559.96	229.15	4,481.73
YTD OVERALL COUNTY TONNAGE	33,320.20	4,867.12	2,128.00	40,315.32

Solid Waste and Recycling Division Monthly Update
February Fiscal Year 2012
Distributed to the Solid Waste and Recycling Board of Beaufort County

Solid Waste Hauling Costs

Month	FY11 Hauling	FY12 Hauling
July	\$74,597	\$51,417
August	\$71,381	\$58,591
September	\$68,031	\$46,871
October	\$71,756	\$50,401
November	\$65,528	\$45,298
December	\$63,596	\$47,224
January	\$60,428	\$46,642
February	\$58,775	\$43,161
March	\$71,798	
April	\$75,074	
May	\$77,195	
June	\$73,889	
TOTAL	\$832,048	\$389,605

Solid Waste Hauling Costs



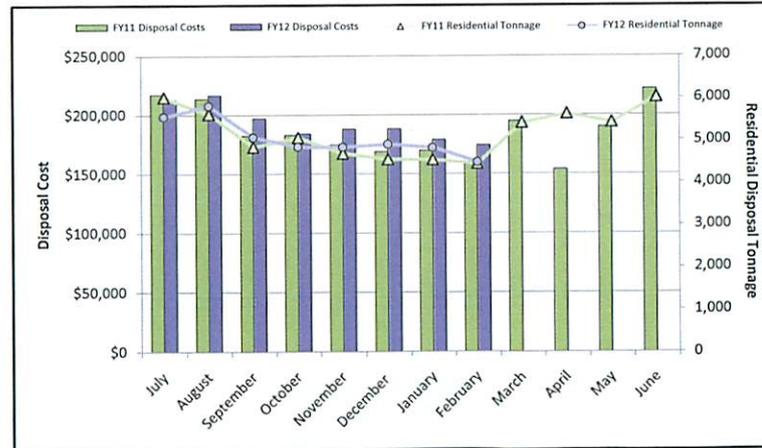
Number of Pulls

Month	FY11 Pulls	FY12 Pulls
July	541	525
August	514	552
September	494	466
October	520	515
November	467	442
December	452	464
January	444	454
February	435	420
March	562	
April	592	
May	551	
June	546	
TOTAL	6,118	3,838

Solid Waste Disposal Costs

Month	FY11 Disposal Costs	FY12 Disposal Costs
July	\$217,172	\$212,706
August	\$213,562	\$216,478
September	\$182,197	\$196,899
October	\$182,803	\$183,798
November	\$174,222	\$187,501
December	\$168,502	\$187,910
January	\$169,667	\$178,987
February	\$160,316	\$174,381
March	\$194,457	
April	\$153,708	
May	\$189,496	
June	\$222,075	
TOTAL	\$2,228,176	\$1,538,659

Solid Waste Disposal Cost



Total County Residential Tonnage Disposal

Month	FY11 Residential Tonnage	FY12 Residential Tonnage
July	6,018	5,554
August	5,620	5,814
September	4,840	5,071
October	5,058	4,841
November	4,681	4,830
December	4,548	4,900
January	4,539	4,822
February	4,450	4,482
March	5,416	
April	5,626	
May	5,424	
June	6,022	
TOTAL	62,242	40,315

Solid Waste Hauling and Disposal Budgets Status

	FY11 Through February	FY12 Through February	FY11 % Expended	FY12 % Expended
Hauling Costs	\$534,091	\$389,605	51%	43%
Disposal Costs	\$1,468,439	\$1,538,659	49%	63%

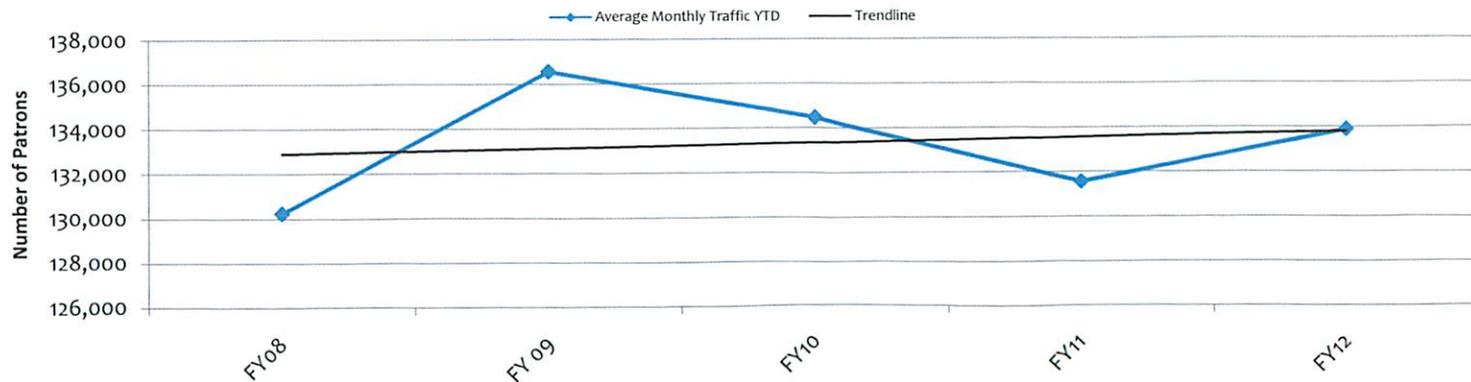
Solid Waste and Recycling Division Monthly Update
 February Fiscal Year 2012
 Distributed to the Solid Waste and Recycling Board of Beaufort County

