

Table 10.1 Renewable Energy Production and Consumption by Source
(Trillion Btu)

	Production ^a			Consumption								
	Biomass		Total Renewable Energy ^d	Hydroelectric Power ^e	Geothermal ^f	Solar/PV ^g	Wind ^h	Biomass				Total Renewable Energy
	Bio-fuels ^b	Total ^c						Wood ⁱ	Waste ^j	Bio-fuels ^k	Total	
1973 Total	NA	1,529	4,411	2,861	20	NA	NA	1,527	2	NA	1,529	4,411
1975 Total	NA	1,499	4,687	3,155	34	NA	NA	1,497	2	NA	1,499	4,687
1980 Total	NA	2,475	5,428	2,900	53	NA	NA	2,474	2	NA	2,475	5,428
1985 Total	93	3,016	6,084	2,970	97	(s)	(s)	2,687	236	93	3,016	6,084
1990 Total	111	2,735	6,041	3,046	171	59	29	2,216	408	111	2,735	6,041
1995 Total	198	3,099	6,558	3,205	152	69	33	2,370	531	200	3,101	6,560
1996 Total	141	3,155	7,012	3,590	163	70	33	2,437	577	143	3,157	7,014
1997 Total	186	3,108	7,018	3,640	167	70	34	2,371	551	184	3,105	7,016
1998 Total	202	2,929	6,494	3,297	168	69	31	2,184	542	201	2,927	6,493
1999 Total	211	2,965	6,517	3,268	171	68	46	2,214	540	209	2,963	6,516
2000 Total	233	3,006	6,104	2,811	164	66	57	2,262	511	236	3,008	6,106
2001 Total	254	2,624	5,164	2,242	164	64	70	2,006	364	253	2,622	5,163
2002 Total	308	2,705	5,734	2,689	171	63	105	1,995	402	303	2,701	5,729
2003 Total	402	2,805	5,982	2,825	175	62	115	2,002	401	404	2,807	5,983
2004 Total	487	2,998	6,070	2,690	178	63	142	2,121	389	499	3,010	6,082
2005 Total	564	3,104	6,229	2,703	181	63	178	2,137	403	577	3,117	6,242
2006 Total	720	3,216	6,599	2,869	181	68	264	2,099	397	771	3,267	6,649
2007 Total	978	3,461	6,509	2,446	186	76	341	2,070	413	991	3,474	6,523
2008 Total	1,387	3,864	7,202	2,511	192	89	546	2,040	436	1,372	3,849	7,186
2009 Total	1,584	3,928	7,616	2,669	200	98	721	1,891	453	1,568	3,912	7,600
2010												
January	152	359	672	218	18	10	67	168	39	142	349	662
February	142	332	610	201	16	9	53	154	35	136	326	605
March	158	366	682	204	18	10	84	168	40	149	357	673
April	152	351	661	186	17	10	95	160	39	149	348	657
May	157	358	717	245	18	11	85	162	39	155	356	715
June	152	355	753	291	17	11	79	164	39	155	357	755
July	158	367	701	239	17	11	66	170	40	158	368	701
August	160	371	662	196	18	11	65	171	40	159	370	660
September	156	360	626	168	17	11	69	166	38	153	357	622
October	163	369	646	173	17	10	77	166	39	160	366	643
November	164	369	682	191	17	10	95	165	40	157	363	676
December	168	383	726	226	18	10	88	174	41	163	377	720
Total	1,884	4,341	8,136	2,539	208	126	923	1,988	469	1,837	4,294	8,090
2011												
January	R 169	R 382	R 754	255	20	12	84	174	40	R 153	367	R 738
February	R 151	R 343	R 716	241	18	12	103	156	36	R 145	R 336	R 709
March	171	377	822	310	20	13	103	166	40	160	366	811
April	163	359	R 820	309	18	13	121	158	38	154	R 350	R 811
May	R 170	R 370	840	323	19	14	114	160	40	R 164	R 364	R 834
June	R 168	R 376	R 829	315	19	14	106	168	40	R 168	R 375	R 828
July	R 171	R 383	R 796	308	19	14	72	171	41	162	374	787
August	R 174	R 383	R 745	257	19	14	72	169	41	R 174	R 383	744
September	R 166	371	R 679	210	18	13	67	165	40	160	R 364	R 672
October	176	379	R 710	195	19	14	104	163	40	167	370	R 701
November	R 178	382	742	209	19	12	121	164	41	R 167	R 372	R 732
December	186	403	R 778	241	19	13	102	175	42	R 176	R 393	R 768
Total	R 2,044	R 4,509	R 9,233	3,171	226	158	1,168	1,987	477	R 1,948	R 4,413	R 9,137
2012												
January	177	389	792	233	19	15	135	173	40	154	367	769
February	164	362	705	203	18	15	108	161	37	152	350	694
March	172	372	797	256	19	16	132	161	40	163	364	788
April	164	357	776	261	18	17	123	153	40	160	353	773
May	173	377	819	283	19	19	121	164	40	172	376	819
June	165	367	783	264	19	19	115	162	40	164	365	782
6-Month Total	1,014	2,224	4,673	1,501	114	101	734	973	237	966	2,176	4,625
2011 6-Month Total	993	2,207	4,782	1,752	113	78	631	981	233	944	2,158	4,732
2010 6-Month Total	913	2,121	4,094	1,345	104	62	462	976	232	886	2,094	4,067

^a Production equals consumption for all renewable energy sources except biofuels.

^b Total biomass inputs to the production of fuel ethanol and biodiesel.

^c Wood and wood-derived fuels, biomass waste, and total biomass inputs to the production of fuel ethanol and biodiesel.

^d Hydroelectric power, geothermal, solar thermal/photovoltaic, wind, and biomass.

^e Conventional hydroelectricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6).

^f Geothermal electricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6), and geothermal heat pump and direct use energy.

^g Solar thermal and photovoltaic (PV) electricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6), and solar thermal direct use energy.

^h Wind electricity net generation (converted to Btu using the fossil-fuels heat rate—see Table A6).

ⁱ Wood and wood-derived fuels.

^j Municipal solid waste from biogenic sources, landfill gas, sludge waste, agricultural byproducts, and other biomass. Through 2000, also includes non-renewable waste (municipal solid waste from non-biogenic sources, and tire-derived fuels).

^k Fuel ethanol (minus denaturant) and biodiesel consumption, plus losses and co-products from the production of fuel ethanol and biodiesel.

R=Revised. NA=Not available. (s)=Less than 0.5 trillion Btu.

Notes: • Most data for the residential, commercial, industrial, and transportation sectors are estimates. See notes and sources for Tables 10.2a and 10.2b. • See Note, "Renewable Energy Production and Consumption," at end of section.

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

• Geographic coverage is the 50 States and the District of Columbia.

Web Page: See <http://www.eia.gov/totalenergy/data/monthly/#renewable> for all available data beginning in 1973.

Sources: Tables 10.2a–10.4.