

# Combustion Renewable Energy Users in South Carolina

## 2007

Plant Name, City, County 7-02-07	Renewable Fuel Used  Wood Feedstock (types)	Renewable Fuel Used  Volume per year (tons)	Boiler Type  Rated Capacity MMBTU	Energy Produced  kWh: lbs: MMBTU:	Other Data
1. Black River Hardwood Co. Inc., Kingstree, SC Williamsburg Co	Sawdust Wood Waste	1,500	8.08 MMBTUH		
2. Bowater Inc., Catawba, SC York Co	Bark, Sawdust, Ground Pallets, Residential Wood Waste	475,000	Boiler #1 375 MMBTUH Boiler #2 375 MMBTUH	64, MW  499,300 MWh/yr	Power not Grid connected.
3. Carolina Furniture Works Inc., Sumter, SC Sumter Co	Wood Waste	996	BLR #1 15 MMBTU BLR #2 9 MMBTU		
4. Cameron Lumber Co., Cameron, SC Calhoun Co	Wood Waste		16 MMBTUH		
5. Carr Storage	Wood Waste		10.47 MMBTUH		
6. Carter Manufacturing Co., Lake City, SC Florence Co	Wood Waste Bark, Shavings, Veneer Waste	2,190	7.2 MMBTUH		
7. Coastal Lumber, Walterboro, SC Colleton Co	Wood Waste, Green Sawdust and Dry Shavings	24,513	61.2 MMBTUH		
8. Cody Mfg. Co. Inc., Orangeburg, SC Orangeburg Co	Treated sawdust Wood chips	6			Very small operation.
9. Cogen South L.L.C. @ Mead Westvaco, Charleston, SC Charleston Co	Bark WTP Sludge	172,277 41,701	1,337 MMBTUH		980,000 lb/hr wood waste, coal, sludge boiler.
10. Collum Lumber Products, LLC Allendale, SC Allendale Co	Sawdust Shavings	19,610 14,942	33.5 MMBTUH 27 MMBTUH		
11. Council Energy Co., Orangeburg, SC Orangeburg Co	Wood Waste		39 MMBTUH 39 MMBTUH		Boiler #1 Boiler #2
12. Council Lumber Co., Orangeburg, SC Orangeburg Co	Wood Waste		4.93 MMBTUH 5.91 MMBTUH		Boiler #1 Boiler #2
13. Elliott Sawmilling Co. Inc., Estill, SC Hampton Co	Sawdust	74,439		671,182 Mw	
14. Georgia Pacific Corp., Prosperity Plywood Prosperity, SC Newberry Co	Bark Sanders dust Ply trim Woodchips	112,451	200 MMBTUH		
15. Georgia Pacific, Holly Hill, SC Orangeburg Co	Southern Pine – Wood waste- Bark and Sander Dust	45,070	333.6 MMBTUH		

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16. Georgia Pacific: Russellville Particleboard, St. Stephens, SC Berkeley Co	Wood Waste		30.8 MMBTUH 30.8 MMBTUH 249 MMBTUH		Boiler #1 Boiler #2 Boiler #3 Direct fired furnishes dryers/2 cyclones.
17. Hutto Lumber, Leesville, SC Lexington Co	Wood Waste Sawdust	2,600	8 MMBTUH		Direct fire
18. Ingram Lumber Co., Leesville, SC Lexington Co	Wood Waste Sawdust and Shavings	7,210.60	19.76 MMBTUH		Kiln 2
	Wood Waste Sawdust and Shavings	16,446	26.0 MMBTUH		Kiln 3
	Wood Waste Sawdust and Shavings	5,475	15.0 MMBTUH		Kiln 4
	Wood Waste Sawdust and Shavings	192.4	MMBTUH		Kiln 5 New
19. International Paper Eastover Mill, Eastover, SC Richland Co	Bark and Wood Waste	320,000	500 MMBTUH		Boiler
20. IP: Johnston Lumber Mill, Johnston, SC Saluda Co	Dried wood shavings	17,912	28.7 MMBTUH		Hearst hybrid burns 6,214 tons of dried shavings.
21. IP: Newberry, Newberry, SC Newberry Co	Wood Waste	18,971.30	28.7 MMBTUH		Boiler #1
	Wood Waste	18,971.30	28.7 MMBTUH		Boiler #2
	Wood Waste	18,971.30	28.7 MMBTUH		Boiler #3
22. IP: Sampit, Georgetown, SC Georgetown Co	Wood Waste Bark and Chips, in house.	70,000	63.7 MMBTUH		Boiler
23. Kearsae Mfg. Company Inc., Olar, SC Bamberg Co	Hardwood Chips Bark, Sawdust	4,000 2,000	25 MMBTUH		Wood Fired Tube Boiler 475 HP.
24. Kiser, VP Lumber, Bowman, SC Orangeburg Co	Wood waste, green saw dust, dry shavings	6,8000	19.13 MMBTUH		
25. Koppers Inc., Florence, SC Florence Co	Pine, Mixed & Oak	18,000	29,145 MMBTUH		Most of the Wood fuel used on site comes from Florence Pole and Piling and is generated from the pole peeling process.
26. Korn Industries Sumter Cabinet, Sumter, SC Sumter Co	Wood waste		7.725 MMBTUH		Boilers 1,2,3and 4
27. Marsh Lumber Co., Pamplico, SC Florence Co	Wood waste		6.7 MMBTUH		Boiler #1
	Wood waste		5.6 MMBTUH		Boiler #2
28. M.L. Corley & Sons Sawmill, Inc., Lexington, SC Lexington Co	Southern Yellow Pine Sawdust	10,000	13.39 MMBTUH		Boiler Firebox Fuel (Gasification System) 400 HP.