Monthly Convenience Center Total Traffic Information

	January FY 11	January FY 12
Hilton Head	21,749	25,736
* Bluffton	23,483	20,885
Lobeco	7,260	6,958
Sheldon	1,309	1,331
Big Estate	1,079	1,048
* Shanklin	10,632	11,652
Gate	13,141	13,319
St. Helena	23,286	24,399
Coffin Point	1,247	1,198
Cuffy	1,127	747
* Pritchardville	8,673	10,127
Total Traffic for ALL Convenience Centers	112,986	117,400

* Pritchardville, Bluffton & Shanklin - Attendant's Numbers FY12

Average Monthly Traffic YTD by Fiscal Year

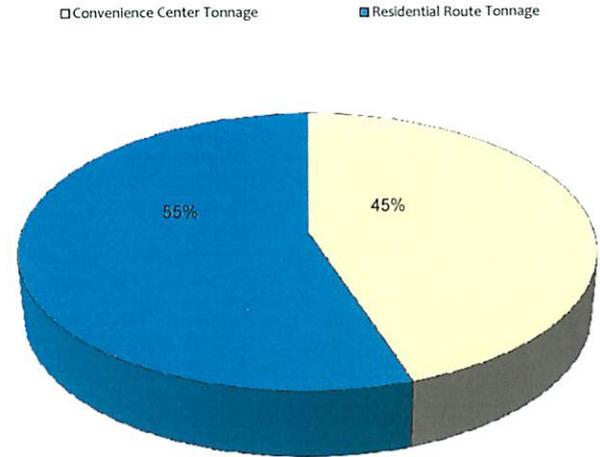


Solid Waste and Recycling Division Monthly Update
February Fiscal Year 2012
Distributed to the Solid Waste and Recycling Board of Beaufort County

Recycling Activity by Solid Waste District

Solid Waste District	Convenience Center Tonnage	Residential Route Tonnage	Overall County Tonnage by District	Commercial Tonnage
District 1 City of Beaufort		62.75	62.75	0.00
District 2 Town of Port Royal		0.00	0.00	0.00
District 3 Town of Hilton Head	86.91	105.41	192.32	16.70
District 4 Town of Bluffton	75.85	85.29	161.14	41.37
District 5 Sheldon Township	0.00	0.00	0.00	0.00
District 6 Unincorporated Port Royal Island	28.05	0.00	28.05	0.00
Solid Waste District 7 Unincorporated Lady's Island	0.00	0.00	0.00	0.00
Solid Waste District 8 St. Helena & Islands East	46.62	0.00	46.62	0.00
Solid Waste District 9 Unincorporated Bluffton Township	26.58	70.51	97.09	0.00
Daufuskie	0.00	0.00	0.00	0.00
OVERALL COUNTY TONNAGE	264.01	323.96	587.97	58.07
COUNTY TONNAGE PLUS NEWSPAPER	64.89	0.00	652.86	

Monthly Comparison of Residential Recycling Sources



YTD Residential Recycling Tonnage

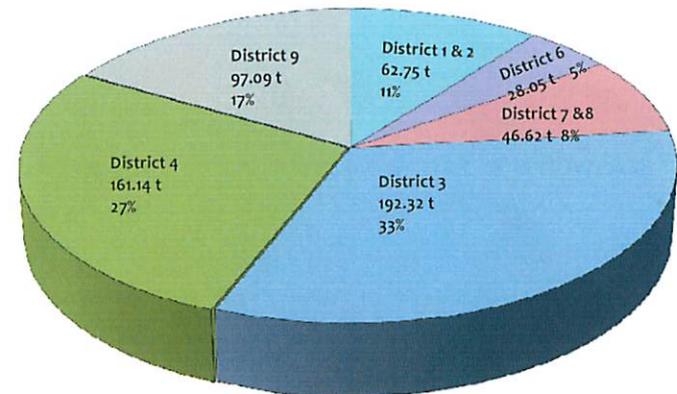
	Convenience Center Tonnage	Residential Route Tonnage	YTD Residential Tonnage
YTD Residential Tonnage	2,491.93	2,877.30	5,369.23
YTD Residential Tonnage + Newspaper			5,863.11

