

Table 6.2 Total Renewable Net Generation by Source and State, 2017
Megawatthours

Rank (by % Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable
				Wood & Derived Fuels ¹	Other Biomass ²					
1	Vermont		1,280	436	12	99	305	2,132	2,141	99.6%
2	Idaho	84	10,670	349	117	459	2,545	14,224	17,396	81.8%
3	Washington		82,183	1,571	328	0	6,925	91,007	115,912	78.5%
4	South Dakota		5,256			2	2,958	8,216	10,936	75.1%
5	Maine		3,389	2,529	175	5	2,333	8,431	11,264	74.8%
6	Oregon	174	38,294	619	361	194	6,227	45,870	62,714	73.1%
7	Dist. of Columbia				47			47	67	70.5%
8	California	11,560	42,363	2,967	2,841	24,353	12,823	96,907	206,146	47.0%
9	Montana		10,946	21		14	2,155	13,136	28,221	46.5%
10	Iowa		1,034	2	208	5	21,373	22,621	57,910	39.1%
11	Kansas		29		57	5	18,598	18,690	50,933	36.7%
12	Oklahoma		2,036	231	68	33	23,599	25,966	73,732	35.2%
13	North Dakota		2,582		2		11,359	13,943	41,505	33.6%
14	New York		30,145	620	1,666	183	4,136	36,750	128,065	28.7%
15	Alaska		1,644		44		142	1,829	6,497	28.1%
16	Minnesota		1,258	1,296	637	596	11,137	14,924	58,749	25.4%
17	Nevada	3,292	1,813		58	4,146	361	9,669	38,201	25.3%
18	Colorado		1,897	91	75	954	9,315	12,332	53,844	22.9%
19	New Hampshire		1,413	1,472	138		412	3,435	17,447	19.7%
20	Nebraska		1,489		97	15	5,084	6,686	35,407	18.9%
21	New Mexico	13	193		18	1,193	4,595	6,011	33,597	17.9%
22	Texas		1,062	908	669	2,189	67,061	71,889	452,794	15.9%
23	Hawaii	323	66		293	174	532	1,388	9,812	14.1%
24	Utah	481	1,294		78	2,211	858	4,922	37,412	13.2%
25	Tennessee		8,691	851	97	92	43	9,774	79,046	12.4%
26	Arizona		6,832	133	39	4,942	570	12,515	105,852	11.8%
27	Wyoming		1,124				4,321	5,444	46,742	11.6%
28	Massachusetts		1,037	131	1,030	788	233	3,219	32,204	10.0%
29	Maryland		1,965	120	416	267	561	3,330	34,104	9.8%
30	North Carolina		3,818	2,117	695	5,114	471	12,215	128,468	9.5%
31	Alabama		9,237	3,384	41	181		12,844	139,964	9.2%
32	Wisconsin		2,657	878	582	21	1,641	5,780	65,107	8.9%
33	Michigan		1,679	1,508	986	63	5,191	9,428	112,314	8.4%
34	Georgia		2,410	4,666	353	1,986		9,414	127,455	7.4%
35	Arkansas		2,943	1,332	105	31		4,411	60,775	7.3%
36	Illinois		125		474	52	12,268	12,919	183,591	7.0%
37	Kentucky		4,506	380	114	20		5,021	73,179	6.9%
38	Indiana		306		473	278	5,089	6,147	98,930	6.2%
39	Virginia		1,116	2,901	907	313		5,238	90,417	5.8%
40	Rhode Island		2		203	14	149	368	7,615	4.8%
41	South Carolina		1,835	2,228	171	80		4,314	93,081	4.6%
42	West Virginia		1,658				1,682	3,341	73,357	4.6%
43	Pennsylvania		3,123	522	1,916	70	3,591	9,222	213,639	4.3%
44	Missouri		1,182	56	88	56	2,032	3,414	84,607	4.0%
45	Louisiana		906	2,679	88	2		3,676	97,719	3.8%
46	Connecticut		332	208	584	40	13	1,177	34,563	3.4%
47	Mississippi			1,462	15	86		1,563	59,728	2.6%
48	Florida		218	2,224	2,785	876		6,104	238,413	2.6%
49	New Jersey		14		929	926	22	1,891	75,645	2.5%
50	Ohio		277	258	469	105	1,589	2,698	119,552	2.3%
51	Delaware				63	50	5	118	7,496	1.6%
	U.S. Total	15,927	300,333	41,152	21,610	53,286	254,303	686,610	4,034,268	17.0%

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

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

Table 6.2 Total Renewable Net Generation by Source and State, 2016
Megawatthours

Rank (by % Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable
				Wood & Derived Fuels ¹	Other Biomass ²					
1	Vermont		1,078	462	16	59	291	1,905	1,911	99.7%
2	Idaho	72	9,033	413	118	30	2,578	12,245	15,661	78.2%
3	Washington		78,346	1,708	299	1	8,042	88,396	114,087	77.5%
4	South Dakota		4,806			0	3,714	8,520	11,524	73.9%
5	Oregon	184	34,549	641	359	41	7,157	42,932	60,182	71.3%
6	Dist. of Columbia				53			53	76	69.0%
7	Maine		3,000	2,603	185		1,667	7,455	11,514	64.7%
8	Montana		10,083	20			2,140	12,243	27,784	44.1%
9	California	11,457	28,942	3,029	2,910	18,807	13,509	78,654	196,963	39.9%
10	Iowa		917	1	251	0	20,072	21,241	54,393	39.1%
11	Kansas		31		59	2	14,111	14,202	47,600	29.8%
12	Alaska		1,659		43		169	1,871	6,335	29.5%
13	Oklahoma		2,573	243	119	5	20,069	23,010	78,655	29.3%
14	North Dakota		1,912		6		8,172	10,090	37,856	26.7%
15	New York		26,888	639	1,605	140	3,940	33,212	134,417	24.7%
16	Colorado		1,903	86	76	538	9,421	12,024	54,418	22.1%
17	Minnesota		1,209	1,218	674	10	9,933	13,044	59,479	21.9%
18	Nevada	3,353	1,789		55	3,124	344	8,666	39,787	21.8%
19	New Hampshire		1,145	1,564	125		432	3,267	19,282	16.9%
20	Hawaii	260	91		359	89	639	1,438	9,949	14.5%
21	New Mexico	14	148		18	752	3,605	4,537	32,912	13.8%
22	Texas		1,342	948	735	731	57,531	61,286	454,048	13.5%
23	Nebraska		856		98	4	3,798	4,757	36,525	13.0%
24	Wyoming		973				4,389	5,363	46,657	11.5%
25	Arizona		7,168	176	38	3,766	542	11,690	108,763	10.7%
26	Tennessee		6,774	843	91	79	38	7,824	79,341	9.9%
27	Wisconsin		2,795	880	590	3	1,515	5,783	64,967	8.9%
28	Massachusetts		713	129	1,075	609	216	2,742	31,955	8.6%
29	Utah	485	760		84	1,054	822	3,205	38,134	8.4%
30	Arkansas		3,570	1,257	113	26		4,966	60,445	8.2%
31	North Carolina		4,417	1,960	596	3,421	6	10,400	130,779	8.0%
32	Michigan		1,564	1,522	973	9	4,696	8,764	112,122	7.8%
33	Alabama		6,985	3,297	38	31		10,351	142,385	7.3%
34	Maryland		1,392	124	422	209	527	2,674	37,167	7.2%
35	Georgia		3,373	4,303	271	881		8,827	133,380	6.6%
36	Illinois		133		467	49	10,663	11,312	187,289	6.0%
37	Virginia		1,471	2,986	1,106	21		5,584	92,555	6.0%
38	Indiana		426		433	226	4,899	5,984	101,759	5.9%
39	Kentucky		3,478	360	105	12		3,955	80,274	4.9%
40	South Carolina		2,226	2,197	180	5		4,607	96,986	4.8%
41	West Virginia		1,638				1,432	3,070	75,943	4.0%
42	Pennsylvania		2,375	508	1,883	75	3,476	8,317	215,067	3.9%
43	Rhode Island		2		205	15	27	248	6,565	3.8%
44	Louisiana		1,103	2,789	87			3,979	107,269	3.7%
45	Missouri		1,268	47	91	33	1,122	2,562	78,612	3.3%
46	Connecticut		224	237	619	25	13	1,117	36,497	3.1%
47	Mississippi			1,513	11			1,524	62,881	2.4%
48	New Jersey		9		983	835	21	1,848	77,611	2.4%
49	Ohio		500	272	450	66	1,245	2,533	118,922	2.1%
50	Florida		175	1,972	2,671	224		5,042	238,262	2.1%
51	Delaware				68	51	5	124	8,731	1.4%
	U.S. Total	15,826	267,812	40,947	21,813	36,054	226,993	609,445	4,076,675	14.9%

