

Table B1. Calculations to Obtain Average Million Btu Per Ton for Municipal Solid Waste (MSW)

Material Group	Discards (Million tons) ^a	Heat Content (Million Btu per ton) ^b	Heat Contributed Trillion Btu)
Newsprint	6.03	16	96.48
Paper	16.44	6.7	110.15
Containers & Packaging	19.53	16.5	322.25
Plastics			
PET	2.7	20.45	55.22
HDPE	5.55	19	105.45
PVC	1.55	16.5	25.58
LDPE/LLDPE	6.08	24.1	146.53
PP	3.77	38	143.26
PS	2.44	35.6	86.86
Other	5.17	20.5	105.99
Rubber	4.88	26.86	131.08
Leather	0.86	14.4	12.38
Textiles	9.4	13.8	129.72
Yard Trimmings	12.23	6	73.38
Food Wastes	28.5	5.2	148.2
Wood	12.59	9.96	125.4
Other	8.3	18.1	150.23
Glass	10.02	0	0
Metals	11.74	0	0
Total	167.78	11.73	1968.14

Total Btu/Total Tons → $1968.14 \div 167.78 = 11.73$ Million Btu/Ton of MSW

^a Table A1.

^b Table 4.

Notes: Discards includes all MSW material available for combustion with energy recovery, discards to landfill, and other disposal. For explanation of plastics abbreviations, see Appendix C.

Source: Environmental Protection Agency, Municipal Solid Waste in the United States, 2005.

<http://www.epa.gov/msw/msw99.htm>