Fiscal Year Overall County Recycling Tonnage & Services Comparison

Month	FY 11 Recycling Tonnage	FY 12 Recycling Tonnage	FY 11 Recycling Services Cost	FY 12 Recycling Services Cost
July	606.24	645.93	\$21,321	\$25,039
August	612.70	758.02	\$19,450	\$24,346
September	621.04	701.63	\$27,998	\$17,867
October	586.96	703.22	\$29,044	\$13,697
November	647.34	770.72	\$24,536	\$24,023
December	702.36	855.43	\$25,496	\$30,022
January	618.16	775.30	\$22,634	\$17,608
February	591.84	652.86	\$27,574	\$19,239
March	691.03		\$14,381	
April	770.39		\$22,162	
May	651.59		\$30,136	
June	740.25		\$14,320	
TOTAL	7,840	5,863	\$279,052	\$171,840

Residential Tonnage + Newspaper Tonnage NO Commercial Tonnage

Overall County Tonnage Comparison by District



Solid Waste Recycling Budget Status

	FY11 Through February	FY12 Through February	FY11 % Expended YTD	FY12 % Expended YTD
Recycling Services	\$198,053	\$171,840	53%	49%

Solid Waste and Recycling Division Monthly Update

Fiscal Year 2012

Distributed to the Solid Waste and Recycling Board of Beaufort County

Fiscal Year 12 Recycling Revenue

Month/Year	Charleston Steel	SP Recycling	Santee Cooper	Interstate Batteries
Jul-11		\$5,264		\$170
Aug-11		\$6,200	\$1,292	
Sep-11	\$60,564	\$6,439	\$3,028	\$130
Oct-11		\$6,329	\$3,226	\$525
Nov-11		\$5,436	\$1,674	\$208
Dec-11		\$3,781	\$2,310	\$236
Jan-12		\$3,168	\$1,215	
Feb-12	\$56,109	\$3,413	\$3,124	\$217
Mar-12				
Apr-12				
May-12				
Jun-12				
Sub Totals	\$116,673	\$40,029	\$15,869	\$1,486
GRAND TOTAL TO DATE				\$174,057

Fiscal Year 12 MRF Credit

Month/Year	Waste Management (MRF) *credit towards processing costs
Jul-11	\$13,172
Aug-11	\$19,205
Sep-11	\$20,512
Oct-11	\$15,684
Nov-11	\$10,451
Dec-11	\$12,937
Jan-12	\$21,305
Feb-12	\$7,721
Mar-12	
Apr-12	
May-12	
Jun-12	
Total	\$120,986

t = tons

FEBRUARY FISCAL YEAR 12 SW&R BY DISTRICT

- ★ Land Fills
 - Citizen Convenience Centers
 - ▲ Un-manned Citizen Convenience Center
- Solid Waste Districts**
- 1 City of Beaufort
 - 2 Town of Port Royal
 - 3 Hilton Head Island
 - 4 Town of Bluffton
 - 5 Sheldon Township
 - 6 Unincorporated Port Royal Island
 - 7 Unincorporated Lady's Island
 - 8 St Helena Island & Islands East
 - 9 Unincorporated Bluffton Township

Solid Waste District 5
 MSW & Bulky = 136.58t
 Yard Waste = 3.50t
 C&D = 0.00t
 Recycling = 0.00 t

Solid Waste District 1
 MSW & Bulky = 257.51t
 Yard Waste = 149.31t
 C&D = 6.34t
 *Recycling = 62.75t
 *Combined SW Districts 1 & 2

Solid Waste District 7
 MSW & Bulky = 155.20t
 Yard Waste = 14.79t
 C&D = 12.31t
 Recycling = 0.00t

Solid Waste District 6
 MSW & Bulky = 462.48t
 Yard Waste = 60.12t
 C&D = 18.52t
 Recycling = 28.05t

Solid Waste District 8
 MSW & Bulky = 326.56t
 Yard Waste = 71.78t
 C&D = 62.30t
 Recycling = 46.62t

Solid Waste District 9
 MSW & Bulky = 920.19t
 Yard Waste = 26.69t
 C&D = 6.25t
 *Recycling Total= 97.09t
 *See SW District 4 Overlap btwn Districts

Solid Waste District 2
 MSW & Bulky = 110.91t
 Yard Waste = 90.27t
 C&D = 0.00t
 Recycling = *See SW District 1

Solid Waste District 4
 MSW & Bulky = 401.43t
 Yard Waste = 80.50t
 C&D = 121.32t
 *Recycling = 161.140t
 * See SW District 9
 Overlap btwn Districts

Solid Waste District 3
 MSW & Bulky = 910.40t
 Yard Waste = 63.00t
 C&D = 2.11t
 Recycling = 192.32t

