

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	93	3,016	6,185	2,970	198	(s)	(s)	2,687	236	93	3,016	6,185
1990 Total	111	2,735	6,206	3,046	336	60	29	2,216	408	111	2,735	6,206
1995 Total	200	3,102	6,703	3,205	294	70	33	2,370	531	202	3,104	6,705
1996 Total	143	3,157	7,167	3,590	316	71	33	2,437	577	145	3,159	7,168
1997 Total	190	3,111	7,180	3,640	325	70	34	2,371	551	187	3,108	7,178
1998 Total	206	2,933	6,659	3,297	328	70	31	2,184	542	205	2,931	6,657
1999 Total	215	2,969	6,683	3,268	331	69	46	2,214	540	213	2,967	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	315	2,712	5,899	2,689	328	64	105	1,995	402	309	2,706	5,893
2003 Total	412	2,815	6,149	2,825	331	64	115	2,002	401	414	2,817	6,150
2004 Total	501	3,011	6,248	2,690	341	65	142	2,121	389	513	3,023	6,261
2005 Total	582	3,141	6,431	2,703	343	66	178	2,156	403	595	3,154	6,444
2006 January	56	286	617	272	29	6	24	194	36	55	285	615
February	53	256	552	246	26	5	19	170	32	51	254	550
March	59	274	578	244	30	6	23	182	34	58	273	576
April	55	259	600	283	27	6	25	172	32	57	261	602
May	59	270	633	306	26	6	24	177	35	65	277	640
June	62	271	621	295	28	6	20	176	33	71	281	630
July	63	284	592	252	30	6	19	186	35	69	290	598
August	66	287	555	216	30	7	16	186	35	72	293	561
September	65	277	501	171	29	6	19	179	33	71	283	507
October	67	285	514	169	30	6	24	184	34	75	292	521
November	67	280	540	201	28	6	25	179	34	73	287	547
December	72	293	568	214	30	6	25	186	35	78	299	574
Total	745	3,324	6,872	2,869	343	72	264	2,172	407	795	3,374	6,922
2007 January	73	R 298	R 618	R 258	31	6	24	R 187	37	78	R 302	R 622
February	68	R 268	R 510	R 184	R 27	6	25	R 167	R 33	71	R 271	R 513
March	75	R 292	R 598	R 240	29	7	30	R 180	37	79	R 296	R 601
April	74	R 285	R 588	237	28	7	R 31	R 178	33	76	R 287	R 590
May	80	R 293	R 616	R 258	28	7	R 29	R 178	R 34	82	R 295	618
June	80	R 289	R 578	R 226	R 29	7	R 26	R 175	R 34	83	R 292	R 580
July	85	R 303	R 584	R 223	30	7	R 21	R 183	R 35	88	R 306	R 587
August	88	R 303	R 564	198	30	7	R 27	R 180	R 35	90	R 305	R 566
September	87	R 295	R 505	R 146	29	7	R 28	R 174	R 34	87	R 295	R 506
October	92	R 307	R 524	147	30	7	R 33	R 180	R 36	96	R 311	R 528
November	93	R 305	527	156	29	6	R 31	R 177	R 35	95	R 307	529
December	97	R 320	R 573	R 182	30	6	R 35	R 187	R 36	100	R 323	R 576
Total	993	R 3,560	R 6,785	R 2,455	R 349	80	R 342	R 2,146	R 420	1,024	R 3,590	R 6,816
2008 January	101	311	605	222	28	6	37	175	34	102	312	606
February	96	293	558	201	26	6	32	165	33	98	295	561
March	110	312	616	227	29	7	41	166	35	108	310	614
April	108	308	607	219	29	7	45	165	35	112	313	612
May	118	323	684	280	30	7	44	170	35	119	324	685
June	113	318	704	306	30	7	43	170	35	118	323	708
July	123	335	662	257	30	7	32	177	36	124	337	663
August	129	340	608	205	30	7	26	176	35	130	341	609
September	123	326	550	164	29	7	24	169	33	128	331	554
October	128	333	574	163	30	7	41	173	33	133	338	579
November	128	330	578	169	29	6	44	168	34	129	330	579
11-Month Total ...	1,277	3,528	6,745	2,412	320	76	409	1,873	378	1,302	3,553	6,770
2007 11-Month Total ...	896	3,240	6,213	2,273	319	74	307	1,960	384	924	3,267	6,240
2006 11-Month Total ...	673	3,030	6,303	2,655	313	66	239	1,985	372	717	3,075	6,348

^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.

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

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