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<b>29. Mead Westvaco South Carolina LLC, Charleston, SC Charleston Co</b>	Bark Sawdust	170,000 71,000	118 MMBTUH	85 MW	Bark, sawdust units are short tons @ 50% moisture
<b>30. Mead Westvaco Summerville Lumber Mill, Charleston, SC Charleston Co</b>	Dry Wood Shavings	16,640	3@ 15 MMBTU 1@ 24 MMBTU		Use direct fire kilns.
<b>31. New South Camden Plant, Camden, SC Kershaw Co</b>	Wood waste 60% bark and wet sawdust 40%	55,000	92 MMBTUH		
<b>32. New South Conway Plant, Conway, SC Horry Co</b>	Wood waste, Bark and sawdust	67,000	92 MMBTUH		
<b>33. Norbord South Carolina Inc. Kinards, SC Kershaw Co</b>	Pine Bark,	162,500	298 MMBTUH		Purchase approximately 50,000 tons/yr.
<b>34. Pilliod Furniture, Nichols, SC Marion Co</b>	Wood waste – (combination of particle board and MDF – material dense fiberboard)	988	16.8 MMBTUH		
<b>35. Smurfit Stone Container, Florence, SC Florence Co</b>	Bark Sawdust	570,000		73 Mw	
<b>36. Smurfit-Stone Container Corp. Latta, SC Dillon Co</b>		11,325			
<b>37. Sonoco- Hartsville, Hartsville, SC Darlington Co</b>	88.5% Bark and 11.5% sawdust (6.6 BTU/ton) and multiple waste products	31,000	178 MMBTUH	Some	Boiler #9 Circulating Fluidized Bed (CFB)
<b>38. GTP Greenville, Inc., Greenville, SC Greenville, Co</b>	Poplar Wood Waste, #2 Fuel Oil	900	12.5 MMBTUH		
<b>39. Talley-Corbett Box, Springfield, SC Orangeburg Co</b>	Wood waste		14.1 MMBTUH		
<b>40. Tucker, CM Lumber, Pageland, SC Chesterfield Co</b>	Wood waste		15 MMBTUH		Kiln
<b>41. Trigen Bio Powers, Greenwood, SC Greenwood Co</b>	Chips Sawdust	200	270 MMBTUH		Our allotment 2400 Tons/yr.
<b>42. United Wood Treating Co. Inc., Whitmire, SC Newberry Co</b>	Pine Bark & Dust	2,000	11.7 MMBTUH		
<b>43. Vaughn Bassett Furniture, Sumter, SC Sumter Co</b>	Wood waste	2,130	25 MMBTUH		
<b>44. Walterboro Veneer Co.,</b>	Wood waste	27,934	28.71 MMBTUH		Providing steam to Veneer Dryers 1,2