Daufuskie
 MSW & Bulky = 11.36t
 Recycling = 0.00t

*Beaufort County
 Solid Waste Districts*

Prepared by
 Beaufort County
 GIS Division
 Printed July 20, 2009






Recycling Activity by Solid Waste District										
Fiscal Year 12	DISTRICT 1 & 2	DISTRICT 3			DISTRICT 4			DISTRICT 5		
	Residential Route Recycling Tonnage	Convenience Center Recycling Tonnage	Residential Route Recycling Tonnage	Residential Total Tonnage (CC + RR)	Convenience Center Recycling Tonnage	Residential Route Recycling Tonnage	Residential Total Tonnage (CC + RR)	Convenience Center Recycling Tonnage	Residential Route Recycling Tonnage	Residential Total Tonnage (CC + RR)
Recycling										
Jul-11	68.53	101.34	134.20	235.54	89.68	57.57	147.25	0.00	0.00	0.00
Aug-11	73.93	107.92	174.37	282.29	85.30	77.39	162.69	0.00	0.00	0.00
Sep-11	78.95	94.96	145.10	240.06	73.33	76.92	150.25	0.00	0.00	0.00
Oct-11	66.24	112.99	123.59	236.58	100.61	74.76	175.37	0.00	0.00	0.00
Nov-11	68.64	95.89	139.61	235.50	93.96	105.72	199.68	0.00	0.00	0.00
Dec-11	87.11	123.85	122.28	246.13	120.71	107.97	228.68	0.00	1.93	1.93
Jan-12	79.15	109.75	142.85	252.60	96.68	95.02	191.70	0.00	0.00	0.00
Feb-12	62.75	86.91	105.41	192.32	75.85	85.29	161.14	0.00	0.00	0.00
Mar-12				0.00			0.00			
Apr-12				0.00			0.00			
May-12				0.00			0.00			
Jun-12				0.00			0.00			
Fiscal Year 12 Total	585.30	833.61	1087.41	1921.02	736.12	680.64	1416.76	0.00	1.93	1.93

Fiscal Year 12	DISTRICT 6			DISTRICT 7	DISTRICT 8			DISTRICT 9			DAUFUSKIE (9A)
	Convenience Center Recycling Tonnage	Residential Route Recycling Tonnage	Residential Total Tonnage (CC + RR)	Residential Route Recycling Tonnage	Convenience Center Recycling Tonnage	Residential Route Recycling Tonnage	Residential Total Tonnage (CC + RR)	Convenience Center Recycling Tonnage	Residential Route Recycling Tonnage	Residential Total Tonnage (CC + RR)	Residential Route Recycling Tonnage
Recycling											
Jul-11	25.21	0.00	25.21	2.79	47.37	0.00	47.37	32.05	35.18	67.23	0.00
Aug-11	30.82	0.00	30.82	0.00	53.56	0.00	53.56	29.69	66.04	95.73	0.00
Sep-11	25.49	0.00	25.49	0.00	52.16	0.00	52.16	28.98	68.56	97.54	0.00
Oct-11	20.34	0.00	20.34	0.00	46.80	0.00	46.80	31.83	69.85	101.68	0.00
Nov-11	27.78	0.00	27.78	1.78	65.18	0.00	65.18	29.15	70.52	99.67	0.00
Dec-11	38.50	0.00	38.50	0.00	72.26	0.00	72.26	39.74	69.21	108.95	0.00
Jan-12	27.89	0.00	27.89	0.00	62.03	0.00	62.03	34.12	67.58	101.70	0.00
Feb-12	28.05	0.00	28.05	0.00	46.62	0.00	46.62	26.58	70.51	97.09	0.00
Mar-12			0.00				0.00			0.00	
Apr-12			0.00				0.00			0.00	
May-12			0.00				0.00			0.00	
Jun-12			0.00				0.00			0.00	
Fiscal Year 12 Total	224.08	0.00	224.08	4.57	445.98	0.00	445.98	252.14	517.45	769.59	0.00
Fiscal Year 12 YTD Total for ALL Solid Waste Districts * Does not include Newspaper *											5,369.23

SECTION 5.0 – Future Solid Waste Management

In general, there are three classifications for landfills in South Carolina:

- Class 1 landfills accept land-clearing debris;
- Class 2 landfills accept construction and demolition debris; and
- Class 3 landfills accept household garbage – or MSW.

Source: South Carolina Solid Waste Management Annual Report FY 2010

5.1 Waste Stream Projections

5.1.1 Class One Waste (Land Clearing Debris and Yard Trash) – Yard trimmings are defined as less than four feet in length and less than six inches in diameter. The county currently sends yard trimmings to a facility where it is ground into mulch and sold as boiler fuel. This practice is classified as recycling according to the state of South Carolina. The County recycled 6,627 tons of Yard Trimmings in this manner in FY2010.

5.1.2 Class Two Waste (Construction, Demolition, and Land Clearing and Industrial) - According to the 2010 South Carolina Solid Waste Annual Report, the amount of Class Two Waste generated within Beaufort County for disposal in Class Two landfills was 20,201 tons.

