

Table 5b. Historical Renewable Energy Consumption by Sector and Energy Source, 2000-2005(Continued)
(Quadrillion Btu)

Sector and Energy Source	2000	2001	2002	2003	2004	2005
Total	6.264	5.465	6.067	6.321	6.433	6.588
Biomass	3.013	2.777	2.880	2.988	3.196	3.298
Wood	2.262	2.006	1.995	2.002	2.121	2.126
Waste ^a	0.511	0.514	0.576	0.571	0.562	0.577
Biofuels ^b	0.241	0.258	0.309	0.414	0.513	0.594
Geothermal	0.317	0.311	0.328	0.331	0.341	0.343
Hydroelectric	2.811	2.242	2.689	2.825	2.690	2.703
Solar ^c	0.066	0.065	0.064	0.064	0.064	0.066
Wind	0.057	0.070	0.105	0.115	0.142	0.178
Residential Sector	0.490	0.439	0.449	0.471	0.483	0.497
Biomass	0.420	0.370	0.380	0.400	0.410	0.420
Wood	0.420	0.370	0.380	0.400	0.410	0.420
Geothermal	0.009	0.009	0.010	0.013	0.014	0.016
Solar ^c	0.061	0.060	0.059	0.058	0.059	0.061
Commercial Sector	0.127	0.115	0.120	0.131	0.139	0.139
Biomass	0.119	0.106	0.111	0.119	0.126	0.124
Wood	0.071	0.067	0.069	0.071	0.070	0.070
Waste ^a	0.047	0.039	0.042	0.047	0.055	0.054
Geothermal	0.008	0.008	0.009	0.011	0.012	0.014
Hydroelectric	0.001	0.001	*	0.001	0.001	0.001
Industrial Sector	1.929	1.740	1.741	1.753	1.885	1.912
Biomass	1.882	1.703	1.697	1.707	1.848	1.875
Wood	1.636	1.443	1.396	1.363	1.476	1.452
Biofuels Losses and Coproducts ^d	0.101	0.110	0.133	0.174	0.211	0.241
Waste ^a	0.145	0.150	0.168	0.170	0.162	0.182
Geothermal	0.004	0.005	0.005	0.003	0.004	0.004
Hydroelectric	0.042	0.033	0.039	0.043	0.033	0.032
Transportation Sector						
Biofuels ^e	0.139	0.148	0.176	0.240	0.303	0.353
Electric Power Sector ^f	3.579	3.023	3.581	3.725	3.625	3.688
Electric Utilities	2.607	2.067	2.545	2.622	2.528	2.541
Biomass	0.021	0.019	0.049	0.036	0.036	0.046
Wood	0.007	0.006	0.011	0.017	0.020	0.027
Waste ^a	0.014	0.013	0.038	0.020	0.016	0.019
Geothermal	0.003	0.003	0.029	0.026	0.026	0.024
Hydroelectric	2.582	2.044	2.465	2.556	2.461	2.460
Solar	*	*	*	*	*	*
Wind	*	0.001	0.002	0.004	0.004	0.010
Independent Power Producers	0.972	0.956	1.036	1.103	1.097	1.147
Biomass	0.432	0.432	0.467	0.485	0.473	0.479
Wood	0.127	0.121	0.140	0.151	0.145	0.158
Waste ^a	0.305	0.311	0.327	0.335	0.328	0.322
Geothermal	0.293	0.286	0.275	0.277	0.285	0.285
Hydroelectric	0.185	0.165	0.185	0.224	0.196	0.210
Solar	0.005	0.006	0.006	0.005	0.006	0.005
Wind	0.057	0.068	0.103	0.111	0.138	0.168

Footnotes at the end of table.

Table 5b. Historical Renewable Energy Consumption by Sector and Energy Source, 2000-2005(Continued)
(Quadrillion Btu)

^a Municipal solid waste, landfill gases, agriculture byproducts/crops, sludge waste, tires, and other biomass solids, liquids and gases.

^b Biofuels and biofuel losses and coproducts.

^c Includes small amounts of distributed solar thermal and photovoltaic energy used in the commercial, industrial and electric power sectors.

^d Losses and coproducts from production of biodiesel and ethanol.

^e Biodiesel primarily derived from soy bean oil and ethanol primarily derived from corn. Includes small amounts of ethanol consumed in the commercial and industrial sectors.

^f The electric power sector comprises electricity-only and combined-heat-power (CHP) plants within North American Classification System (NAICS) 22 category whose primary business is to sell electricity, or electricity and heat, to the public.

*=Less than 500 billion Btu.

Note: Data revisions are discussed in the Highlights section. Totals may not equal sum of components due to independent rounding.

Sources: Analysis conducted by Energy Information Administration, Office of Coal, Nuclear, Electric, and Alternate Fuels and Specific sources described as follows. Residential: Energy Information Administration, Form EIA-457A/G, "Residential Energy Consumption Survey;" Oregon Institute of Technology, Geo-Heat Center and Energy Information Administration, Form EIA-63-A, "Annual Solar Thermal Collector Manufacturers Survey" and Form EIA-63B, "Annual Photovoltaic Module/Cell Manufacturers Survey." Commercial: Energy Information Administration, Form EIA-867, "Annual Nonutility Power Producer Report," Form EIA-860B, "Annual Electric Generator Report - Nonutility," Form EIA-906, "Power Plant Report," Form EIA-920, "Combined Heat and Power Plant Report," and Oregon Institute of Technology, Geo-Heat Center. Industrial: Energy Information Administration, Form EIA-846 (A,B,C) "Manufacturing Energy Consumption Survey," Form EIA-867, "Annual Nonutility Power Producer Report," Form EIA-860B, "Annual Electric Generator Report - Nonutility," Form EIA-906, "Power Plant Report", and Form EIA-902, "Combined Heat and Power Plant Report," Oregon Institute of Technology, Geo-Heat Center; Government Advisory Associates, *Resource Recovery Yearbook and Methane Recovery Yearbook*; U.S. Environmental Protection Agency, Landfill Methane Outreach Program estimates; and losses and coproducts from the production of biodiesel and ethanol calculated as the difference between energy in feedstocks and production.

Transportation: Biodiesel: U.S. Department of Agriculture, Commodity Credit Corporation, Bioenergy Program estimates of production assigned to consumption and Ethanol: 1989: EIA, *Estimates of U.S. Biofuels Consumption 1990*, Table 10, 1990-1992: EIA, *Estimates of U.S. Biomass Energy Consumption 1992*, Table D2, 1993-2004: EIA, *Petroleum Supply Annual*, Tables 2 and 16. Calculated

as ten percent of oxygenated finished motor gasoline field production (Table 2) plus fuel ethanol refinery input (Table 16).

2005: EIA, *Petroleum Supply Annual 2005*, Tables 1 and 15. Calculated as motor gasoline blending components adjustments (Table 1), plus finished motor gasoline adjustments (Table 1), plus fuel ethanol refinery and blender net inputs (Table 15).

Electric Power: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report," Form EIA-867, "Annual Nonutility Power Producer Report," Form EIA-860B, "Annual Electric Generator Report - Nonutility," and Form EIA-906 "Monthly Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report."