Plant Name, City, County 7-02-07	Renewable Fuel Used Wood Feedstock (types)	Renewable Fuel Used Volume per year (tons)	Boiler Type Rated Capacity MMBTU	Energy Produced kWh: lbs: MMBTU:	Other Data
Walterboro, SC Colleton Co					and 3.
	Wood waste		21.6 MMBTUH		Backup only
45. Warren & Griffin Co., Williams, SC Colleton Co	Wood waste		15.5 MMBTUH		
46. Weyerhaeuser: Chester Paper Mill, Fort Mill, SC York Co	Wood waste bark and sludge	115,500	210 MMBTUH		
47. Weyerhaeuser: Marlboro Paper Mill, Tatum, SC Marlboro Co	Wood waste bark and sludge	93,214	470 MMBTUH		
48. Withers Industries, Summerville, SC Dorchester Co	Wood waste and coal		14 MMBTUH		
49. Bowater Incorporated, Catawba, SC York Co					
50. MeadWesvaco, North Charleston, SC Charleston Co	Bark, waste treatment sludge	300,000		85 MW average, 98 MW 600,000 MWH/year	
51. Kauffman Truss Inc. Westminister, SC Oconee Co	Southern Yellow Pine	20			
52. King Lumber Inc., Liberty, SC	Sawdust Mulch	5000			
53. John R. Frazier, Inc. Timber & Land, Newberry, SC		2,000			Mostly left at docking sites. Yes, available for sale.
54. Edisto Wood Preserving Co., Olar, SC	Pine	4,000			
55. Kinard Wood Preserving Ernhardt, SC	Wood shavings from peeled posts & poles	4,500			Sold for mulch & fuel to companies.

Plant Name, City, County	Renewable Fuel Used - Used Motor Oil	Volume per year (tons)	Size of Boiler MMBTUH (if applicable)	Electricity Produced in Kw (if applicable)	Notes:
1. Carolina Pole, Eutawville, SC Orangeburg Co	5,000 gallons of used motor oil/wk	260,000	25 MMBTUH		750 HP Boiler
2. International Paper Eastover Mill, Eastover, SC Richland Co	Used Oil 2,000,000 gallons		Boiler Multiple		
3. Santee Cooper GOFER Program, Moncks Corner, SC Berkeley Co	Used Oil 2,124,107 gallons			22,762 MWH	

Plant Name, City, County	Renewable Fuel Used - Used Tires -	Volume per year (tons)	Size of Boiler MMBTUH (if applicable)	Electricity Produced in Kw (if applicable)	Notes:
1. International Paper Eastover Mill, Eastover, SC Richland Co	Tire Derived Fuel	20,000			Boiler

<b>Plant Name, City, County</b>	<b>Renewable Fuel Used - MSW -</b>	<b>Volume per year (tons)</b>	<b>Size of Boiler MMBTUH (if applicable)</b>	<b>Electricity Produced in Kw (if applicable)</b>	<b>Notes:</b>
1. Montenay Charleston Resource Recovery, North Charleston, SC Charleston Co.	Municipal solid waste (MSW)	220,000	130 MMBTUH		

<b>Plant Name, City, County</b>	<b>Renewable Fuel Used - Landfill Gas -</b>	<b>Volume per year (tons)</b>	<b>Size of Boiler MMBTUH (if applicable)</b>	<b>Electricity Produced in Kw (if applicable)</b>	<b>Notes:</b>
1. Ameresco/BMW, Spartanburg, SC Spartanburg Co	Landfill Gas Methane gas burned 4,000 standard cubic feet per minute		1,080,000 MMBTU/year	5.6 MW 25,638 MWh/year	
2. Horry County Landfill Gas Generation Facility, Conway, SC Horry Co	Landfill Gas Methane gas burned		218,300 MMBTU/year	3 MW 23,652 MWh/year	
3. Lee County Landfill Gas Generation Facility, Lee Co	Estimated. Commercial operation date in 1 <sup>st</sup> qtr 2005		376,400 MMBTU/year	5.4 MW 42,574 MWh/year	
4. Richland County Landfill Gas Generation Facility, Richland Co	Landfill Gas Estimated. Commercial operation date in 1 <sup>st</sup> qtr 2005		507,309 MMBTU/year	5.5 MW 45,771 MWh/year	
5. Anderson Regional Landfill Gas Generation Facility, Anderson Co	Landfill Gas Estimated. Commercial operation date in 1 <sup>st</sup> qtr 2005		507,309 MMBTU/year	5.5 MW 45,771 MWh/year	