

Table 6.2a Total Renewable Net Generation by Source and State, 2008 (Preliminary)  
Megawatthours

Rank (by Percent Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass			Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable	Percent Renewable (excluding Hydro.)
				Wood & Derived Fuels <sup>1</sup>	Landfill Gas/MSW Biogenic <sup>2</sup>	Other Biomass <sup>3</sup>						
1	Idaho	--	9,538,681	455,393	--	--	--	201,992	10,196,066	11,999,000	85.0%	5.5%
2	Washington	--	77,422,476	1,089,553	170,100	11,726	--	3,648,690	82,342,545	110,971,000	74.2%	4.4%
3	Oregon	--	33,324,742	779,668	109,747	38,823	--	2,511,811	36,764,791	58,395,000	63.0%	5.9%
4	Maine	--	4,166,239	3,802,995	245,084	50,677	--	131,621	8,396,616	16,736,000	50.2%	25.3%
5	South Dakota	--	3,008,721	--	--	1,665	--	135,923	3,146,309	7,093,000	44.4%	1.9%
6	Montana	--	9,776,753	97,393	--	--	--	567,196	10,441,342	29,370,000	35.6%	2.3%
7	California	13,196,075	18,651,639	3,659,844	1,807,204	655,684	666,544	5,418,921	44,055,911	199,412,000	22.1%	12.7%
8	New York	--	26,535,695	509,977	1,483,686	6,236	--	1,294,313	29,829,907	139,444,000	21.4%	2.4%
9	Vermont	--	780,692	424,268	--	--	--	10,235	1,215,195	6,105,000	19.9%	7.1%
10	Alaska	--	1,163,511	--	--	9,473	--	6,134	1,179,118	6,456,000	18.3%	0.2%
11	New Hampshire	--	1,533,703	1,054,739	169,740	--	--	--	2,758,182	23,172,000	11.9%	5.3%
12	Arkansas	--	4,754,468	1,554,646	34,337	16,794	--	--	6,360,245	55,093,000	11.5%	2.9%
13	Minnesota	--	668,282	715,922	456,400	144,111	--	4,051,292	6,036,007	54,441,000	11.1%	9.9%
14	Colorado	--	1,831,191	*	--	38,672	14,867	3,098,556	4,983,286	53,693,000	9.3%	5.9%
15	Iowa	--	878,122	703	116,528	35,190	--	3,801,453	4,831,996	53,696,000	9.0%	7.4%
16	Nevada	1,174,553	1,749,277	--	--	--	147,836	--	3,071,666	35,039,000	8.8%	3.8%
17	North Dakota	--	1,252,790	--	--	11,159	--	1,525,499	2,789,448	32,738,000	8.5%	4.7%
18	Oklahoma	--	3,514,225	283,027	4,257	--	--	2,309,218	6,110,727	76,238,000	8.0%	3.4%
19	Hawaii	234,333	81,335	--	184,009	111,888	--	237,014	848,579	10,883,000	7.8%	7.0%
20	Tennessee	--	5,795,149	777,061	20,482	31,792	--	50,117	6,674,601	91,393,000	7.3%	1.0%
21	Alabama	--	5,883,743	3,595,040	2,894	30,074	--	--	9,511,751	146,751,000	6.5%	2.5%
22	Arizona	--	7,328,797	76,900	14,276	4,268	13,807	--	7,438,048	119,276,000	6.2%	0.1%
23	Maryland	--	1,937,271	190,962	414,451	--	--	--	2,542,684	47,113,000	5.4%	1.3%
24	Massachusetts	--	958,955	125,282	1,150,631	21,452	--	--	2,256,320	42,405,000	5.3%	3.1%
25	New Mexico	--	276,489	--	--	15,081	--	1,642,345	1,933,915	36,741,000	5.3%	4.5%
26	Virginia	--	1,156,141	1,974,031	700,989	20,824	--	--	3,851,985	73,278,000	5.3%	3.7%
27	Wisconsin	--	1,616,961	775,771	434,307	20,079	--	422,494	3,269,612	64,165,000	5.1%	2.6%
28	Texas	--	1,680,830	926,330	338,414	35,758	--	14,230,610	17,211,942	402,731,000	4.3%	3.9%
29	Louisiana	--	1,064,373	2,749,380	--	82,247	--	--	3,896,000	92,782,000	4.2%	3.1%
30	North Carolina	--	3,357,832	1,741,522	96,124	18,530	--	--	5,214,008	126,222,000	4.1%	1.5%
31	Georgia	--	2,290,890	3,079,943	22,141	45,171	--	--	5,438,145	137,020,000	4.0%	2.3%
32	Connecticut	--	393,728	8,094	750,062	1,049	--	--	1,152,933	30,120,000	3.8%	2.5%
33	Kansas	--	11,926	--	--	--	--	1,768,352	1,780,278	46,919,000	3.8%	3.8%
34	Wyoming	--	834,187	--	--	--	--	910,442	1,744,629	46,217,000	3.8%	2.0%
35	Michigan	--	1,280,978	1,682,504	712,610	506	--	117,298	3,793,896	115,059,000	3.3%	2.2%
36	South Carolina	--	1,402,031	1,696,847	107,719	--	--	--	3,206,597	101,926,000	3.1%	1.8%
37	Mississippi	--	--	1,503,579	--	4,912	--	--	1,508,491	48,620,000	3.1%	3.1%
38	Missouri	--	2,083,978	--	--	10,735	--	196,404	2,291,117	91,619,000	2.5%	0.2%
39	Kentucky	--	1,960,176	347,374	96,554	3,786	--	--	2,407,890	98,560,000	2.4%	0.5%
40	Pennsylvania	--	2,484,238	650,955	1,471,454	17,065	--	729,220	5,352,932	222,843,000	2.4%	1.3%
41	Nebraska	--	454,220	--	47,477	14,322	--	213,263	729,282	32,425,000	2.2%	0.8%
42	Rhode Island	--	4,912	--	150,944	--	--	--	155,856	7,262,000	2.1%	2.1%
43	Delaware	--	--	--	158,505	--	--	--	158,505	7,615,000	2.1%	2.1%
44	Florida	--	175,613	2,042,136	1,768,981	509,852	--	--	4,496,582	219,254,000	2.1%	2.0%
45	Utah	254,277	653,187	--	33,927	--	--	--	941,391	46,466,000	2.0%	0.6%
46	West Virginia	--	1,272,320	*	--	--	--	391,910	1,664,230	91,732,000	1.8%	0.4%
47	Illinois	--	162,015	611	658,704	8,325	--	2,125,491	2,955,146	199,592,000	1.5%	1.4%
48	New Jersey	--	25,290	--	876,337	2,019	--	20,986	924,632	63,842,000	1.4%	1.4%
49	Indiana	--	450,530	--	227,312	--	--	238,356	916,198	129,826,000	0.7%	0.4%
50	Ohio	--	455,778	416,658	13,517	6,420	--	18,741	911,114	154,060,000	0.6%	0.3%
51	Dist. of Columbia	--	--	--	--	--	--	--	--	72,000	0.0%	0.0%
	U.S. Total	14,859,238	248,085,084	38,788,851	15,049,904	2,036,363	843,054	52,025,898	371,688,392	4,114,880,000	9.0%	3.0%

\*Less than 500 kWh or less than 0.05%

<sup>1</sup>Black liquor and wood/woodwaste solids and liquids

<sup>2</sup>Landfill gas and MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings)

<sup>3</sup>Agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Renewable Energy Consumption and Electricity - Preliminary Statistics 2008](#)

Table 6.2b Total Renewable Net Generation by Source and State, 2007  
Megawatthours

Rank (by Percent Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass	Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable	Percent Renewable (excluding Hydro.)		
		Wood & Derived Landfill Gas/MSW Fuels <sup>1</sup>			Other Biomass <sup>2</sup>							
1	Idaho	--	9,021,690	480,582	--	--	172,267	9,674,539	11,484,091	84.2%	5.7%	
2	Washington	--	78,829,195	1,116,380	162,890	13,461	--	2,437,823	82,559,749	106,990,217	77.2%	3.5%
3	Oregon	--	33,587,439	842,565	100,389	38,345	--	1,246,994	35,815,732	55,077,794	65.0%	4.0%
4	South Dakota	--	2,917,283	--	--	--	--	150,018	3,067,301	6,136,605	50.0%	2.4%
5	Maine	--	3,738,168	3,847,566	208,081	52,262	--	99,071	7,945,148	16,128,567	49.3%	26.1%
6	Montana	--	9,364,336	110,945	--	--	--	495,776	9,971,057	28,931,493	34.5%	2.1%
7	California	12,990,711	27,327,751	3,407,416	1,657,098	648,130	556,969	5,584,933	52,173,008	210,847,581	24.7%	11.8%
8	Alaska	--	1,291,223	22	--	10,196	8,649	1,012	1,311,102	6,821,392	19.2%	0.3%
9	New York	--	25,252,555	492,261	1,441,930	7,416	--	833,476	28,027,638	145,878,687	19.2%	1.9%
10	Vermont	--	646,605	453,038	--	--	--	10,511	1,110,154	5,823,582	19.1%	8.0%
11	New Hampshire	--	1,265,229	970,456	152,816	--	--	--	2,388,501	23,277,171	10.3%	4.8%
12	Nevada	1,252,691	2,003,191	--	--	--	43,967	--	3,299,849	32,669,736	10.1%	4.0%
13	Arkansas	--	3,236,753	1,580,803	33,438	9,503	--	--	4,860,497	54,596,236	8.9%	3.0%
14	Minnesota	--	653,822	727,455	423,482	142,889	--	2,638,812	4,586,460	54,477,646	8.4%	7.2%
15	Iowa	--	962,346	16	122,715	28,368	--	2,756,676	3,870,121	49,789,217	7.8%	5.8%
16	Hawaii	229,886	92,343	--	169,450	115,827	--	--	845,690	11,533,350	7.3%	6.5%
17	Oklahoma	--	3,065,862	276,133	3,721	--	--	1,849,144	5,194,860	72,819,095	7.1%	2.9%
18	Tennessee	--	4,939,601	868,110	19,228	33,252	--	49,937	5,910,128	95,113,409	6.2%	1.0%
19	North Dakota	--	1,305,393	--	--	13,507	--	620,772	1,939,672	31,224,105	6.2%	2.0%
20	Arizona	--	6,597,671	--	28,507	4,483	--	--	6,630,661	113,340,970	5.9%	*
21	Colorado	--	1,729,533	--	--	31,105	2,208	1,291,516	3,054,362	53,907,422	5.7%	2.5%
22	Alabama	--	4,136,114	3,783,882	3,520	13,218	--	--	7,936,734	143,826,271	5.5%	2.6%
23	Virginia	--	1,248,264	1,792,326	752,928	20,317	--	--	3,813,835	78,360,507	4.9%	3.3%
24	New Mexico	--	267,978	--	--	15,994	--	1,393,239	1,677,211	35,985,333	4.7%	3.9%
25	Maryland	--	1,652,216	203,097	400,364	--	--	--	2,255,677	50,197,924	4.5%	1.2%
26	Wisconsin	--	1,516,083	785,079	413,771	21,384	--	109,283	2,845,600	63,390,630	4.5%	2.1%
27	Massachusetts	--	797,482	119,157	1,094,431	26,636	--	--	2,037,706	47,075,975	4.3%	2.6%
28	Louisiana	--	826,642	2,898,371	--	81,512	--	--	3,806,525	92,578,329	4.1%	3.2%
29	Georgia	--	2,236,188	3,362,097	16,221	37,103	--	--	5,651,609	145,155,158	3.9%	2.4%
30	North Carolina	--	2,984,159	1,585,374	85,745	1,100	--	--	4,656,378	130,115,301	3.6%	1.3%
31	South Carolina	--	1,555,912	1,895,432	100,602	--	--	--	3,551,946	103,402,142	3.4%	1.9%
32	Connecticut	--	363,261	1,676	728,164	--	--	--	1,093,101	33,171,209	3.3%	2.2%
33	Wyoming	--	729,424	--	--	--	--	754,881	1,484,305	45,633,486	3.3%	1.7%
34	Michigan	--	1,269,989	1,692,202	721,284	538	--	2,723	3,686,736	119,309,936	3.1%	2.0%
35	Mississippi	--	--	1,488,348	--	5,017	--	--	1,493,365	50,043,686	3.0%	3.0%
36	Texas	--	1,644,437	914,164	322,272	44,793	--	9,006,383	11,932,049	405,492,296	2.9%	2.5%
37	Kansas	--	10,501	--	--	--	--	1,152,538	1,163,039	50,122,196	2.3%	2.3%
38	Rhode Island	--	4,364	--	154,757	--	--	--	159,121	7,049,844	2.3%	2.2%
39	Kentucky	--	1,668,587	370,210	93,440	1,973	--	--	2,134,210	97,225,319	2.2%	0.5%
40	Pennsylvania	--	2,235,982	619,567	1,440,683	15,928	--	470,018	4,782,178	226,088,340	2.1%	1.1%
41	Florida	--	154,446	1,929,798	1,794,490	578,529	--	--	4,457,263	225,416,060	2.0%	1.9%
42	Nebraska	--	347,444	--	46,184	15,075	--	216,765	625,468	32,442,699	1.9%	0.9%
43	Utah	163,925	538,782	--	31,030	--	--	--	733,737	45,372,575	1.6%	0.4%
44	West Virginia	--	1,254,397	--	--	--	--	167,588	1,421,985	93,933,109	1.5%	0.2%
45	New Jersey	--	20,909	--	822,453	713	--	20,412	864,487	62,671,245	1.4%	1.3%
46	Missouri	--	1,204,326	120	21,944	7,245	--	--	1,233,635	91,153,081	1.4%	*
47	Illinois	--	153,727	--	603,225	17,100	--	664,427	1,438,479	200,260,681	0.7%	0.6%
48	Delaware	--	--	--	48,116	--	--	--	48,116	8,534,163	0.6%	0.6%
49	Ohio	--	410,436	399,378	10,972	10,045	--	14,748	845,579	155,155,545	0.5%	0.3%
50	Indiana	--	449,936	--	231,247	--	--	--	681,183	130,637,999	0.5%	0.2%
51	Dist. of Columbia	--	--	--	--	--	--	--	--	75,251	0.0%	0.0%
U.S. Total		14,637,213	247,509,974	39,014,024	16,524,554	2,062,966	611,793	34,449,927	354,810,451	4,156,744,724	8.5%	2.6%

\*Less than 0.05%

<sup>1</sup>Wood and wood derived fuels includes paper pellets, railroad ties, utility poles, wood chips, bark, red liquor, sludge wood, spent sulfite liquor, and black liquor

<sup>2</sup>Biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts (including digester gases and methane)

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.2c Total Renewable Net Generation by Source and State, 2006  
Megawatthours

Rank (by Percent Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable	Percent Renewable (excluding Hydro.)
				Wood & Derived Fuels <sup>1</sup>	Other Biomass <sup>2</sup>						
1	Idaho	--	11,242,372	520,340	--	--	169,617	11,932,329	13,386,085	89.1%	5.2%
2	Washington	--	82,007,629	1,281,189	184,014	--	1,037,651	84,510,483	108,203,155	78.1%	2.3%
3	Oregon	--	37,850,297	798,793	98,977	--	931,219	39,679,286	53,340,695	74.4%	3.4%
4	South Dakota	--	3,396,833	--	--	--	148,965	3,545,798	7,132,243	49.7%	2.1%
5	Maine	--	4,278,132	3,684,618	283,033	--	--	8,245,783	16,816,173	49.0%	23.6%
6	Montana	--	10,130,161	94,415	--	--	435,970	10,660,546	28,243,536	37.7%	1.9%
7	California	12,821,434	48,047,380	3,422,093	2,294,495	494,572	4,882,801	71,962,775	216,798,688	33.2%	11.0%
8	Vermont	--	1,518,665	439,222	--	--	10,688	1,968,575	7,084,344	27.8%	6.4%
9	New York	--	27,344,655	521,829	1,419,441	--	655,371	29,941,296	142,265,432	21.0%	1.8%
10	Alaska	--	1,223,607	516	6,149	--	788	1,231,060	6,674,197	18.4%	0.1%
11	Nevada	1,343,711	2,057,626	--	--	--	--	3,401,337	31,860,022	10.7%	4.2%
12	New Hampshire	--	1,528,910	589,981	156,399	--	--	2,275,290	22,063,695	10.3%	3.4%
13	Tennessee	--	7,748,650	697,819	58,182	--	54,598	8,559,249	93,911,102	9.1%	0.9%
14	Alabama	--	7,251,786	3,865,010	19,452	--	--	11,136,248	140,895,441	7.9%	2.8%
15	Iowa	--	909,348	--	136,896	--	2,317,821	3,364,065	45,483,462	7.4%	5.4%
16	Minnesota	--	571,730	589,670	414,266	--	2,054,947	3,630,613	53,237,789	6.8%	5.7%
17	Arizona	--	6,792,904	8,240	32,193	13,134	--	6,846,471	104,392,528	6.6%	0.1%
18	Hawaii	212,276	120,087	--	325,692	--	79,674	737,729	11,559,174	6.4%	5.3%
19	Arkansas	--	1,550,558	1,689,379	33,426	--	--	3,273,363	52,168,703	6.3%	3.3%
20	North Dakota	--	1,521,034	--	3,544	--	369,485	1,894,063	30,881,137	6.1%	1.2%
21	Massachusetts	--	1,512,645	125,258	1,153,571	--	--	2,791,474	45,597,775	6.1%	2.8%
22	Maryland	--	2,104,275	218,066	408,095	--	--	2,730,436	48,956,880	5.6%	1.3%
23	Colorado	--	1,791,207	--	30,692	--	865,536	2,687,435	50,698,353	5.3%	1.8%
24	Virginia	--	1,351,194	1,780,043	678,408	--	--	3,809,645	73,069,537	5.2%	3.4%
25	Wisconsin	--	1,678,598	773,863	390,384	--	101,376	2,944,221	61,639,843	4.8%	2.1%
26	North Carolina	--	3,839,012	1,736,565	91,740	--	--	5,667,317	125,214,784	4.5%	1.5%
27	Georgia	--	2,568,837	3,362,210	56,708	--	--	5,987,755	138,010,208	4.3%	2.5%
28	Louisiana	--	713,215	2,880,930	81,432	--	--	3,675,577	90,921,829	4.0%	3.3%
29	New Mexico	--	198,211	--	21,885	--	1,255,436	1,475,532	37,265,252	4.0%	3.4%
30	Nebraska	--	893,386	--	52,014	--	261,247	1,206,647	31,669,969	3.8%	1.0%
31	Connecticut	--	543,892	8,544	754,776	--	--	1,307,212	34,681,736	3.8%	2.2%
32	South Carolina	--	1,806,948	1,804,384	106,053	--	--	3,717,385	99,267,660	3.7%	1.9%
33	Oklahoma	--	623,579	297,283	--	--	1,712,441	2,633,303	70,614,886	3.7%	2.8%
34	Wyoming	--	843,316	--	--	--	759,061	1,602,377	45,400,370	3.5%	1.7%
35	Michigan	--	1,520,353	1,703,524	736,823	--	2,212	3,962,912	112,556,738	3.5%	2.2%
36	Mississippi	--	--	1,534,602	6,480	--	--	1,541,082	46,228,847	3.3%	3.3%
37	Kentucky	--	2,591,701	369,361	89,437	--	--	3,050,499	98,792,014	3.1%	0.5%
38	Rhode Island	--	5,909	--	148,913	--	--	154,822	5,967,725	2.6%	2.5%
39	Pennsylvania	--	2,844,142	683,130	1,428,708	--	361,108	5,317,088	218,811,595	2.4%	1.1%
40	Utah	190,608	746,783	--	14,868	--	--	952,259	41,263,324	2.3%	0.5%
41	Kansas	--	9,649	--	--	--	991,890	1,001,539	45,523,736	2.2%	2.2%
42	Texas	--	661,971	892,044	255,701	--	6,670,515	8,480,231	400,582,878	2.1%	2.0%
43	Florida	--	203,422	1,978,988	2,351,701	--	--	4,534,111	223,751,621	2.0%	1.9%
44	West Virginia	--	1,572,433	--	296	--	173,757	1,746,486	93,815,804	1.9%	0.2%
45	New Jersey	--	35,436	--	900,792	--	15,991	952,219	60,700,139	1.6%	1.5%
46	Ohio	--	631,936	410,093	34,121	--	14,401	1,090,551	155,434,075	0.7%	0.3%
47	Indiana	--	489,515	--	220,212	--	--	709,727	130,489,788	0.5%	0.2%
48	Illinois	--	173,272	--	594,261	--	254,571	1,022,104	192,426,958	0.5%	0.4%
49	Missouri	--	199,214	--	23,875	--	--	223,089	91,686,343	0.2%	*
50	Delaware	--	--	--	417	--	--	417	7,182,179	*	*
51	Dist. of Columbia	--	--	--	--	--	--	--	81,467	0.0%	0.0%
U.S. Total		14,568,029	289,246,416	38,762,096	16,098,525	507,706	26,589,137	385,771,909	4,064,702,227	9.5%	2.4%

\*Less than 0.05%

<sup>1</sup>Wood and wood derived fuels includes paper pellets, railroad ties, utility poles, wood chips, bark, red liquor, sludge wood, spent sulfite liquor, and black liquor

<sup>2</sup>Biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts (including digester gases and methane)

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.2d Total Renewable Net Generation by Source and State, 2005  
Megawatthours

Rank (by Percent Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass	Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable	Percent Renewable (excluding Hydro.)	
				Wood & Derived Fuels <sup>1</sup>	Other Biomass <sup>2</sup>						
1	Idaho	--	8,542,121	559,631	--	--	9,101,752	10,824,984	84.1%	5.2%	
2	Washington	--	72,074,649	1,424,802	190,390	--	498,470	74,188,311	101,965,850	72.8%	2.1%
3	Oregon	--	30,948,345	768,195	98,043	--	734,274	32,548,857	49,325,003	66.0%	3.2%
4	South Dakota	--	3,074,566	--	--	--	158,104	3,232,670	6,520,769	49.6%	2.4%
5	Maine	--	4,090,926	3,777,959	290,230	--	--	8,159,115	18,843,978	43.3%	21.6%
6	Montana	--	9,587,349	71,612	--	--	--	9,658,961	27,938,778	34.6%	0.3%
7	California	13,022,639	39,631,867	3,609,139	2,223,526	536,713	4,262,229	63,286,113	200,292,818	31.6%	11.8%
8	Vermont	--	1,210,811	410,491	--	--	11,486	1,632,788	5,716,755	28.6%	7.4%
9	Alaska	--	1,463,942	383	4,873	13,581	589	1,483,368	6,576,659	22.6%	0.3%
10	New York	--	25,782,518	527,721	1,357,738	--	102,990	27,770,967	146,887,419	18.9%	1.4%
11	New Hampshire	--	1,798,903	785,731	156,166	--	--	2,740,800	24,470,013	11.2%	3.8%
12	Tennessee	--	9,309,541	694,555	68,191	--	3,339	10,075,626	97,117,165	10.4%	0.8%
13	Arkansas	--	3,082,516	1,707,830	27,693	--	--	4,818,039	47,794,509	10.1%	3.6%
14	Alabama	--	10,144,581	3,630,388	16,414	--	--	13,791,383	137,948,581	10.0%	2.6%
15	Nevada	1,262,707	1,702,380	--	--	--	--	2,965,087	40,213,752	7.4%	3.1%
16	Minnesota	--	774,729	656,350	413,281	--	1,582,477	3,426,837	53,018,995	6.5%	5.0%
17	Arizona	--	6,410,064	12,058	48,356	--	--	6,470,478	101,478,654	6.4%	0.1%
18	Iowa	--	959,526	--	116,842	--	1,647,134	2,723,502	44,156,160	6.2%	4.0%
19	North Carolina	--	5,396,502	1,708,706	98,442	--	--	7,203,650	129,748,578	5.6%	1.4%
20	Hawaii	221,597	96,188	--	309,740	--	6,632	634,157	11,522,805	5.5%	4.7%
21	Oklahoma	--	2,630,361	289,248	--	--	847,773	3,767,382	68,607,827	5.5%	1.7%
22	Georgia	--	4,032,053	3,194,765	77,123	--	--	7,303,941	136,667,892	5.3%	2.4%
23	Virginia	--	1,484,353	1,802,693	695,203	--	--	3,982,249	78,943,045	5.0%	3.2%
24	North Dakota	--	1,341,824	--	9,989	--	220,345	1,572,158	31,932,615	4.9%	0.7%
25	Massachusetts	--	1,041,950	120,027	1,138,288	--	--	2,300,265	47,515,443	4.8%	2.6%
26	Wisconsin	--	1,740,219	740,350	348,759	--	92,544	2,921,872	61,824,664	4.7%	1.9%
27	South Carolina	--	2,938,147	1,725,981	87,659	--	--	4,751,787	102,514,665	4.6%	1.8%
28	Colorado	--	1,415,296	448	33,879	--	776,234	2,225,857	49,616,694	4.5%	1.6%
29	Maryland	--	1,703,639	205,985	417,380	--	--	2,327,004	52,661,600	4.4%	1.2%
30	Louisiana	--	810,948	2,806,371	80,397	--	--	3,697,716	92,616,878	4.0%	3.1%
31	Connecticut	--	478,199	7,314	746,021	--	--	1,231,534	33,549,747	3.7%	2.2%
32	Kentucky	--	2,961,193	358,096	--	--	--	3,319,289	97,822,419	3.4%	0.4%
33	Mississippi	--	--	1,516,353	5,344	--	--	1,521,697	45,067,453	3.4%	3.4%
34	Wyoming	--	808,375	--	--	--	717,264	1,525,639	45,567,307	3.3%	1.6%
35	Michigan	--	1,461,708	1,775,914	716,561	--	1,848	3,956,031	121,619,771	3.3%	2.1%
36	Nebraska	--	871,473	--	42,646	--	96,608	1,010,727	31,464,734	3.2%	0.4%
37	New Mexico	--	164,993	--	4,647	--	794,630	964,270	35,135,642	2.7%	2.3%
38	Utah	184,802	784,463	--	3,948	--	--	973,213	38,165,131	2.6%	0.5%
39	Pennsylvania	--	2,232,179	687,364	1,357,703	--	284,241	4,561,487	218,091,125	2.1%	1.1%
40	Florida	--	266,159	2,022,240	2,304,956	--	--	4,593,355	220,256,412	2.1%	2.0%
41	West Virginia	--	1,447,566	460	253	--	153,892	1,602,171	93,626,285	1.7%	0.2%
42	Texas	--	1,332,560	851,698	246,705	--	4,237,209	6,668,172	396,668,722	1.7%	1.3%
43	New Jersey	--	31,113	--	874,905	--	--	906,018	60,549,583	1.5%	1.4%
44	Missouri	--	1,159,326	--	8,598	--	--	1,167,924	90,828,230	1.3%	*
45	Kansas	--	11,337	--	63,316	--	425,823	500,476	45,862,696	1.1%	1.1%
46	Ohio	--	515,744	405,560	26,761	--	13,268	961,333	156,976,323	0.6%	0.3%
47	Illinois	--	129,037	--	641,735	--	141,146	911,918	194,120,146	0.5%	0.4%
48	Indiana	--	438,282	--	67,692	--	--	505,974	130,371,573	0.4%	0.1%
49	Rhode Island	--	6,734	--	--	--	--	6,734	6,053,294	0.1%	*
50	Delaware	--	--	--	--	--	--	--	8,136,568	0.0%	0.0%
51	Dist. of Columbia	--	--	--	--	--	--	--	226,042	0.0%	0.0%
	U.S. Total	14,691,745	270,321,255	38,856,417	15,420,393	550,294	17,810,549	357,650,653	4,055,422,750	8.8%	2.2%

\*Less than 0.05%

<sup>1</sup>Wood and wood derived fuels includes paper pellets, railroad ties, utility poles, wood chips, bark, red liquor, sludge wood, spent sulfite liquor, and black liquor

<sup>2</sup>Biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts (including digester gases and methane)

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.2e Total Renewable Net Generation by Source and State, 2004  
Megawatthours

Rank (by Percent Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable	Percent Renewable (excluding Hydro.)
				Wood & Derived Fuels <sup>1</sup>	Other Biomass <sup>2</sup>						
1	Idaho	--	8,461,655	560,280	--	--	--	9,021,935	10,863,039	83.1%	5.2%
2	Washington	--	71,575,700	1,389,403	185,445	--	736,576	73,887,124	102,165,052	72.3%	2.3%
3	Oregon	--	33,080,819	409,951	86,140	--	619,012	34,195,922	51,381,278	66.6%	2.2%
4	South Dakota	--	3,597,509	--	--	--	157,678	3,755,187	7,510,214	50.0%	2.1%
5	Maine	--	3,430,249	3,186,957	411,080	--	--	7,028,286	19,098,885	36.8%	18.8%
6	Montana	--	8,856,031	62,446	--	--	--	8,918,477	26,788,768	33.3%	0.2%
7	California	13,105,306	34,140,929	3,826,906	2,161,922	570,890	4,305,875	58,111,828	194,780,355	29.8%	12.3%
8	Vermont	--	1,187,256	392,714	--	--	11,364	1,591,334	5,470,379	29.1%	7.4%
9	Alaska	--	1,498,020	389	8,828	--	--	1,507,237	6,526,717	23.1%	0.1%
10	New York	--	23,989,661	497,129	1,298,097	--	116,450	25,901,337	137,964,794	18.8%	1.4%
11	Tennessee	--	10,408,112	784,313	41,803	--	3,813	11,238,041	97,594,542	11.5%	0.9%
12	Arkansas	--	3,643,439	1,777,770	32,609	--	--	5,453,818	51,927,632	10.5%	3.5%
13	Alabama	--	10,626,221	3,756,356	22,877	--	--	14,405,454	137,354,771	10.5%	2.8%
14	New Hampshire	--	1,315,756	728,066	155,186	--	--	2,199,008	23,875,787	9.2%	3.7%
15	Nevada	1,297,504	1,615,123	--	--	--	--	2,912,627	37,667,435	7.7%	3.4%
16	Arizona	--	6,973,147	--	43,998	4,265	--	7,021,410	104,564,143	6.7%	*
17	Oklahoma	--	2,976,676	249,875	--	--	572,744	3,799,295	60,729,560	6.3%	1.4%
18	Maryland	--	2,507,521	192,384	396,824	--	--	3,096,729	52,052,770	5.9%	1.1%
19	North Dakota	--	1,545,864	--	5,603	--	214,523	1,765,990	29,936,106	5.9%	0.7%
20	North Carolina	--	5,435,199	1,620,636	112,166	--	--	7,168,001	126,329,957	5.7%	1.4%
21	Hawaii	213,288	93,901	--	328,832	--	7,495	643,516	11,410,403	5.6%	4.8%
22	Georgia	--	3,692,396	3,108,275	83,464	--	--	6,884,135	126,812,715	5.4%	2.5%
23	Wisconsin	--	1,980,676	604,634	405,443	--	103,563	3,094,316	60,444,933	5.1%	1.8%
24	Virginia	--	1,583,050	1,733,120	699,237	--	--	4,015,407	78,900,040	5.1%	3.1%
25	Iowa	--	945,959	--	105,926	--	1,049,952	2,101,837	43,248,189	4.9%	2.7%
26	Minnesota	--	738,311	652,401	332,278	--	812,371	2,535,361	52,364,127	4.8%	3.4%
27	Massachusetts	--	998,281	114,336	1,115,565	--	--	2,228,182	47,500,483	4.7%	2.6%
28	Kentucky	--	3,780,251	349,119	61,899	--	--	4,191,269	94,529,947	4.4%	0.4%
29	South Carolina	--	2,446,909	1,694,219	68,960	--	--	4,210,088	97,939,299	4.3%	1.8%
30	Louisiana	--	1,098,825	2,889,820	76,571	--	--	4,065,216	98,172,309	4.1%	3.0%
31	Connecticut	--	462,612	5,457	752,362	--	--	1,220,431	32,633,408	3.7%	2.3%
32	Mississippi	--	--	1,511,357	3,089	--	--	1,514,446	43,662,613	3.5%	3.5%
33	Michigan	--	1,539,584	1,866,638	689,936	--	1,875	4,098,033	118,487,269	3.5%	2.2%
34	Nebraska	--	913,021	--	39,518	--	38,431	990,970	32,008,709	3.1%	0.2%
35	Colorado	--	1,194,665	87	34,893	--	220,141	1,449,786	47,869,492	3.0%	0.5%
36	Wyoming	--	593,147	--	--	--	616,515	1,209,662	44,807,604	2.7%	1.4%
37	Pennsylvania	--	3,155,338	679,853	1,289,489	--	306,312	5,430,992	214,658,501	2.5%	1.1%
38	Florida	--	265,258	2,216,324	2,285,247	--	--	4,766,829	218,117,928	2.2%	2.1%
39	Rhode Island	--	5,461	--	101,526	--	--	106,987	4,939,420	2.2%	2.1%
40	New Mexico	--	138,947	--	--	--	513,465	652,412	32,940,361	2.0%	1.6%
41	Missouri	--	1,479,914	192	9,442	--	--	1,489,548	87,632,910	1.7%	*
42	Utah	194,876	449,848	--	3,821	--	--	648,545	38,211,977	1.7%	0.5%
43	West Virginia	--	1,318,279	552	1,519	--	161,191	1,481,541	89,749,562	1.7%	0.2%
44	New Jersey	--	37,503	--	805,832	--	--	843,335	55,882,342	1.5%	1.4%
45	Texas	--	1,300,609	857,217	251,780	--	3,137,690	5,547,296	390,299,132	1.4%	1.1%
46	Kansas	--	12,547	--	--	--	358,632	371,179	46,782,659	0.8%	0.8%
47	Ohio	--	729,876	397,708	30,069	--	--	1,157,653	148,345,905	0.8%	0.3%
48	Illinois	--	153,529	--	743,926	--	78,073	975,528	191,957,778	0.5%	0.4%
49	Indiana	--	443,721	--	137,370	--	--	581,091	127,770,396	0.5%	0.1%
50	Delaware	--	--	--	--	--	--	--	7,855,553	0.0%	0.0%
51	Dist. of Columbia	--	--	--	--	--	--	--	36,487	0.0%	0.0%
	U.S. Total	14,810,975	268,417,308	38,116,883	15,420,570	575,155	14,143,741	351,484,632	3,970,555,263	8.9%	2.1%

\*Less than 0.05%

<sup>1</sup>Wood and wood derived fuels includes paper pellets, railroad ties, utility poles, wood chips, bark, red liquor, sludge wood, spent sulfite liquor, and black liquor

<sup>2</sup>Biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts (including digester gases and methane)

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.2f Total Renewable Net Generation by Source and State, 2003  
Megawatthours

Rank (by Percent Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable	Percent Renewable (excluding Hydro.)
				Wood & Derived Fuels <sup>1</sup>	Other Biomass <sup>2</sup>						
1	Idaho	--	8,354,034	540,953	--	--	--	8,894,987	10,422,935	85.3%	5.2%
2	Washington	--	71,756,783	1,342,733	181,899	--	603,674	73,885,089	100,094,691	73.8%	2.1%
3	Oregon	--	33,250,332	553,914	85,066	--	443,617	34,332,929	48,966,139	70.1%	2.2%
4	South Dakota	--	4,276,303	--	--	--	44,249	4,320,552	7,943,837	54.4%	0.6%
5	Maine	--	3,172,622	3,287,905	298,105	--	--	6,758,632	18,971,635	35.6%	18.9%
6	Montana	--	8,701,772	71,168	--	--	--	8,772,940	26,268,726	33.4%	0.3%
7	California	12,981,763	36,370,704	3,880,037	2,254,281	533,606	3,895,431	59,915,822	192,788,542	31.1%	12.2%
8	Vermont	--	1,154,038	394,307	--	--	10,829	1,559,174	6,027,962	25.9%	6.7%
9	Alaska	--	1,582,536	758	5,019	--	--	1,588,313	6,338,732	25.1%	0.1%
10	New York	--	24,268,660	411,576	1,282,722	--	41,201	26,004,159	137,643,316	18.9%	1.3%
11	Tennessee	--	12,003,646	766,982	58,920	--	3,933	12,833,481	92,221,791	13.9%	0.9%
12	Alabama	--	12,664,867	3,648,883	23,975	--	--	16,337,725	137,487,222	11.9%	2.7%
13	New Hampshire	--	1,331,269	637,376	158,520	--	--	2,127,165	21,597,107	9.8%	3.7%
14	Arkansas	--	2,654,618	1,749,117	94,771	--	--	4,498,506	50,401,101	8.9%	3.7%
15	Nevada	1,065,711	1,756,705	--	--	--	--	2,822,416	33,194,888	8.5%	3.2%
16	Arizona	--	7,074,984	--	44,874	395	--	7,120,253	94,396,218	7.5%	*
17	North Carolina	--	7,200,943	1,861,663	114,053	--	--	9,176,659	127,582,319	7.2%	1.5%
18	Maryland	--	2,646,984	225,240	370,811	--	--	3,243,035	52,244,237	6.2%	1.1%
19	Georgia	--	4,140,270	3,039,353	133,920	--	--	7,313,543	124,076,834	5.9%	2.6%
20	North Dakota	--	1,723,904	--	602	--	58,878	1,783,384	31,322,129	5.7%	0.2%
21	Hawaii	178,292	90,505	--	347,167	--	1,572	617,536	10,976,371	5.6%	4.8%
22	Virginia	--	1,781,569	1,587,545	673,814	--	--	4,042,928	75,309,420	5.4%	3.0%
23	Minnesota	--	814,573	656,555	486,315	--	977,760	2,935,203	55,050,995	5.3%	3.9%
24	South Carolina	--	3,665,426	1,244,262	51,686	--	--	4,961,374	93,772,677	5.3%	1.4%
25	Wisconsin	--	1,843,295	757,443	370,701	--	97,580	3,069,019	60,122,425	5.1%	2.0%
26	Massachusetts	--	1,075,182	119,534	1,133,589	--	--	2,328,305	48,385,024	4.8%	2.6%
27	Kentucky	--	3,948,052	298,476	--	--	--	4,246,528	91,718,820	4.6%	0.3%
28	Connecticut	--	564,416	--	785,861	--	--	1,350,277	29,545,050	4.6%	2.7%
29	Iowa	--	788,593	--	114,170	--	981,970	1,884,733	42,116,192	4.5%	2.6%
30	Louisiana	--	891,991	3,013,642	64,661	--	--	3,970,294	94,885,040	4.2%	3.2%
31	Nebraska	--	980,110	--	56,442	--	38,221	1,074,773	30,455,984	3.5%	0.3%
32	Oklahoma	--	1,798,412	267,123	--	--	54,470	2,120,005	60,626,856	3.5%	0.5%
33	Michigan	--	1,385,823	1,767,721	727,314	--	2,660	3,883,518	111,347,060	3.5%	2.2%
34	Colorado	--	1,262,197	--	31,470	--	147,109	1,440,776	46,616,787	3.1%	0.4%
35	Pennsylvania	--	3,346,267	735,429	1,250,668	--	111,521	5,443,885	206,349,513	2.6%	1.0%
36	Mississippi	--	--	1,015,096	7,079	--	--	1,022,175	40,148,278	2.5%	2.5%
37	Florida	--	262,667	2,210,394	2,263,694	--	--	4,736,755	212,610,011	2.2%	2.1%
38	Wyoming	--	593,555	--	--	--	366,478	960,033	43,626,602	2.2%	0.8%
39	Rhode Island	--	6,021	--	101,768	--	--	107,789	5,621,145	1.9%	1.8%
40	New Jersey	--	38,891	--	906,771	--	--	945,662	57,399,351	1.6%	1.6%
41	Utah	198,465	421,339	--	5,083	--	--	624,887	38,023,666	1.6%	0.5%
42	West Virginia	--	1,356,031	157	4,051	--	169,762	1,530,001	94,711,554	1.6%	0.2%
43	Texas	--	896,539	1,036,160	359,724	--	2,569,853	4,862,276	379,199,685	1.3%	1.0%
44	New Mexico	--	170,699	--	--	--	182,735	353,434	32,735,653	1.1%	0.6%
45	Kansas	--	12,435	--	764	--	365,939	379,138	46,567,560	0.8%	0.8%
46	Missouri	--	652,477	179	8,297	--	--	660,953	87,225,087	0.8%	*
47	Ohio	--	510,835	407,417	33,300	--	--	951,552	146,638,128	0.6%	0.3%
48	Illinois	--	138,500	--	800,927	--	18,024	957,451	189,055,260	0.5%	0.4%
49	Indiana	--	423,953	--	119,138	--	--	543,091	124,888,217	0.4%	0.1%
50	Delaware	--	--	--	--	--	--	--	7,392,287	0.0%	0.0%
51	Dist. of Columbia	--	--	--	--	--	--	--	74,144	0.0%	0.0%
	U.S. Total	14,424,231	275,806,328	37,529,097	15,811,993	534,001	11,187,467	355,293,117	3,883,185,205	9.1%	2.0%

\*Less than 0.05%

<sup>1</sup>Wood and wood derived fuels includes paper pellets, railroad ties, utility poles, wood chips, bark, red liquor, sludge wood, spent sulfite liquor, and black liquor

<sup>2</sup>Biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts (including digester gases and methane)

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.2g Total Renewable Net Generation by Source and State, 2002  
Megawatthours

Rank (by Percent Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass	Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable	Percent Renewable (excluding Hydro.)	
		Wood & Derived Fuels <sup>1</sup>		Other Biomass <sup>2</sup>							
1	Idaho	--	8,769,321	508,303	--	--	9,277,624	9,786,933	94.8%	5.2%	
2	Washington	--	78,166,664	1,126,145	181,440	--	416,581	79,890,830	102,765,048	77.7%	1.7%
3	Oregon	--	34,413,167	624,086	48,546	--	376,159	35,461,958	47,099,368	75.3%	2.2%
4	South Dakota	--	4,353,653	--	--	--	6,043	4,359,696	7,721,958	56.5%	0.1%
5	Montana	--	9,566,909	63,470	--	--	--	9,630,379	25,473,706	37.8%	0.2%
6	Maine	--	2,767,848	3,723,759	319,773	--	--	6,811,380	22,535,033	30.2%	17.9%
7	California	13,073,615	31,140,628	3,957,589	2,018,759	554,372	3,802,645	54,547,608	184,210,030	29.6%	12.7%
8	Vermont	--	1,114,922	355,599	--	--	10,372	1,480,893	5,456,190	27.1%	6.7%
9	Alaska	--	1,439,351	1,031	11,124	--	--	1,451,506	6,767,325	21.4%	0.2%
10	New York	--	25,047,895	412,218	1,313,824	--	81,626	26,855,563	139,591,687	19.2%	1.3%
11	New Hampshire	--	1,140,940	699,767	165,187	--	--	2,005,894	15,953,078	12.6%	5.4%
12	Nevada	1,127,283	2,267,586	--	--	--	--	3,394,869	32,088,935	10.6%	3.5%
13	Arkansas	--	3,435,829	1,580,608	4,658	--	--	5,021,095	47,611,644	10.5%	3.3%
14	Alabama	--	8,824,787	3,727,493	18,401	--	--	12,570,681	132,920,670	9.5%	2.8%
15	Tennessee	--	7,973,662	750,892	45,268	--	4,068	8,773,890	96,114,261	9.1%	0.8%
16	Arizona	--	7,427,180	--	53,346	459	--	7,480,985	94,131,666	7.9%	0.1%
17	Georgia	--	2,715,722	6,218,978	162,458	--	--	9,097,158	126,512,216	7.2%	5.0%
18	Wisconsin	--	2,515,017	644,947	324,466	--	46,180	3,530,610	58,431,438	6.0%	1.7%
19	Massachusetts	--	875,076	106,687	1,165,455	--	--	2,147,218	42,027,818	5.1%	3.0%
20	North Dakota	--	1,592,616	--	410	--	--	1,593,026	31,306,312	5.1%	*
21	Minnesota	--	809,084	377,392	503,456	--	905,839	2,595,771	52,777,966	4.9%	3.4%
22	Kentucky	--	4,024,749	365,465	--	--	--	4,390,214	92,106,668	4.8%	0.4%
23	Iowa	--	946,383	91	98,242	--	918,835	1,963,551	42,528,385	4.6%	2.4%
24	Maryland	--	1,660,989	182,904	338,727	--	--	2,182,620	48,279,088	4.5%	1.1%
25	North Carolina	--	3,492,048	1,682,804	103,451	--	--	5,278,303	124,468,030	4.2%	1.4%
26	Hawaii	72,761	95,068	--	296,543	--	1,614	465,986	11,663,069	4.0%	3.2%
27	Virginia	--	868,216	1,407,922	663,350	--	--	2,939,488	75,005,651	3.9%	2.8%
28	Louisiana	--	891,441	2,748,900	61,580	--	--	3,701,921	94,970,963	3.9%	3.0%
29	Oklahoma	--	1,987,844	239,045	--	--	--	2,226,889	59,183,419	3.8%	0.4%
30	Connecticut	--	335,088	--	821,346	--	--	1,156,434	31,311,218	3.7%	2.6%
31	Nebraska	--	1,097,486	--	12,993	--	8,078	1,118,557	31,618,493	3.5%	0.1%
32	Michigan	--	1,669,252	1,474,552	745,124	--	329	3,889,257	117,889,087	3.3%	1.9%
33	Colorado	--	1,209,007	--	29,834	--	139,006	1,377,847	45,600,388	3.0%	0.4%
34	South Carolina	--	1,389,751	1,228,895	15,522	--	--	2,634,168	96,563,498	2.7%	1.3%
35	Wyoming	--	583,615	--	--	--	447,330	1,030,945	43,783,839	2.4%	1.0%
36	Mississippi	--	--	936,593	2	--	--	936,595	42,888,812	2.2%	2.2%
37	Pennsylvania	--	2,210,563	766,289	1,238,437	--	57,768	4,273,057	204,322,878	2.1%	1.0%
38	Florida	--	184,114	1,552,891	2,186,889	--	--	3,923,894	203,352,775	1.9%	1.8%
39	Utah	217,651	457,732	--	6,270	--	--	681,653	36,608,003	1.9%	0.6%
40	Missouri	--	1,356,928	143	8,560	--	--	1,365,631	81,162,198	1.7%	*
41	Rhode Island	--	3,685	--	97,752	--	--	101,437	7,056,765	1.4%	1.4%
42	New Jersey	--	12,030	--	847,199	--	--	859,229	61,569,387	1.4%	1.4%
43	Texas	--	1,123,492	1,073,462	245,687	--	2,656,104	5,098,745	385,628,543	1.3%	1.0%
44	West Virginia	--	1,065,736	51	5,531	--	9,023	1,080,341	94,761,752	1.1%	*
45	Kansas	--	12,746	--	--	--	466,679	479,425	47,188,446	1.0%	1.0%
46	New Mexico	--	264,591	--	19,408	--	--	283,999	30,661,707	0.9%	0.1%
47	Illinois	--	128,822	--	723,508	--	--	852,330	188,054,449	0.5%	0.4%
48	Ohio	--	488,329	126,067	25,244	--	--	639,640	147,068,850	0.4%	0.1%
49	Indiana	--	411,270	--	115,946	--	--	527,216	125,608,139	0.4%	0.1%
50	Delaware	--	--	--	--	--	--	--	6,002,490	0.0%	0.0%
51	Dist. of Columbia	--	--	--	--	--	--	--	261,980	0.0%	0.0%
U.S. Total		14,491,310	264,328,833	38,665,040	15,043,713	554,831	10,354,279	343,438,006	3,858,452,252	8.9%	2.1%

\*Less than 0.05%

<sup>1</sup>Wood and wood derived fuels includes paper pellets, railroad ties, utility poles, wood chips, bark, red liquor, sludge wood, spent sulfite liquor, and black liquor

<sup>2</sup>Biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts (including digester gases and methane)

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.2h Total Renewable Net Generation by Source and State, 2001  
Megawatthours

Rank (by Percent Renewable)	State	Geothermal <sup>1</sup>	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable	Percent Renewable (excluding Hydro.)
				Wood & Derived Fuels <sup>2</sup>	Other Biomass <sup>3</sup>						
1	Idaho	--	7,223,127	533,333	678,566	--	--	8,435,026	9,346,940	90.2%	13.0%
2	Washington	--	54,733,892	1,065,093	156,238	--	--	55,955,223	83,048,665	67.4%	1.5%
3	Oregon	--	28,644,556	701,120	--	--	88,587	29,434,263	45,051,910	65.3%	1.8%
4	South Dakota	--	3,431,865	--	--	--	871	3,432,736	7,400,743	46.4%	*
5	Maine	--	2,645,123	3,530,143	295,584	--	--	6,470,850	19,564,815	33.1%	19.6%
6	Montana	--	6,613,472	65,425	--	--	--	6,678,897	24,232,483	27.6%	0.3%
7	California	12,181,295	25,541,782	3,323,777	2,082,540	542,271	3,499,738	47,171,403	198,596,086	23.8%	10.9%
8	Vermont	--	884,211	370,408	--	--	12,133	1,266,752	5,480,612	23.1%	7.0%
9	Alaska	--	1,345,665	--	--	--	950	1,346,615	6,743,770	20.0%	*
10	New York	--	23,083,943	502,686	1,277,845	--	20,540	24,885,014	143,914,537	17.3%	1.3%
11	New Hampshire	--	990,581	858,769	166,854	--	--	2,016,204	15,074,629	13.4%	6.8%
12	Nevada	1,199,874	2,513,722	--	--	--	--	3,713,596	33,875,970	11.0%	3.5%
13	Alabama	--	8,356,382	4,172,256	17,109	--	--	12,545,747	125,345,122	10.0%	3.3%
14	Arkansas	--	2,548,251	1,504,696	7,302	--	--	4,060,249	47,192,036	8.6%	3.2%
15	Arizona	--	7,623,565	--	38,948	489	--	7,663,002	89,911,270	8.5%	*
16	Tennessee	--	6,946,530	779,426	42,599	--	--	7,768,555	96,221,985	8.1%	0.9%
17	Minnesota	--	831,622	574,709	505,380	--	897,017	2,808,728	48,523,228	5.8%	4.1%
17	Hawaii	206,592	100,750	--	287,705	--	2,125	597,172	10,633,095	5.6%	4.7%
19	Wisconsin	--	2,056,245	705,354	324,573	--	72,284	3,158,456	58,763,433	5.4%	1.9%
20	Massachusetts	--	702,504	129,768	1,183,021	--	--	2,015,293	38,478,433	5.2%	3.4%
21	Oklahoma	--	2,344,690	230,696	49,823	--	--	2,625,209	55,249,448	4.8%	0.5%
22	Georgia	--	2,596,425	2,974,339	28,419	--	--	5,599,183	118,316,772	4.7%	2.5%
22	North Dakota	--	1,332,076	--	7,665	--	--	1,339,741	30,332,072	4.4%	*
24	Kentucky	--	3,855,508	9,552	--	--	--	3,865,060	95,417,624	4.1%	*
25	Connecticut	--	286,373	--	908,925	--	--	1,195,298	30,490,640	3.9%	3.0%
26	Louisiana	--	732,217	2,640,656	63,635	--	--	3,436,508	87,894,382	3.9%	3.1%
27	Nebraska	--	1,124,122	--	16,663	--	2,630	1,143,415	30,485,214	3.8%	0.1%
28	Virginia	--	1,014,222	1,148,106	598,967	--	--	2,761,295	74,104,744	3.7%	2.4%
29	North Carolina	--	2,595,708	1,642,330	108,959	--	--	4,346,997	117,495,853	3.7%	1.5%
29	Iowa	--	845,153	--	103,749	--	487,864	1,436,766	40,658,513	3.5%	1.5%
31	Michigan	--	1,561,918	1,700,261	661,120	--	280	3,923,579	111,845,612	3.5%	2.1%
31	Colorado	--	1,494,704	--	64,204	--	48,640	1,607,548	46,876,013	3.4%	0.2%
33	Maryland	--	1,183,518	11,939	361,079	--	--	1,556,536	49,062,340	3.2%	0.8%
34	Wyoming	--	879,111	--	--	--	365,162	1,244,273	44,776,941	2.8%	0.8%
35	Mississippi	--	--	1,432,117	--	--	--	1,432,117	53,446,452	2.7%	2.7%
35	South Carolina	--	1,225,443	866,107	28,045	--	--	2,119,595	89,158,988	2.4%	1.0%
37	Florida	--	147,718	1,828,239	1,961,520	--	--	3,937,477	190,945,341	2.1%	2.0%
38	Utah	185,989	508,407	--	5,496	--	--	699,892	35,886,998	2.0%	0.5%
38	Pennsylvania	--	1,650,004	596,736	1,288,282	--	11,174	3,546,196	196,576,594	1.8%	1.0%
40	New Jersey	--	18,001	--	843,637	--	--	861,638	59,421,254	1.5%	1.4%
41	Rhode Island	--	3,143	--	103,616	--	--	106,759	7,501,894	1.4%	1.4%
42	Missouri	--	1,104,135	--	8,797	--	--	1,112,932	79,544,875	1.4%	*
43	West Virginia	--	951,944	1,198	14,329	--	--	967,471	81,836,725	1.2%	*
44	Texas	--	1,200,331	897,605	95,830	--	1,187,510	3,381,276	372,580,008	0.9%	0.6%
45	New Mexico	--	237,320	--	18,652	--	--	255,972	33,611,642	0.8%	0.1%
46	Ohio	--	510,785	403,072	27,888	--	--	941,745	142,261,810	0.7%	0.3%
47	Indiana	--	570,692	--	--	--	--	570,692	122,569,679	0.5%	0.0%
48	Kansas	--	25,561	--	--	--	39,832	65,393	44,748,522	0.1%	0.1%
49	Illinois	--	144,029	--	114,579	--	--	258,608	179,249,272	0.1%	0.1%
50	Delaware	--	--	--	--	--	--	--	6,807,686	0.0%	0.0%
50	Dist. of Columbia	--	--	--	--	--	--	--	123,239	0.0%	0.0%
	U.S. Total	13,773,750	216,961,046	35,199,916	14,548,141	542,755	6,737,337	287,762,945	3,736,676,909	7.7%	1.9%

\*Less than 0.05%

<sup>1</sup>EIA only records data from Utah's Blundell Geothermal Plant (153 GWh) and not the Cove Fort Plant (32 GWh) in 2001; the correction was made above. Cove Fort closed in early 2002.

<sup>2</sup>Wood and wood derived fuels includes paper pellets, railroad ties, utility poles, wood chips, bark, red liquor, sludge wood, spent sulfite liquor, and black liquor

<sup>3</sup>Biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts (including digester gases and methane)

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.2i Total Renewable Net Generation by Source and State, 2000  
Megawatthours

Rank (by Percent Renewable)	State	Geothermal <sup>1</sup>	Conventional Hydroelectric	Biomass	Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable	Percent Renewable (excluding Hydro.)	
				Wood & Derived Fuels <sup>2</sup>	Other Biomass <sup>3</sup>						
1	Idaho	--	10,966,695	483,258	--	--	11,449,953	11,910,442	96.1%	4.1%	
2	Washington	--	80,262,889	1,240,897	250,666	--	81,754,452	108,236,877	75.5%	1.4%	
3	Oregon	--	38,115,630	541,357	95,300	--	38,818,986	51,789,974	75.0%	1.4%	
4	South Dakota	--	5,715,508	--	--	--	5,715,508	9,697,337	58.9%	0.0%	
5	Maine	--	3,590,816	3,240,998	580,869	--	7,412,683	14,047,948	52.8%	27.2%	
6	Montana	--	9,623,257	46,923	--	--	9,670,180	26,451,826	36.6%	0.2%	
7	California	12,308,471	38,333,786	3,573,501	2,610,333	493,334	3,518,023	60,837,448	208,082,483	29.2%	10.8%
8	Vermont	--	1,221,090	347,523	--	--	1,580,862	6,303,014	25.1%	5.7%	
9	New York	--	24,909,572	640,325	2,231,612	--	10,345	27,791,854	138,079,074	20.1%	2.1%
10	New Hampshire	--	1,427,213	862,388	244,270	--	--	2,533,871	15,031,497	16.9%	7.4%
11	Alaska	--	1,001,819	--	--	--	--	1,001,819	6,156,525	16.3%	0.0%
12	Nevada	1,370,791	2,429,468	--	--	--	--	3,800,259	35,484,916	10.7%	3.9%
13	Arizona	--	8,354,216	--	4,583	--	--	8,358,799	88,946,578	9.4%	*
14	Arkansas	--	2,370,483	1,586,581	7,456	--	--	3,964,520	43,875,767	9.0%	3.6%
15	Hawaii	262,053	103,459	--	538,349	--	17,003	920,864	10,593,405	8.7%	7.7%
16	Massachusetts	--	1,065,159	122,106	2,074,711	--	--	3,261,976	38,697,880	8.4%	5.7%
17	Connecticut	--	526,312	--	2,153,134	--	--	2,679,446	32,967,568	8.1%	6.5%
18	Alabama	--	5,817,631	4,047,153	29,013	--	--	9,893,797	124,405,343	8.0%	3.3%
19	Tennessee	--	6,396,209	760,844	38,805	--	--	7,195,858	95,838,583	7.5%	0.8%
20	North Dakota	--	2,122,561	--	7,975	--	--	2,130,536	31,311,195	6.8%	*
21	Minnesota	--	931,383	522,348	797,221	--	724,524	2,975,476	51,423,339	5.8%	4.0%
22	Wisconsin	--	1,985,634	840,890	310,033	--	2,728	3,139,285	59,644,419	5.3%	1.9%
23	Nebraska	--	1,500,724	--	16,514	--	--	1,517,238	29,109,864	5.2%	0.1%
24	Maryland	--	1,732,619	179,580	638,830	--	--	2,551,029	51,145,380	5.0%	1.6%
25	Georgia	--	2,480,796	3,015,459	89,339	--	--	5,585,594	123,877,412	4.5%	2.5%
25	Mississippi	--	--	1,680,086	218	--	--	1,680,304	37,614,562	4.5%	4.5%
27	Oklahoma	--	2,276,933	145,756	2,431	--	--	2,425,120	55,571,957	4.4%	0.3%
28	Michigan	--	1,427,679	1,790,809	1,098,786	--	--	4,317,274	104,209,596	4.1%	2.8%
29	North Carolina	--	3,137,815	1,664,192	109,376	--	--	4,911,383	122,274,356	4.0%	1.5%
30	Virginia	--	711,984	1,677,170	466,930	--	--	2,856,084	77,189,371	3.7%	2.8%
31	Louisiana	--	532,290	2,697,569	94,883	--	--	3,324,742	92,865,635	3.6%	3.0%
31	Iowa	--	904,010	--	88,562	--	493,820	1,486,392	41,542,011	3.6%	1.4%
33	Colorado	--	1,454,415	--	17,914	--	--	1,472,329	44,165,546	3.3%	*
34	South Carolina	--	1,533,490	1,351,052	68,681	--	--	2,953,223	93,346,237	3.2%	1.5%
35	Florida	--	86,769	2,059,033	3,631,312	--	--	5,777,114	191,815,839	3.0%	3.0%
36	Wyoming	--	1,011,035	--	--	--	245,911	1,256,946	45,494,281	2.8%	0.5%
37	Utah	186,461	746,125	--	9,110	--	--	941,696	36,639,176	2.6%	0.5%
38	Kentucky	--	2,324,568	12,293	--	--	--	2,336,861	93,006,083	2.5%	*
38	Pennsylvania	--	2,290,232	691,988	2,028,662	--	9,813	5,020,695	201,687,980	2.5%	1.4%
40	New Jersey	--	14,036	--	1,364,314	--	--	1,378,350	58,085,216	2.4%	2.3%
41	Rhode Island	--	4,867	--	115,239	--	--	120,106	5,971,544	2.0%	1.9%
42	West Virginia	--	1,150,903	--	14,432	--	--	1,165,335	92,865,175	1.3%	*
43	Missouri	--	599,920	--	82,853	--	--	682,773	76,593,939	0.9%	0.1%
44	Ohio	--	583,048	620,542	26,849	--	--	1,230,439	149,060,281	0.8%	0.4%
45	Texas	--	828,963	1,152,246	126,173	41	492,146	2,599,569	377,742,363	0.7%	0.5%
45	New Mexico	--	221,152	--	8,464	--	--	229,616	34,022,021	0.7%	*
47	Illinois	--	143,827	--	908,392	--	--	1,052,219	178,496,081	0.6%	0.5%
47	Indiana	--	588,276	--	129,883	--	--	718,159	127,819,518	0.6%	0.1%
49	Delaware	--	--	--	18,838	--	--	18,838	5,987,452	0.3%	0.3%
50	Kansas	--	15,332	--	--	--	--	15,332	44,815,905	*	*
51	Dist. of Columbia	--	--	--	--	--	--	--	144,374	0.0%	0.0%
	<b>Totals</b>	<b>14,127,776</b>	<b>275,572,597</b>	<b>37,594,866</b>	<b>23,131,314</b>	<b>493,375</b>	<b>5,593,261</b>	<b>356,513,189</b>	<b>3,802,135,145</b>	<b>9.4%</b>	<b>2.1%</b>

\*Less than 0.05%

<sup>1</sup>EIA only records data from Utah's Blundell Geothermal Plant (152 GWh) and not the Cove Fort Plant (35 GWh) in 2000; the correction was made above. Cove Fort closed in early 2002.

<sup>2</sup>Wood and wood derived fuels includes paper pellets, railroad ties, utility poles, wood chips, bark, red liquor, sludge wood, spent sulfite liquor, and black liquor

<sup>3</sup>Biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts (including digester gases and methane)

Source: [EIA, Electric Power Annual - Historical state-level tables](#)