Beaufort County's average Class Two waste generation rate of 3.21 pounds per person per day (p/p/d) was calculated based upon the five year period between FY06 - FY10. There is a general trend to divert demolition debris from disposal toward production of a recycled product. Beaufort County plans to explore these options.

5.1.3 Class Three Waste (Municipal, Industrial, Sludge, Incinerator Ash) - According to the 2010 South Carolina Solid Waste Management Annual Report, the amount of Class Three waste generated within Beaufort County for disposal at Hickory Hill landfill was 148,470 tons. This total includes both residential and commercial tonnage. Beaufort County's average municipal solid waste generation rate of 5.94 p/p/d was calculated based upon the five year period between FY06 - FY10.

Table 5 illustrates the Class Two and Class Three waste generation projections for the coming years (based on the average generation rate from FY06 - FY10, and the projected population).

SECTION 5.0 – Future Solid Waste Management

Table 1 – Beaufort County Waste Generation Projections (2015-2035)
(tons per total population per year)

Year	Population	Waste Generation (tons)	
		Class Three	Class Two
2015	170,640	184,982	99,965
2020	185,220	200,788	108,507
2025	199,780	216,572	117,036
2030	215,270	233,363	126,111
2035	230,240	249,592	134,880

Source: Population Projections - SC Budget & Control Board, Office of Research & Statistics

SECTION 5.0 – Future Solid Waste Management

5.2 Collection, Temporary Storage, and Transportation of Solid Waste

All solid waste facilities and equipment in Beaufort County are planned, designed, and operated as an integral function of this Plan. All facilities and equipment must be selected to ensure maximum efficiency for operations, proper locations for use by citizens and transportation cost, safety, and the lowest possible purchase price.

Beaufort County will strive to improve solid waste management and recycling technologies to minimize the amount of waste disposed of in landfills. Beaufort County will continue to utilize its convenience/recycling drop-off centers for the collection of Class Two (as previously described) and Class Three waste and recyclables. The municipalities utilize curbside pick-up. In Beaufort County the garbage trucks transport the waste to Hickory Hill Landfill. Most garbage trucks are designed for operation on paved roads. When full, they must either dump the solid waste at a landfill or a local transfer station. Due to the lack of a transfer station in Beaufort County, they must transit the dirt road at the landfill site to the top of the hill where garbage is dumped and then compacted into the landfill. Transiting the roads to the top is rough on chassis and truck tires. In wet weather the road is often so muddy and slick that each truck must be winched to the top of the landfill to dump. All of these conditions result in increased maintenance costs for hauling companies and also increased hauling time. In comparison, a transfer station has a concrete tipping floor where trucks can drive in and dump in just a few minutes in all weather conditions. Haulers are generally willing to pay a premium of several dollars per ton to tip at a transfer station.

5.3 Solid Waste Transfer Stations

A transfer station, as defined by the S.C. Solid Waste Policy and Management Act of 1991 (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 facility. A transfer station can be designed to transfer or process recyclables as well as collect and properly manage materials that may be better managed outside the solid waste stream such as household hazardous waste, tires, used oil, and electronics. Beaufort County does not have access to a transfer station.

Currently, the County can only access a single landfill in an economically feasible way given

SECTION 5.0 – Future Solid Waste Management

the distance to all other disposal facilities and that landfill, Hickory Hill, has a limited capacity based on both permitted disposal rate (5.3 years) and estimated remaining life of facility (8.3 years) (SCSWM Annual Report FY2010). Without a transfer station to consolidate waste for longer distance transport, the only option for Beaufort County solid waste disposal is the Hickory Hill Landfill. Beaufort County has authorized several investigations into solutions for this issue. In 2005 R. W. Beck evaluated disposal options for the County including a cost analysis for transferring, hauling, and disposing of waste under each option. In 2010, the same firm performed an update of these activities:

Identify and interview potential facilities

Nine of fourteen landfills contacted expressed an interest in accepting solid waste from Beaufort County. One of the nine is Three Rivers Solid Waste Authority located near Aiken, SC. The Three Rivers Solid Waste Authority currently provides solid waste management services to local governments in Aiken, Allendale, Bamberg, Barnwell, Calhoun, Edgefield, Orangeburg, and Saluda counties (SCSWM Annual Report FY2010).

Estimate range of capital costs associated with a 500 ton per day transfer station (182,500 T/yr)

Estimated total capital cost: High \$6,025,000; Low \$4,896,700 If financed over 20 years at 4 % interest, the annual cost of debt retirement at the high capital cost estimate would be \$443,330, or \$2.84/ton. The annual cost of debt retirement at the low capital cost estimate of \$4,896,700 at the same terms would be \$360,308 or \$2.31/ton.

Estimate range of cost per ton for a transfer, haul, and disposal scenario, including financing costs of capital.

Projected costs associated with development and operation of a single 500 ton/day facility, including transportation to and disposal at the Three Rivers Solid Waste Authority landfill and payback on the loan for capital costs. High estimate is \$53.09/ton and the low estimate results in a cost of \$46.24/ton.

