

**Table 1.8. Industrial Biomass Energy Consumption and Electricity Net Generation by Industry and Energy Sources, 2006**

Industry	Energy Source	Biomass Energy Consumption (Trillion Btus)			Net Generation (Million Kilowatthours)
		Total	For Electricity	For Useful Thermal Output	
Total	Total	1,966.043	357.655	1,608.388	28,897
Agriculture, Forestry and Mining	Total	13.199	2.888	10.310	181
	Agricultural Byproducts/Crops	13.199	2.888	10.310	181
Manufacturing	Total	1,868.156	354.767	1,513.389	28,716
Food and Kindred Products	Total	38.034	1.325	36.708	98
	Agricultural Byproducts/Crops	34.687	0.937	33.750	29
	Other Biomass Gases	0.610	0.042	0.568	8
	Other Biomass Liquids	0.069	0.069	0.000	6
	Wood/Wood Waste Solids	2.668	0.278	2.390	56
Lumber	Total	251.939	16.839	235.099	1,327
	Sludge Waste	0.073	0.015	0.058	2
	Wood/Wood Waste Solids	251.865	16.824	235.041	1,326
Paper and Allied Products	Total	1,256.298	334.917	921.381	27,190
	Agricultural Byproducts/Crops	1.381	0.065	1.316	6
	Black Liquor	853.151	220.683	632.467	17,949
	Landfill Gas	0.046	0.007	0.039	1
	Municipal Solid Waste Biogenic <sup>a</sup>	1.362	0.272	1.089	24
	Other Biomass Gases	0.267	0.031	0.237	4
	Other Biomass Liquids	0.004	0.001	0.003	0
	Other Biomass Solids	4.319	0.570	3.749	112
	Sludge Waste	5.331	2.275	3.056	171
	Wood/Wood Waste Liquids	26.976	3.831	23.146	154
	Wood/Wood Waste Solids	363.462	107.182	256.280	8,768
Chemicals and Allied Products	Total	4.521	0.860	3.661	34
	Landfill Gas	0.160	0.078	0.082	4
	Municipal Solid Waste Biogenic <sup>a</sup>	0.790	0.079	0.711	10
	Other Biomass Liquids	0.161	0.014	0.146	3
	Other Biomass Solids	0.005	0.000	0.005	0
	Sludge Waste	0.389	0.000	0.389	0
	Wood/Wood Waste Solids	3.016	0.689	2.328	17
Biorefineries	Total	301.177	0.000	301.177	0
	Biofuel Losses and Coproducts <sup>b</sup>	301.177	0.000	301.177	0
	Biodiesel Feedstock	0.441	0.000	0.441	0
	Ethanol Feedstock	300.736	0.000	300.736	0
Other <sup>c</sup>	Total	16.187	0.824	15.363	66
Nonspecified <sup>d</sup>	Total	84.688	0.000	84.688	0
	Ethanol	9.429	0.000	9.429	0
	Landfill Gas	72.996	0.000	72.996	0
	Municipal Solid Waste Biogenic <sup>a</sup>	2.263	0.000	2.263	0

<sup>a</sup> Includes paper and paper board, wood, food, leather, textiles and yard trimmings

<sup>b</sup> Losses and coproducts from production of biodiesel and ethanol calculated as the difference between energy in feedstocks and production.

<sup>c</sup> Other includes Apparel; Petroleum Refining; Rubber and Misc. Plastic Products; Transportation Equipment; Stone, Clay, Glass, and Concrete Products; Furniture and Fixtures; and related industries.

<sup>d</sup> Primary purpose of business is not specified.

- = Not Applicable.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report," and Form-920, "Combined Heat and Power Plant 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 2 of this report; and analysis conducted by the Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels.