

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	296	620	262	31	6	24	186	37	78	301	624
February	68	272	517	185	28	6	25	171	34	71	275	520
March	75	293	600	241	29	7	30	181	37	79	297	604
April	74	287	590	237	28	7	32	180	33	76	289	592
May	80	296	617	257	28	7	28	180	36	82	298	618
June	80	293	581	227	30	7	24	177	36	83	296	583
July	85	307	588	224	30	7	19	184	37	88	310	590
August	88	307	567	198	30	7	24	182	37	90	309	569
September	87	299	507	145	29	7	26	176	36	87	299	507
October	92	308	523	147	30	7	30	183	34	96	312	526
November	93	308	527	156	29	6	27	179	36	95	311	529
December	97	321	570	183	30	6	28	186	38	100	324	573
Total	993	3,589	6,805	2,463	353	80	319	2,165	431	1,024	3,620	6,835
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	R 308	R 607	R 219	R 29	7	R 45	R 165	R 35	112	R 313	R 612
May	118	R 323	R 684	R 280	R 30	7	R 44	R 170	R 35	119	R 324	R 685
June	113	325	E 644	F 238	30	7	F 45	174	38	118	329	E 649
6-Month Total	646	1,870	E 3,714	E 1,387	172	41	E 244	1,015	209	658	1,883	E 3,726
2007 6-Month Total	451	1,739	3,525	1,408	174	40	164	1,074	213	468	1,756	3,541
2006 6-Month Total	344	1,617	3,600	1,646	166	36	135	1,072	201	357	1,630	3,613

^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. E=Estimate. NA=Not available. F=Forecast. (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.