Full-cost disclosure is defined as the local government's total cost for operating a solid waste program. Costs reported include expenditures for all activities related to collecting, disposing of and recycling solid waste. Utilization of Beck's transfer station cost estimates and Beaufort County's FY10 Full Cost Disclosure shows that the addition of a transfer station would increase the total cost per capita by approximately \$3.76. Total cost per capita was \$28.59 in FY10.

The addition of a transfer station would give Beaufort County flexibility regarding disposal of solid waste and offer haulers a more efficient way to dump their loads in inclement weather.

SECTION 5.0 – Future Solid Waste Management

This would result in a 13% increase in cost per capita for solid waste disposal, but solve some serious environmental problems that will be coming within a twenty year time frame. Beaufort County's only option for disposal without the addition of a transfer station is Hickory Hill Landfill, which has a limited capacity based on both permitted disposal rate (5.3 years) and estimated remaining life of facility (8.3 years) (SCSWM Annual Report FY2010). Beaufort County plans to site, permit and construct a transfer station of suitable capacity to handle waste streams for the next 20 years.

5.4 Solid Waste Processing Facilities

According to SCDHEC, a "solid waste processing facility", means a combination of structures, machinery, or devices utilized to reduce or alter the volume, chemical, or physical characteristics of solid waste through processes, such as baling or shredding, prior to delivery of such waste to a recycling or resource recovery facility or to a solid waste treatment, storage, or disposal facility and excludes collection vehicles. Beaufort County does not have any existing facilities or plans to install one within the next 20 years.

5.5 Class One Landfills (Land-Clearing Debris and Yard Trash)

As described in Section 4.6, there are no Class One Landfills (Land-Clearing Debris and Yard Waste) operating in Beaufort County. Land-clearing debris and yard waste generated within the County either goes to existing Class Two landfills or is ground and sold as boiler fuel or mulch. Beaufort County's preference is to recycle these materials and will continue to explore opportunities to do so. Beaufort County does not foresee the need or plan to construct a class one landfill within the next 20 years.

5.6 Class Two Landfills (Construction, Demolition, and Land-Clearing Debris and Industrial Waste)

As described in section 4.7, Beaufort County hosts one privately owned Class Two Landfill. That landfill, Barnwell Resources, has an estimated 50 years of additional operational life. The County also disposes of Class 2 waste at the Oakwood Landfill located in Jasper County. There is a general trend to divert Class Two waste containing construction/demolition debris (C & D) from disposal toward production of a recycled product. Beaufort County plans to explore opportunities and the facilities needed to recycle C & D for this 20 year master plan.

SECTION 5.0 – Future Solid Waste Management

5.7 Class Three Landfills (Municipal, Industrial, Sludge, Incinerator Ash)

Currently Beaufort County's Class 3 waste is disposed of at the Hickory Hill Landfill located in Jasper County. According to the 2010 SCDHEC Solid Waste Management Annual Report, the estimated remaining life of the Hickory Hill Landfill based on permitted and current disposal rate is 5.3 to 8.3 years. Because of this, Beaufort County needs to secure another outlet for waste disposal within a short timeframe (2 to 3 years).

As mentioned previously in Section 5.3, Solid Waste Transfer Station, Beaufort County can only access a single landfill in an economically feasible way given the distance to all other disposal facilities. Without a transfer station to consolidate waste for longer distance transport, the only option for Beaufort County solid waste disposal is the Hickory Hill Landfill. The Act states that a county has "the responsibility and authority to provide for the operation of solid waste management facilities to meet the needs of all incorporated or unincorporated areas of the county." The stated purpose of the Act is to provide for solid waste management in the "most environmentally safe, economically feasible and cost-effective manner." To this end the County has concluded that the most prudent long range plan is to site a transfer station either in Beaufort County, if possible, or a neighboring county. A transfer station is safe environmentally, because garbage trucks will be able to dump their loads in all types of weather, allow for year round collection of household hazardous wastes, and add flexibility to utilize more than one landfill that has a limited remaining life. The cost analysis will require a cost increase of approximately 10-15% per capita which is reasonable when the alternative is no disposal options. In order to address the potential lack of Class Three Landfill space, Beaufort County's best option is to create access to a transfer station. Once the transfer station is operable, Beaufort County plans to pursue Class 3 waste disposal at landfills providing the lowest cost alternatives over the 20 year planning period.

5.8 Solid Waste Incinerators

Beaufort County currently has no operating solid waste incinerators. There are two air curtain incinerators operating to incinerate land clearing debris. They are privately owned facilities one located on Daufuskie Island and one in Bluffton currently not under permit. Because of both environmental and cost concerns relating to solid waste incinerators, the County has concluded that a better solution to our limited disposal capacity at the Hickory Hill Landfill, is to create access to a transfer station. Therefore, no new solid waste incinerators will be

SECTION 5.0 – Future Solid Waste Management

necessary to fulfill the capacity requirements of the County.