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

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

Table 6.2 Total Renewable Net Generation by Source and State, 2015
Megawatthours

Rank (by % Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable
				Wood & Derived Fuels ¹	Other Biomass ²					
1	Vermont		1,139,498	445,620	18,993	48,022	325,365	1,977,498	1,982,047	99.8%
2	South Dakota		4,850,485				2,497,513	7,347,998	9,633,033	76.3%
3	Washington		73,404,916	1,692,254	298,948	790	7,075,385	82,472,293	109,287,458	75.5%
4	Idaho	75,600	8,756,622	425,796	175,481		2,270,186	11,703,685	15,667,095	74.7%
5	Oregon	178,804	31,253,851	747,239	368,525	24,208	6,631,555	39,204,182	57,866,535	67.7%
6	Maine		3,360,527	2,970,026	182,921		1,295,708	7,809,182	11,741,265	66.5%
7	Dist. of Columbia				30,999			30,999	53,750	57.7%
8	Montana		9,887,729	21,281			1,964,726	11,873,736	29,302,401	40.5%
9	Iowa		960,145	1,995	256,148		17,872,632	19,090,920	56,658,918	33.7%
10	New Hampshire	3,110,504	1,270,222	1,505,681	118,650		423,496	6,428,553	20,015,893	32.1%
11	California	11,883,135	13,808,498	3,584,165	2,883,729	14,814,384	12,229,559	59,203,470	196,703,858	30.1%
12	Alaska		1,568,929		54,892		159,694	1,783,515	6,284,937	28.4%
13	Kansas		18,963		61,937	1,806	10,998,501	11,081,207	45,527,124	24.3%
14	New York		26,014,520	616,274	1,624,771	100,526	3,976,980	32,333,071	138,627,721	23.3%
15	North Dakota		2,094,168		3,594		6,505,704	8,603,466	37,156,612	23.2%
16	Oklahoma		2,663,901	244,967	91,201	1,556	14,030,897	17,032,522	76,135,596	22.4%
17	Minnesota		849,054	1,177,196	628,826	2,789	9,778,845	12,436,710	56,979,768	21.8%
18	Colorado		1,620,161	832	79,724	251,371	7,475,279	9,427,367	52,393,077	18.0%
19	Tennessee		9,581,240	922,055	81,768	76,147	45,841	10,707,051	75,214,636	14.2%
20	Hawaii	230,340	121,170		320,941	54,397	612,772	1,339,620	10,119,500	13.2%
21	Nebraska		1,684,980		70,953		3,180,463	4,936,396	39,883,391	12.4%
22	Nevada		2,264,136		25,695	1,657,405	309,724	4,256,960	39,046,784	10.9%
23	Texas		956,410	656,580	783,645	400,759	44,833,365	47,630,759	449,826,336	10.6%
24	Wyoming		868,261				3,756,708	4,624,969	48,966,519	9.4%
25	Arizona		6,535,722	176,984	49,644	3,456,608	452,035	10,670,993	113,142,048	9.4%
26	Arkansas		3,569,195	1,351,667	89,290	927		5,011,079	55,559,428	9.0%
27	New Mexico	9,675	99,473		19,573	614,877	2,090,021	2,833,619	32,701,398	8.7%
28	Alabama		9,861,804	3,245,654	43,630			13,151,088	152,477,427	8.6%
29	Wisconsin		2,340,681	999,861	571,059	1,417	1,589,381	5,502,399	66,360,183	8.3%
30	Massachusetts		827,184	119,769	1,047,103	451,366	214,666	2,660,088	32,085,969	8.3%
31	Michigan		1,499,223	1,446,608	1,038,263	1,190	4,796,898	8,782,182	113,008,050	7.8%
32	Maryland		1,623,190	111,162	403,239	118,801	434,595	2,690,987	36,365,544	7.4%
33	North Carolina		4,742,004	2,045,348	544,024	1,373,579		8,704,955	128,388,445	6.8%
34	Virginia		1,158,428	3,041,126	1,103,032			5,302,586	84,411,592	6.3%
35	Georgia		2,983,563	4,392,768	340,800	129,452		7,846,583	128,817,898	6.1%
36	Illinois		124,460	36	526,821	49,360	10,747,270	11,447,947	193,952,040	5.9%
37	Indiana		381,236		446,408	156,098	4,515,147	5,498,889	104,019,275	5.3%
38	South Carolina		2,564,360	2,102,993	186,386	4,220		4,857,959	96,532,213	5.0%
39	Utah	429,517	768,773		85,131	31,859	625,917	1,941,197	41,949,120	4.6%
40	Kentucky		3,403,481	348,827	92,299			3,844,607	83,543,671	4.6%
41	Pennsylvania		2,603,704	469,842	1,934,118	63,894	3,352,672	8,424,230	214,572,291	3.9%
42	West Virginia		1,385,043		4,980		1,376,232	2,766,255	72,295,269	3.8%
43	Rhode Island		3,148		211,238	14,351	10,067	238,804	6,939,019	3.4%
44	Louisiana		999,036	2,608,468	96,275			3,703,779	107,812,354	3.4%
45	Missouri		1,595,020	29,061	99,841	16,898	1,033,076	2,773,896	83,640,067	3.3%
46	Connecticut		302,467	189,754	597,714	17,439		1,107,374	37,470,622	3.0%
47	Mississippi			1,493,078	13,454			1,506,532	64,757,864	2.3%
48	Florida		244,294	2,417,636	2,501,859	223,933		5,387,722	237,412,633	2.3%
49	New Jersey		9,541		945,693	627,890	21,539	1,604,663	74,608,860	2.2%
50	Ohio		456,669	325,902	472,855	56,072	1,203,008	2,514,506	121,893,401	2.1%
51	Delaware				76,298	48,512	5,126	129,936	7,810,006	1.7%
	U.S. Total	15,917,575	249,080,085	41,928,506	21,703,372	24,892,904	190,718,548	544,240,990	4,077,600,939	13.3%

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

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Table 6.2 Total Renewable Net Generation by Source and State, 2014
Megawatthours

Rank (by % Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable
				Wood & Derived Fuels ¹	Other Biomass ²					
1	Idaho	78,799	9,002,210	417,105	175,414		2,805,800	12,479,329	15,184,417	82.2%
2	Washington		79,463,144	1,526,564	313,080	729	7,267,794	88,571,311	116,334,363	76.1%
3	Oregon	183,467	35,261,936	802,526	348,095	24,042	7,555,402	44,175,468	60,119,907	73.5%
4	South Dakota		5,498,214				2,336,293	7,834,507	10,995,240	71.3%
5	Maine		3,623,249	3,189,000	205,386		1,097,329	8,114,963	13,248,710	61.3%
6	Montana		11,482,751	13,009			1,973,794	13,469,554	30,257,616	44.5%
7	Iowa		878,605	1,776	264,470		16,306,755	17,451,605	56,853,282	30.7%
8	California	12,101,728	16,531,340	3,977,425	2,913,292	9,931,815	12,992,498	58,448,097	198,807,622	29.4%
9	Alaska		1,538,738		62,512		151,957	1,753,207	6,042,830	29.0%
10	Vermont		1,175,321	429,218	23,489	23,536	311,310	1,962,874	7,031,394	27.9%
11	North Dakota		2,531,360		2,652		6,202,412	8,736,424	36,462,508	24.0%
12	New York		26,086,902	738,834	1,668,768	70,616	3,968,407	32,533,527	137,122,202	23.7%
13	Kansas		16,214		59,217		10,844,861	10,920,292	49,728,363	22.0%
14	Minnesota		548,488	1,148,927	614,241	2,653	9,691,019	12,005,328	56,998,330	21.1%
15	Oklahoma		1,428,473	246,705	91,651		11,936,833	13,703,661	70,155,504	19.5%
16	Nevada	2,728,788	2,389,000		24,568	1,013,682	300,134	6,456,172	36,000,537	17.9%
17	Colorado		1,769,801	46,633	79,074	253,065	7,368,614	9,517,187	53,847,386	17.7%
18	New Hampshire		1,381,362	1,415,415	125,393		411,581	3,333,751	19,538,395	17.1%
19	Hawaii	253,841	94,083		334,030	39,262	578,617	1,299,833	10,204,158	12.7%
20	Tennessee		8,900,650	972,810	89,567	27,481	51,140	10,041,649	79,506,886	12.6%
21	Wyoming		868,710				4,405,757	5,274,467	49,696,183	10.6%
22	Nebraska		1,157,781		64,185		2,736,939	3,958,905	39,431,291	10.0%
23	Texas		385,898	1,074,785	733,454	282,351	40,005,124	42,481,612	437,629,668	9.7%
24	Wisconsin		2,471,773	1,100,881	542,315	1,194	1,618,001	5,734,164	61,064,796	9.4%
25	New Mexico	8,736	98,381		14,179	515,054	2,274,750	2,911,101	32,306,210	9.0%
26	Arizona		6,118,261	169,690	61,053	3,141,508	468,115	9,958,627	112,257,187	8.9%
27	Massachusetts		902,077	125,237	1,073,422	306,321	224,971	2,632,028	31,118,591	8.5%
28	Alabama		9,466,872	2,732,084	46,937			12,245,893	149,340,447	8.2%
29	Michigan		1,600,022	1,751,129	1,055,106		3,868,118	8,274,374	106,816,991	7.7%
30	Maryland		1,615,523	150,426	416,719	98,118	323,612	2,604,397	37,833,652	6.9%
31	Arkansas		2,639,776	1,427,943	102,274			4,169,993	61,592,137	6.8%
32	North Carolina		4,756,083	2,026,770	519,931	729,130		8,031,915	128,143,588	6.3%
33	Virginia		955,188	2,754,793	1,097,011			4,806,991	77,137,438	6.2%
34	Georgia		3,064,347	3,749,886	413,496	119,227		7,346,956	125,837,224	5.8%
35	Illinois		132,298		566,372	50,117	10,082,894	10,831,681	202,143,878	5.4%
36	South Carolina		2,569,126	2,243,652	194,059	4,785		5,011,621	97,158,465	5.2%
37	Utah	521,582	632,823		72,530	2,235	659,951	1,889,121	43,784,526	4.3%
38	Kentucky		3,143,567	354,455	93,534			3,591,556	90,896,435	4.0%
39	Pennsylvania		2,641,157	549,077	1,904,224	62,392	3,564,730	8,721,580	221,058,365	3.9%
40	Indiana		371,153		390,539	102,127	3,496,042	4,359,860	115,395,392	3.8%
41	Louisiana		1,090,038	2,685,727	93,877			3,869,642	104,229,402	3.7%
42	Rhode Island		3,964		206,694	9,803	9,917	230,378	6,281,748	3.7%
43	Connecticut		433,960	107,038	650,102	11,706		1,202,806	33,676,980	3.6%
44	West Virginia		1,241,974		4,615		1,451,383	2,697,972	81,059,577	3.3%
45	Mississippi			1,490,603	17,345			1,507,949	55,127,092	2.7%
46	Florida		211,388	2,539,608	2,291,816	241,684		5,284,496	230,015,937	2.3%
47	New Jersey		17,296		998,426	514,252	22,855	1,552,830	68,051,086	2.3%
48	Missouri		697,336	32,409	83,226	8,707	1,131,105	1,952,783	87,834,468	2.2%
49	Ohio		478,007	347,586	470,881	53,908	1,153,418	2,503,801	134,476,405	1.9%
50	Delaware				76,499	49,530	5,051	131,080	7,703,584	1.7%
51	Dist. of Columbia								67,612	
	U.S. Total	15,876,941	259,366,622	42,339,725	21,649,719	17,691,031	181,655,282	538,579,320	4,093,606,005	13.2%

