

Table 4. Renewable Energy Consumption for Nonelectric Use by Energy Use Sector and Energy Source, 2001-2005 (Quadrillion Btu)

Sector/Source	2001	2002	2003	2004	2005
Total	2.027	1.958	2.171	2.360	2.525
Biomass	1.944	1.876	2.085	2.272	2.430
Wood	1.520	1.390	1.483	1.588	1.645
MSW/Landfill Gas	0.095	0.108	0.105	0.100	0.108
Other Biomass ^a	0.071	0.069	0.083	0.071	0.084
Biofuels ^b	0.258	0.309	0.414	0.513	0.594
Geothermal	0.022	0.024	0.027	0.030	0.034
Solar ^c	0.060	0.059	0.058	0.059	0.061
Residential	0.439	0.449	0.471	0.483	0.497
Biomass	0.370	0.380	0.400	0.410	0.420
Wood	0.370	0.380	0.400	0.410	0.420
Geothermal	0.009	0.010	0.013	0.014	0.016
Solar ^c	0.060	0.059	0.058	0.059	0.061
Commercial	0.092	0.091	0.099	0.102	0.099
Biomass	0.083	0.082	0.088	0.090	0.085
Wood	0.067	0.068	0.071	0.070	0.069
MSW/Landfill Gas	0.016	0.013	0.016	0.017	0.015
Other Biomass ^a	0.001	0.001	0.001	0.003	0.002
Geothermal	0.008	0.009	0.011	0.012	0.014
Industrial	1.328	1.221	1.331	1.461	1.561
Biomass	1.323	1.216	1.328	1.457	1.557
Wood	1.073	0.932	1.001	1.100	1.146
Biofuels Losses and Coproducts ^d	0.110	0.133	0.174	0.211	0.241
Biodiesel Feedstock	*	*	*	*	*
Ethanol Feedstock	0.110	0.133	0.174	0.210	0.241
MSW/Landfill Gas	0.071	0.086	0.083	0.082	0.090
Other Biomass ^a	0.069	0.065	0.070	0.065	0.079
Geothermal	0.005	0.005	0.003	0.004	0.004
Transportation					
Biofuels	0.148	0.176	0.240	0.303	0.353
Biodiesel ^e	0.001	0.001	0.002	0.003	0.011
Ethanol ^f	0.147	0.175	0.238	0.299	0.342
Electric Power ^g	0.020	0.022	0.028	0.012	0.015
Biomass	0.020	0.022	0.028	0.012	0.015
Wood	0.010	0.010	0.011	0.008	0.009
MSW/Landfill Gas	0.008	0.009	0.006	0.001	0.003
Other Biomass ^a	0.001	0.003	0.012	0.003	0.003

^a 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 the production of biodiesel and ethanol.

^e Biodiesel primarily derived from soy bean oil.

^f Ethanol primarily derived from corn. Includes small amounts of ethanol consumed in the commercial and industrial sectors.

^g 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-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-906, "Power Plant Report" and Form EIA-920, "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: 2001-2004: EIA, Petroleum Supply Monthly, 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-906, "Power Plant Report" and Form EIA-920, "Combined Heat and Power Plant Report."