5.9 Composting and Wood Chipping/Shredding Facilities

Four (4) permitted and privately owned wood grinding facilities are located in Beaufort County. In FY10 the facilities accepted approximately 78,490 tons. These facilities provide sufficient capacity to the County for the planning period and beyond. Therefore, current wood chipping and composting facilities are sufficient to fulfill the capacity requirements of the County. New composting and chipping facilities will be considered that increase current recycling options for this waste stream on a case by case basis.

5.10 Used Oil Collection and Processing Facilities

Used oil, oil filters, and oil bottles generated by residents of Beaufort County are collected at each of the County's convenience/recycling drop-off centers. The used oil collected at these sites is collected in tanks for Santee Cooper's Give Oil for Energy Recovery (GOFER) program. Santee Cooper collects the used oil when the tanks reach capacity and transports it to Santee Cooper's Jefferies Generating Station where the recycled oil is used for fuel to generate electricity. A private contractor collects the used oil filters from the collection facilities. The County intends to manage this waste in the same or a similar manner in the future. No new permitted Used Oil Collection and Processing Facilities will be necessary to fulfill the capacity requirements of the County.

5.11 Waste Tire Haulers, Collectors, Processing Facilities, and Disposal Facilities

Waste tires generated in Beaufort County are accepted at County Convenience Centers. The waste tires are collected at the centers and transported to a permitted central collection site, the Beaufort County Tire/Baler Building. The waste tires are then transported for recycling by SCDHEC registered haulers. The county intends to continue to manage waste tires in this manner. Waste tires from commercial retailers are currently not received at the site. No permitted waste tire processing facilities or disposal facilities are currently located in Beaufort County. With sufficient management capacity, no new Waste Tire Collectors, Waste Tire Processing Facilities, or Waste Tire Disposal Facilities will be necessary to fulfill the capacity requirements of the County for the planning period.

SECTION 5.0 – Future Solid Waste Management

5.12 Research, Development, and Demonstration (RD&D) Permits

RD&D projects will be unnecessary to meet the county's solid waste management requirements during the planning period.

5.13 Land Application of Solid Waste Permits

Beaufort County currently has no operating Land Application from Solid Waste Facilities. None will be needed to fulfill the solid waste management requirements of the County during the planning period.

5.14 Recycling Programs

Beaufort County plans to continue its recycling programs through the use of its convenience/recycling drop-off centers. A curbside recycling program exists in the City of Beaufort, Town of Port Royal, Town of Bluffton, and The Town of Hilton Head offers a franchised hauler as a curbside recycling option. Because curbside pick-up is the most convenient method of recycling, and the public is more likely to recycle based on convenience, in areas where the population density is high enough, the County will pursue initiation of mandatory curbside recycling. Beaufort County will continue to educate its residents on the importance of recycling.

For FY10, citizens of the County disposed of 4.1 p/p/d of defined MSW compared to the statewide average of 3.7p/p/d. Additional recycling would be desirable since the current disposal rate must be decreased by 0.6 p/p/d in order to meet the state goal of 3.5 p/p/d.

The County has recently implemented an in-house recycling program that includes 38 stops and yielded 4 tons of material in November of 2011. Beaufort County will seek to expand its public education programs to make citizens, commercial businesses, retailers, etc. more aware of the need to reduce waste and about the opportunities that exist for recycling. Access to a transfer station will not only allow for more flexibility in waste handling and disposal options, but will also enable workers to screen incoming wastes to separate out readily recyclable materials. The option of including a Materials Recycling Facility or a recyclable processing area will be considered for inclusion with the construction of a transfer station. This would enable the County to market it's recyclables according to the most economical practices available.

SECTION 5.0 – Future Solid Waste Management

5.15 Special Wastes

As mentioned in Chapter 4, Special Waste is defined as commercial or nonresidential solid waste, other than regulated hazardous wastes, that are either difficult or dangerous to handle and require unusual management at MSW landfills. Special Waste includes but is not limited to pesticide wastes, liquid wastes, sludge, industrial process wastes, wastes from pollution control processes, residue or debris from chemical cleanups, contaminated soil from a chemical cleanup, containers and drums, and animal carcasses. Beaufort County does not accept special waste. Special waste is not currently accepted at the County's convenience/recycling drop-off centers.

5.16 Household Hazardous Materials (HHM)

Beaufort County's Public Works department currently works with local citizens' groups to hold one-day events each year to collect HHM from residents. In addition to the yearly one-day events, approximately 800 gallons of paint/week are collected at the convenience centers. The option of including HHM collection facilities will be considered for inclusion with the construction of a transfer station, allowing for year round collection of materials such as paint, pesticides, cleaning supplies, and batteries.

5.17 Import and Export of Waste

Per the Beaufort County Code (ARTICLE III, Section 62-28), the County does not accept waste generated outside of Beaufort County at County operated facilities.