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

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

Table 6.2 Total Renewable Net Generation by Source and State, 2013
Megawatthours

Rank (by % Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable
				Wood & Derived Fuels ¹	Other Biomass ²					
1	Idaho	39,683	8,473,451	453,824	198,415		2,460,131	11,625,504	15,186,128	76.6%
2	Washington		78,155,087	1,532,734	283,904	762	7,004,365	86,976,852	114,172,916	76.2%
3	Oregon	164,649	33,097,667	700,182	293,888	20,493	7,455,702	41,732,582	59,895,515	69.7%
4	South Dakota		4,062,609				2,687,699	6,750,308	10,108,887	66.8%
5	Maine		3,560,455	3,625,359	220,334		1,047,670	8,453,819	14,030,038	60.3%
6	Montana		9,638,260	5,117			1,754,645	11,398,021	27,687,326	41.2%
7	California	12,306,571	23,754,599	3,792,073	2,843,203	3,813,725	12,822,060	59,332,232	200,077,115	29.7%
8	Vermont		1,285,912	465,513	25,698	17,293	236,034	2,030,450	6,884,910	29.5%
9	Iowa		749,122		158,630		15,568,406	16,476,159	56,670,757	29.1%
10	Alaska		1,435,479		52,032		145,289	1,632,800	6,496,822	25.1%
11	New York		24,973,289	607,554	1,674,041	67,017	3,539,498	30,861,400	136,116,830	22.7%
12	North Dakota		1,852,421		5,481		5,518,958	7,376,860	35,021,673	21.1%
13	Minnesota		511,112	1,035,585	574,246	2,706	8,258,751	10,382,399	51,296,988	20.2%
14	Kansas		14,518		58,002		9,433,196	9,505,716	48,472,581	19.6%
15	Oklahoma		2,178,078	218,313	125,598		11,162,493	13,684,482	73,673,680	18.6%
16	Nevada	2,669,953	2,681,943		24,277	745,382	250,549	6,372,104	36,443,874	17.5%
17	Tennessee		12,443,283	958,017	85,033	20,394	46,745	13,553,472	79,651,619	17.0%
18	Colorado		1,212,872	3,089	81,121	248,452	7,203,720	8,749,255	52,937,436	16.5%
19	New Hampshire		1,427,198	1,168,932	137,286		389,184	3,122,601	19,778,520	15.8%
20	Hawaii	274,841	78,295		329,364	19,466	503,310	1,205,276	10,267,052	11.7%
21	Alabama		12,899,178	2,854,388	21,190			15,774,756	150,572,924	10.5%
22	Wyoming		710,878				4,433,284	5,144,162	52,483,065	9.8%
23	Texas		480,042	992,694	730,230	163,013	35,873,621	38,239,599	433,380,166	8.8%
24	Nebraska		1,123,915		67,279		1,801,760	2,992,954	37,104,628	8.1%
25	Wisconsin		1,978,872	1,149,717	484,340		1,557,924	5,170,853	65,962,792	7.8%
26	North Carolina		6,900,533	2,199,893	410,294	344,663		9,855,383	125,936,293	7.8%
27	Arizona		5,914,658	102,308	69,134	2,111,439	449,764	8,647,302	113,325,986	7.6%
28	New Mexico	69	91,838		18,518	388,041	2,193,421	2,691,887	35,870,965	7.5%
29	Maryland		1,727,020	142,789	413,220	63,485	321,670	2,668,184	35,850,812	7.4%
30	Massachusetts		991,504	76,531	1,060,541	106,457	204,898	2,439,930	32,885,021	7.4%
31	Arkansas		2,654,740	1,495,595	105,218			4,255,554	60,322,492	7.1%
32	Michigan		1,419,049	1,727,072	987,688		2,799,624	6,933,433	105,417,801	6.6%
33	Georgia		3,713,590	3,409,442	415,239	14,497		7,552,768	120,953,734	6.2%
34	South Carolina		3,160,274	2,012,988	212,896	115		5,386,273	95,249,894	5.7%
35	Virginia		1,253,670	1,946,217	959,725			4,159,611	76,896,565	5.4%
36	Illinois		120,295		607,986	52,120	9,625,229	10,405,630	203,004,919	5.1%
37	West Virginia		1,738,776		3,999		1,386,516	3,129,291	75,863,067	4.1%
38	Kentucky		3,275,214	228,189	98,492			3,601,895	89,741,021	4.0%
39	Indiana		386,928		376,303	30,540	3,481,093	4,274,864	110,403,477	3.9%
40	Louisiana		1,044,561	2,704,256	82,347			3,831,164	102,010,177	3.8%
41	Pennsylvania		2,524,673	491,998	1,846,840	63,106	3,352,043	8,278,660	226,785,630	3.7%
42	Utah	318,908	504,996		70,926	2,100	539,806	1,436,736	42,516,751	3.4%
43	Connecticut		401,928	4,289	647,801			1,054,018	35,610,789	3.0%
44	Mississippi			1,433,214	15,173			1,448,387	52,810,264	2.7%
45	Missouri		1,136,427	7,679	66,336		1,166,862	2,377,304	91,626,593	2.6%
46	New Jersey		18,274		998,832	437,409	10,877	1,465,392	64,750,942	2.3%
47	Florida		254,214	2,139,402	2,309,441	209,902		4,912,960	222,398,924	2.2%
48	Ohio		549,238	342,583	474,466	46,310	1,145,901	2,558,497	137,284,189	1.9%
49	Delaware				57,347	44,727	4,458	106,532	7,760,861	1.4%
50	Rhode Island		4,447		48,132	2,007	2,590	57,176	6,246,807	0.9%
51	Dist. of Columbia								65,852	
	U.S. Total	15,774,674	268,565,383	40,027,537	20,830,490	9,035,620	167,839,745	522,073,449	4,065,964,067	12.8%

