

Table 1.5b Historical Renewable Energy Consumption by Sector and Energy Source, 2000-2009
(Quadrillion Btu)

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Total	6.259	5.309	5.886	6.139	6.245	6.404	6.821	6.714	7.356	7.756
Biomass	3.008	2.622	2.701	2.807	3.010	3.117	3.277	3.503	3.852	3.899
Biofuels ¹	0.236	0.253	0.303	0.404	0.500	0.577	0.771	0.991	1.372	1.567
Waste ²	0.511	0.364	0.402	0.401	0.389	0.403	0.397	0.413	0.436	0.452
Wood and Derived Fuels ³	2.262	2.006	1.995	2.002	2.121	2.136	2.109	2.098	2.044	1.881
Geothermal	0.317	0.311	0.328	0.331	0.341	0.343	0.343	0.349	0.358	0.369
Hydroelectric Conventional	2.811	2.242	2.689	2.825	2.690	2.703	2.869	2.446	2.512	2.669
Solar Thermal/PV ⁴	0.065	0.064	0.063	0.062	0.063	0.063	0.068	0.076	0.089	0.098
Wind	0.057	0.070	0.105	0.115	0.142	0.178	0.264	0.341	0.546	0.721
Residential	0.489	0.438	0.448	0.470	0.481	0.504	0.472	0.522	0.556	0.552
Biomass	0.420	0.370	0.380	0.400	0.410	0.430	0.390	0.430	0.450	0.430
Wood and Derived Fuels	0.420	0.370	0.380	0.400	0.410	0.430	0.390	0.430	0.450	0.430
Geothermal	0.009	0.009	0.010	0.013	0.014	0.016	0.018	0.022	0.026	0.033
Solar Thermal/PV ⁴	0.060	0.059	0.057	0.057	0.057	0.058	0.063	0.070	0.080	0.089
Commercial	0.128	0.101	0.104	0.113	0.118	0.119	0.117	0.118	0.125	0.129
Biomass	0.119	0.092	0.095	0.101	0.105	0.105	0.102	0.102	0.109	0.111
Biofuels ⁵	*	*	*	0.001	0.001	0.001	0.001	0.002	0.002	0.002
Waste ²	0.047	0.025	0.026	0.029	0.034	0.034	0.036	0.031	0.034	0.036
Wood and Derived Fuels ³	0.071	0.067	0.069	0.071	0.070	0.070	0.065	0.069	0.073	0.072
Geothermal	0.008	0.008	0.009	0.011	0.012	0.014	0.014	0.014	0.015	0.017
Hydroelectric Conventional	0.001	0.001	*	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Solar Thermal/PV	-	-	-	-	-	-	-	-	*	-
Wind	-	-	-	-	-	-	-	-	-	*
Industrial	1.928	1.719	1.720	1.726	1.853	1.873	1.930	1.964	2.053	2.005
Biomass	1.881	1.681	1.676	1.679	1.817	1.837	1.897	1.944	2.031	1.983
Biofuels ⁶	0.100	0.110	0.133	0.173	0.209	0.237	0.295	0.387	0.544	0.630
Waste ²	0.145	0.129	0.146	0.142	0.132	0.148	0.130	0.144	0.144	0.154
Wood and Derived Fuels ³	1.636	1.443	1.396	1.363	1.476	1.452	1.472	1.413	1.344	1.198
Geothermal	0.004	0.005	0.005	0.003	0.004	0.004	0.004	0.005	0.005	0.004
Hydroelectric Conventional	0.042	0.033	0.039	0.043	0.033	0.032	0.029	0.016	0.017	0.018
Solar Thermal/PV	-	-	-	-	-	-	-	-	-	-
Wind	-	-	-	-	-	-	-	-	-	-
Transportation	0.135	0.142	0.170	0.230	0.290	0.339	0.475	0.603	0.827	0.934
Biomass	0.135	0.142	0.170	0.230	0.290	0.339	0.475	0.603	0.827	0.934
Biofuels ⁷	0.135	0.142	0.170	0.230	0.290	0.339	0.475	0.603	0.827	0.934
Electric Power ⁸	3.579	2.910	3.445	3.601	3.503	3.568	3.827	3.508	3.796	4.136
Electric Utilities	2.607	2.063	2.529	2.615	2.522	2.530	2.688	2.356	2.404	2.586
Biomass	0.021	0.014	0.033	0.029	0.031	0.040	0.042	0.048	0.047	0.047
Waste ²	0.014	0.008	0.022	0.012	0.011	0.013	0.015	0.016	0.018	0.017
Wood and Derived Fuels ³	0.007	0.006	0.011	0.017	0.020	0.027	0.027	0.032	0.029	0.030
Geothermal	0.003	0.003	0.029	0.026	0.026	0.024	0.024	0.024	0.025	0.025
Hydroelectric Conventional	2.582	2.044	2.465	2.556	2.461	2.455	2.598	2.241	2.263	2.413
Solar Thermal/PV	*	*	*	*	*	*	*	*	*	*
Wind	*	0.001	0.002	0.004	0.004	0.010	0.023	0.043	0.068	0.101
Independent Power Producers	0.972	0.847	0.916	0.986	0.981	1.038	1.139	1.152	1.392	1.550
Biomass	0.432	0.323	0.347	0.368	0.357	0.365	0.370	0.376	0.388	0.394
Waste ²	0.305	0.202	0.208	0.218	0.212	0.208	0.216	0.221	0.240	0.244
Wood and Derived Fuels ³	0.127	0.121	0.140	0.151	0.145	0.158	0.154	0.154	0.148	0.150
Geothermal	0.293	0.286	0.275	0.277	0.285	0.285	0.282	0.284	0.287	0.291

Table 1.5b Historical Renewable Energy Consumption by Sector and Energy Source, 2000-2009
(Quadrillion Btu) (Continued)

Sector and Source	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Hydroelectric Conventional	0.185	0.165	0.185	0.224	0.196	0.215	0.242	0.189	0.231	0.237
Solar Thermal/PV	0.005	0.006	0.006	0.005	0.006	0.005	0.005	0.006	0.008	0.008
Wind	0.057	0.068	0.103	0.111	0.138	0.168	0.240	0.297	0.478	0.620