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
	Biofuels[b]	Total[c]						Wood[i]	Waste[j]	Biofuels[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	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	[R] 318	[R] 704	[R] 306	30	7	[R] 43	[R] 170	[R] 35	118	[R] 323	[R] 708
July	123	346	[E] 653	[F] 233	31	7	[F] 35	185	39	124	348	[E] 655
7-Month Total	**769**	**2,210**	[E] **4,426**	[E] **1,688**	**203**	**48**	[E] **277**	**1,196**	**246**	**783**	**2,224**	[E] **4,440**
2007 7-Month Total	**537**	**2,046**	**4,112**	**1,633**	**204**	**47**	**183**	**1,258**	**251**	**556**	**2,065**	**4,132**
2006 7-Month Total	**407**	**1,901**	**4,192**	**1,898**	**195**	**42**	**155**	**1,258**	**236**	**426**	**1,920**	**4,211**

[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.