5.18 Storm Debris Management

Beaufort County has a Debris Management Plan to guide the County during major storm events. Due to the size of the document it is not included in this Plan.

SECTION 6.0 – Future Solid Waste Management

6.1 Reduction

In June 2000, the solid waste management goals outlined in the Solid Waste Policy and Management Act of 1991 were revised as follows:

“It is the goal of this State to reduce, on a statewide per capita basis, the amount of MSW being received at municipal solid waste landfills to 3.5 pounds per day not later than June 30, 2005.”

In addition, the following definition was amended stating:

“MSW includes, but is not limited to, wastes that are durable goods, nondurable goods, containers and packaging, food scraps, yard trimmings, and miscellaneous inorganic wastes from residential, commercial, institutional, and industrial sources including, but not limited to, appliances, automobile tires, old newspapers, clothing, disposable tableware, office and classroom paper, wood pallets, and cafeteria wastes. MSW does not include solid wastes from other sources including, but not limited to, construction and demolition debris, auto bodies, municipal sludges, combustion ash, and industrial process wastes that also might be disposed of in municipal waste landfills or incinerators.”

For FY10, citizens of the County disposed of 4.1 p/p/d of defined MSW compared to the statewide average of 3.7 pounds per day. In order for Beaufort County to meet the 3.5 p/p/d reduction goal, County residents in conjunction with businesses and organizations must reduce the amount of defined MSW generated within the County for disposal. Methods that will be used to promote source reduction include speaking engagements, tours of solid waste and recycling facilities, newspaper articles, radio and TV commercials, and displays. A continued educational effort in source reduction is anticipated to decrease the amount of waste transported for disposal in landfills. The public must become better informed of the benefits of recycling and the various ways in which residents can help in this endeavor. By separating out a greater percentage of recyclable aluminum, paper, cardboard, plastic, and E-Waste, Beaufort County’s waste stream can be greatly reduced.

SECTION 6.0 – Future Solid Waste Management

6.2 Recycling

The South Carolina Solid Waste Policy and Management Act of 1991 mandated a 25% recycling goal, calculated by weight, based on a per capita waste generation rate. In June 2000, the solid waste management goals were revised as follows:

“It is the goal of this State to recycle, on a statewide basis, at least thirty-five percent (35%), calculated by weight, of the MSW stream generated in this State no later than June 30, 2005.”

For Fiscal Year 2010 the County recycled 20.8% of the defined Class Three waste generated in the County compared to the statewide average of 25.5%. Markets drive recycling efforts and too often adversely impact those efforts. To meet the 35% goal, public education will be utilized to inform residents of recycling programs being implemented within Beaufort County and the best way for each resident to participate. An informed public is more likely to recycle than an uneducated public. Beaufort County will place a larger emphasis on recycling with commercial businesses, retailers, etc. in an effort to increase the County's overall recycling rate. Beaufort County will continue to develop and distribute literature that focuses on recycling and its importance to the environment.

6.3 Educational Programs

A public education program is to inform the public, students, key decision makers and community representatives about current solid waste management practices, the need for waste reduction and recycling activities and future solid waste management plans in order to institute positive changes as needed. The program should modify and change habits regarding solid waste with a continuous ongoing campaign.

All educational efforts will target the residents of Beaufort County with an emphasis on the collection service area residents and drop-off/recycling center customers. The method of educational delivery will be through local media, radio and newspaper, small group presentations, exhibits, displays, and demonstrations. Educational leaflets will be distributed where applicable (such as convenience stations, public buildings, and

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through curbside collection companies). In addition, information regarding Beaufort County's solid waste recycling program can be obtained from the County's website:

<http://www.bcgov.net/about-beaufort-county/public-service/solid-waste-and-recycle/index.php>

All educational programs will be evaluated and revised according to the change in residents' behavior as indicated by the Class Three waste stream reduction and increase in the collection of recyclable material. Recycling and source reduction for businesses and industries will be conducted and promoted through the overall education program.

The South Carolina Office of Solid Waste Reduction and Recycling was created by the Solid Waste Policy and Management Act of 1991 and is part of the Division of Mining and Solid Waste Management. The Office of Solid Waste Reduction and Recycling, in accordance with the Act, provides educational, technical, and grant assistance to local governments, schools, colleges, and universities and the public regarding solid waste management issues. Beaufort County has and will continue to work with the Office of Solid Waste Reduction and Recycling to obtain assistance with their public education campaign and grant program.

6.4 Technical Assistance

Contacts for information concerning solid waste management, recycling, and source reduction in Beaufort County are as follows:

Mr. Jim Minor, Solid Waste Manager

Beaufort County
Public Works North
140 Shanklin Rd.
Beaufort, SC
Phone: (843) 255-2735
E-mail: jminor@bcgov.net

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Ms. Carol Murphy, Recycling Coordinator

Beaufort County

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