

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	4,433	2,861	43	NA	NA	1,527	2	NA	1,529	4,433
1975 Total	NA	1,499	4,723	3,155	70	NA	NA	1,497	2	NA	1,499	4,723
1980 Total	NA	2,475	5,485	2,900	110	NA	NA	2,474	2	NA	2,475	5,485
1985 Total	95	3,018	6,187	2,970	198	(s)	(s)	2,687	236	95	3,018	6,187
1990 Total	113	2,737	6,208	3,046	336	60	29	2,216	408	113	2,737	6,208
1995 Total	202	3,103	6,705	3,205	294	70	33	2,370	531	204	3,105	6,707
1996 Total	144	3,158	7,168	3,590	316	71	33	2,437	577	146	3,160	7,169
1997 Total	190	3,112	7,181	3,640	325	70	34	2,371	551	187	3,109	7,178
1998 Total	207	2,933	6,659	3,297	328	70	31	2,184	542	205	2,932	6,658
1999 Total	215	2,969	6,683	3,268	331	69	46	2,214	540	213	2,968	6,681
2000 Total	238	3,010	6,262	2,811	317	66	57	2,262	511	241	3,013	6,264
2001 Total	260	2,629	5,318	2,242	311	65	70	2,006	364	258	2,627	5,316
2002 Total	314	2,712	5,899	2,689	328	64	105	1,995	402	309	2,707	5,894
2003 Total	411	2,815	6,148	2,825	331	64	115	2,002	401	413	2,817	6,150
2004 Total	500	3,011	6,248	2,690	341	65	142	2,121	389	513	3,023	6,260
2005 Total	581	3,120	6,410	2,703	343	66	178	2,136	403	594	3,133	6,423
2006 Total	743	3,309	6,857	2,869	343	72	264	2,152	414	795	3,361	6,908
2007 January	75	300	619	257	31	6	24	187	38	80	305	624
February	69	270	511	184	27	6	25	167	34	72	273	514
March	77	294	599	239	29	7	30	179	38	79	297	601
April	76	287	589	236	28	7	31	178	34	75	287	589
May	82	295	617	257	28	7	29	178	35	81	295	616
June	82	291	579	226	29	7	26	175	35	84	293	581
July	87	305	586	222	30	7	21	183	36	86	305	585
August	90	305	566	197	30	7	27	179	36	90	305	566
September	88	297	507	146	29	7	28	174	35	88	296	506
October	93	309	526	146	30	7	33	180	36	96	312	529
November	94	307	528	155	29	6	31	177	36	93	306	527
December	99	322	574	181	30	6	34	186	37	101	324	576
Total	1,011	3,583	6,800	2,446	349	81	341	2,142	430	1,025	3,597	6,814
2008 January	103	315	593	201	29	7	41	175	37	101	313	591
February	97	296	547	181	26	7	37	165	34	97	296	547
March	112	318	611	209	30	8	46	167	39	106	311	604
April	110	312	610	211	29	8	50	167	36	109	312	609
May	120	326	676	261	31	8	51	170	36	117	323	673
June	115	320	690	282	31	8	49	169	36	113	318	688
July	125	338	660	245	31	8	38	177	37	122	335	657
August	131	343	614	201	31	8	31	176	36	128	340	611
September	125	328	548	155	30	8	27	168	34	127	329	549
October	130	337	567	149	31	8	43	173	34	132	339	569
November	130	332	567	153	30	7	45	167	35	128	330	565
December	130	335	633	203	30	7	58	167	37	134	338	636
Total	1,429	3,900	7,316	2,452	358	91	514	2,041	431	1,413	3,884	7,300
2009 January	123	326	650	232	30	7	54	168	36	121	324	647
February	115	299	557	175	28	7	49	152	32	105	289	548
March	125	327	641	211	30	8	64	162	40	125	327	641
3-Month Total	363	952	1,848	618	88	21	167	482	108	351	940	1,836
2008 3-Month Total	312	929	1,751	591	85	22	124	507	110	304	920	1,742
2007 3-Month Total	220	864	1,729	680	86	19	79	533	110	231	874	1,739

^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, fuel ethanol, and biodiesel.

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

^e Conventional hydroelectricity net generation (converted to Btu using the fossil-fueled plants heat rate).

^f Geothermal electricity net generation (converted to Btu using the geothermal energy plants heat rate), and geothermal heat pump and direct use energy.

^g Solar thermal and photovoltaic electricity net generation (converted to Btu using the fossil-fueled plants heat rate), and solar thermal direct use energy.

^h Wind electricity net generation (converted to Btu using the fossil-fueled plants heat rate).

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 and biodiesel consumption, plus losses and co-products from the production of fuel ethanol and biodiesel.

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.doe.gov/emeu/mer/renew.html> for all available data beginning in 1973.

Sources: Tables 10.2a-c, 10.3, and 10.4.