

Table 1.8 Industrial Biomass Energy Consumption and Electricity Net Generation by Industry and Energy Sources, 2007

Industry	Energy Source	Biomass Energy Consumption (Trillion Btus)			Net Generation (Million Kilowatthours)
		Total	For Electricity	For Useful Thermal Output	
Total	Total	2,012.016	192.598	1,819.418	28,919
Agriculture, Forestry and Mining	Total	16.354	0.920	15.434	170
	Agricultural Byproducts/Crops	16.354	0.920	15.434	170
Manufacturing	Total	1,888.400	191.678	1,696.722	28,749
Food and Kindred Products	Total	37.018	0.624	36.394	107
	Agricultural Byproducts/Crops	33.776	0.178	33.597	37
	Other Biomass Gases	0.284	0.092	0.192	7
	Other Biomass Liquids	0.102	0.102	-	10
	Wood/Wood Waste Solids	2.857	0.253	2.604	52
Lumber	Total	259.626	9.495	250.131	1,214
	Sludge Waste	0.013	0.002	0.011	s
	Wood/Wood Waste Solids	259.613	9.493	250.120	1,214
Paper and Allied Products	Total	1,192.958	180.070	1,012.888	27,338
	Agricultural Byproducts/Crops	1.301	0.037	1.264	5
	Black Liquor	829.070	116.140	712.930	18,344
	Landfill Gas	0.062	0.007	0.055	1
	Municipal Solid Waste Biogenic ³	1.359	0.158	1.201	33
	Other Biomass Gases	0.192	0.015	0.177	3
	Other Biomass Liquids	0.011	0.002	0.009	s
	Other Biomass Solids	4.173	0.476	3.697	96
	Sludge Waste	6.257	1.233	5.024	210
	Wood/Wood Waste Liquids	2.800	0.348	2.452	66
Wood/Wood Waste Solids	347.732	61.654	286.079	8,579	
Chemicals and Allied Products	Total	2.959	0.871	2.088	35
	Landfill Gas	0.136	0.017	0.119	4
	Municipal Solid Waste Biogenic ³	0.706	0.706	-	3
	Other Biomass Liquids	0.028	0.004	0.024	1
	Other Biomass Solids	-	-	-	-
	Sludge Waste	0.394	0.057	0.337	11
Wood/Wood Waste Solids	1.695	0.087	1.608	16	
Biorefineries	Total	380.947	-	380.947	-
	Biofuel Losses and Coproducts ⁴	380.947	-	380.947	-
	Biodiesel Feedstock	0.863	-	0.863	-
	Ethanol Feedstock	380.084	-	380.084	-
Other ¹	Total	14.891	0.618	14.274	55
Nonspecified ²	Total	107.262	-	107.262	-
	Ethanol	12.393	-	12.393	-
	Landfill Gas	92.303	-	92.303	-
	Municipal Solid Waste Biogenic ³	2.566	-	2.566	-

¹Other includes Apparel; Petroleum Refining; Rubber and Misc. Plastic Products; Transportation Equipment; Stone, Clay, Glass, and Concrete Products; Furniture and Fixtures; and related industries.

²Primary purpose of business is not specified.

³Includes paper and paper board, wood, food, leather, textiles and yard trimmings.

⁴Losses and coproducts from production of biodiesel and ethanol calculated as the difference between energy in feedstocks and production.

s = Value is less than 0.5 of the table metric, but value is included in any associated total.

- = No data reported.

Note: Totals may not equal sum of components due to independent rounding. Starting with 2004 EIA adopted a new method of allocating fuel consumption between electric power generation and useful thermal out put (UTO) for combined heat and power (CHP) plants. The new method proportionately distributes a CHP plant's losses between the two output products (electric power and UTO) assuming the same efficiency for production of electricity as UTO.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report," Form EIA-920, "Combined Heat and Power Plant Report," and Form EIA-923, "Power Plant Operations Report;" Government Advisory Associates, Resource Recovery Yearbook and Methane Recovery Yearbook; U.S. Environmental Protection Agency, Landfill Methane Outreach Program estimates; ethanol and biofuel losses and coproducts: table 1.2 of this report; and analysis conducted by the Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels.