

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

	Production <sup>a</sup>			Consumption								
	Biomass		Total Renewable Energy <sup>d</sup>	Hydroelectric Power <sup>e</sup>	Geothermal <sup>f</sup>	Solar/PV <sup>g</sup>	Wind <sup>h</sup>	Biomass			Total Renewable Energy	
	Bio-fuels <sup>b</sup>	Total <sup>c</sup>						Wood <sup>i</sup>	Waste <sup>j</sup>	Bio-fuels <sup>k</sup>		Total
<b>1973 Total</b> .....	NA	1,529	4,411	2,861	20	NA	NA	1,527	2	NA	1,529	4,411
<b>1975 Total</b> .....	NA	1,499	4,687	3,155	34	NA	NA	1,497	2	NA	1,499	4,687
<b>1980 Total</b> .....	NA	2,475	5,428	2,900	53	NA	NA	2,474	2	NA	2,475	5,428
<b>1985 Total</b> .....	93	3,016	6,084	2,970	97	(s)	(s)	2,687	236	93	3,016	6,084
<b>1990 Total</b> .....	111	2,735	6,041	3,046	171	59	29	2,216	408	111	2,735	6,041
<b>1995 Total</b> .....	198	3,099	6,558	3,205	152	69	33	2,370	531	200	3,101	6,560
<b>1996 Total</b> .....	141	3,155	7,012	3,590	163	70	33	2,437	577	143	3,157	7,014
<b>1997 Total</b> .....	186	3,108	7,018	3,640	167	70	34	2,371	551	184	3,105	7,016
<b>1998 Total</b> .....	202	2,929	6,494	3,297	168	69	31	2,184	542	201	2,927	6,493
<b>1999 Total</b> .....	211	2,965	6,517	3,268	171	68	46	2,214	540	209	2,963	6,516
<b>2000 Total</b> .....	233	3,006	6,104	2,811	164	65	57	2,262	511	236	3,008	6,106
<b>2001 Total</b> .....	254	2,624	5,164	2,242	164	64	70	2,006	364	253	2,622	5,163
<b>2002 Total</b> .....	308	2,705	5,734	2,689	171	63	105	1,995	402	303	2,701	5,729
<b>2003 Total</b> .....	402	2,805	5,982	2,825	175	62	115	2,002	401	404	2,807	5,983
<b>2004 Total</b> .....	487	2,998	6,070	2,690	178	63	142	2,121	389	499	3,010	6,082
<b>2005 Total</b> .....	564	3,104	6,229	2,703	181	63	178	2,136	403	577	3,116	6,242
<b>2006 Total</b> .....	720	3,226	6,608	2,869	181	68	264	2,109	397	771	3,276	6,659
<b>2007 Total</b> .....	978	3,489	6,537	2,446	186	76	341	2,098	413	991	3,502	6,551
<b>2008 Total</b> .....	1,387	3,867	7,205	2,511	192	89	546	2,044	436	1,372	3,852	7,190
<b>2009 January</b> .....	120	315	627	229	17	8	58	158	37	115	310	622
February .....	111	291	545	174	16	7	57	146	34	102	283	537
March .....	120	316	624	213	17	8	69	155	40	118	314	621
April .....	116	300	649	252	16	8	73	147	37	120	304	653
May .....	126	315	690	289	17	9	61	152	37	131	319	694
June .....	127	318	683	285	16	8	55	154	37	129	320	685
July .....	139	340	643	228	17	9	48	163	39	139	340	643
August .....	141	345	615	191	17	9	53	166	38	141	346	615
September .....	136	329	568	169	16	8	45	157	36	134	327	567
October .....	144	343	627	192	16	8	67	161	38	145	344	627
November .....	149	345	642	205	17	8	67	158	39	144	340	637
December .....	154	357	692	241	18	8	67	164	39	148	352	686
<b>Total</b> .....	<b>1,583</b>	<b>3,915</b>	<b>7,603</b>	<b>2,669</b>	<b>200</b>	<b>98</b>	<b>721</b>	<b>1,881</b>	<b>452</b>	<b>1,567</b>	<b>3,899</b>	<b>7,587</b>
<b>2010 January</b> .....	152	359	670	218	18	8	67	167	40	142	349	661
February .....	142	332	609	201	16	8	53	154	36	136	326	603
March .....	158	366	680	204	18	9	84	167	41	149	357	671
April .....	152	352	659	186	17	9	95	160	40	149	348	656
May .....	157	358	715	245	18	10	85	162	40	155	356	714
June .....	152	355	751	291	17	10	79	163	40	154	357	754
July .....	158	368	700	239	17	10	66	169	41	159	368	700
August .....	160	371	660	196	18	10	65	170	41	158	369	658
September .....	155	359	623	168	17	9	69	165	38	152	356	620
October .....	162	368	644	173	17	9	77	165	40	159	365	641
November .....	163	369	680	191	17	9	95	164	41	157	362	674
December .....	167	382	723	226	18	9	88	173	42	162	377	718
<b>Total</b> .....	<b>1,879</b>	<b>4,337</b>	<b>8,116</b>	<b>2,539</b>	<b>208</b>	<b>109</b>	<b>923</b>	<b>1,979</b>	<b>479</b>	<b>1,832</b>	<b>4,291</b>	<b>8,069</b>
<b>2011 January</b> .....	169	381	748	255	19	9	84	172	40	154	365	733
February .....	151	341	711	241	18	8	103	154	37	144	335	704
March .....	170	374	815	310	19	9	103	164	40	159	364	805
April .....	162	357	814	309	18	10	121	157	38	153	348	805
May .....	168	367	833	323	19	10	114	158	40	163	361	827
June .....	165	371	821	315	18	10	106	166	40	164	370	820
July .....	170	381	790	308	18	10	72	169	42	160	371	780
August .....	174	382	739	257	19	11	72	167	41	172	380	737
September .....	165	368	673	210	18	10	67	163	40	159	362	666
October .....	176	378	706	195	19	10	104	161	41	168	369	697
<b>10-Month Total</b> ...	<b>1,670</b>	<b>3,701</b>	<b>7,650</b>	<b>2,722</b>	<b>185</b>	<b>97</b>	<b>946</b>	<b>1,632</b>	<b>399</b>	<b>1,595</b>	<b>3,626</b>	<b>7,575</b>
<b>2010 10-Month Total</b> ...	<b>1,548</b>	<b>3,587</b>	<b>6,712</b>	<b>2,122</b>	<b>173</b>	<b>91</b>	<b>740</b>	<b>1,642</b>	<b>396</b>	<b>1,514</b>	<b>3,552</b>	<b>6,678</b>
<b>2009 10-Month Total</b> ...	<b>1,280</b>	<b>3,213</b>	<b>6,269</b>	<b>2,222</b>	<b>165</b>	<b>82</b>	<b>587</b>	<b>1,559</b>	<b>374</b>	<b>1,275</b>	<b>3,207</b>	<b>6,264</b>

<sup>a</sup> Production equals consumption for all renewable energy sources except biofuels.

<sup>b</sup> Total biomass inputs to the production of fuel ethanol and biodiesel.

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

<sup>d</sup> Hydroelectric power, geothermal, solar thermal/photovoltaic, wind, and biomass.

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

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

<sup>g</sup> 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.

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

<sup>i</sup> Wood and wood-derived fuels.

<sup>j</sup> 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).

<sup>k</sup> Fuel ethanol (minus denaturant) 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.gov/totalenergy/data/monthly/#renewable> for all available data beginning in 1973.

Sources: Tables 10.2a–10.4.