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

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

Table 6.2 Total Renewable Net Generation by Source and State, 2012
Megawatthours

Rank (by % Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable
				Wood & Derived Fuels ¹	Other Biomass ²					
1	Idaho	74,676	10,940,405	459,581	89,686		1,890,559	13,454,907	15,499,089	86.8%
2	Washington		89,464,355	1,374,801	238,989	794	6,599,766	97,678,705	116,835,474	83.6%
3	Oregon	25,651	39,410,178	600,112	231,587	6,412	6,343,468	46,617,408	60,932,715	76.5%
4	Maine		3,732,604	2,944,950	266,928		886,918	7,831,400	14,428,596	54.3%
5	South Dakota		5,980,965					5,980,965	12,034,206	49.7%
6	Montana		11,283,465				1,261,752	12,545,217	27,804,784	45.1%
7	California	12,518,999	26,837,370	3,797,596	2,513,721	1,382,300	9,754,230	56,804,216	199,518,567	28.5%
8	Iowa		766,191		150,934		14,032,491	14,949,615	56,675,404	26.4%
9	Vermont		1,109,205	327,561	25,646	5,064	106,897	1,574,374	6,569,670	24.0%
10	Alaska		1,575,045		2,565		37,393	1,615,003	6,946,419	23.2%
11	New York		24,652,495	487,784	1,660,351	52,713	2,991,580	29,844,923	135,768,251	22.0%
12	North Dakota		2,477,230		5,543		5,274,509	7,757,282	36,125,159	21.5%
13	Minnesota		561,022	839,246	999,217		7,615,408	10,014,892	52,193,624	19.2%
14	Nevada	2,347,465	2,440,415		18,961	473,417	128,788	5,409,045	35,173,263	15.4%
15	Colorado		1,497,209	267	57,722	165,449	5,968,643	7,689,291	52,556,701	14.6%
16	New Hampshire		1,289,386	1,035,295	137,292		208,699	2,670,671	19,264,435	13.9%
17	Oklahoma		1,145,514	269,016	94,122		8,157,585	9,666,238	77,896,588	12.4%
18	Kansas		10,399		57,347		5,195,306	5,263,052	44,424,691	11.8%
19	Tennessee		8,295,660	714,577	62,206	12,183	47,492	9,132,118	77,724,264	11.7%
20	Wyoming		893,470				4,369,107	5,262,577	49,588,606	10.6%
21	Hawaii	260,997	114,581		280,976	4,608	378,234	1,039,396	10,469,269	9.9%
22	Texas		584,474	983,984	700,275	118,265	32,214,173	34,601,171	429,812,510	8.1%
23	New Mexico		222,819		14,266	333,797	2,225,788	2,796,670	36,635,909	7.6%
24	Massachusetts		912,482	658,991	1,065,140	29,614	89,673	2,755,901	36,198,121	7.6%
25	Nebraska		1,257,054		63,132		1,283,630	2,603,816	34,217,293	7.6%
26	Arizona		6,716,934	156,697	53,872	955,443	531,640	8,414,586	110,904,994	7.6%
27	Wisconsin		1,522,235	1,148,874	516,726		1,557,578	4,745,413	63,742,910	7.4%
28	Maryland		1,656,539	158,953	395,039	22,473	321,687	2,554,691	37,809,744	6.8%
29	South Carolina		1,420,272	1,940,953	202,520		2,914,666	6,478,411	96,755,682	6.7%
30	Alabama		7,435,223	2,768,765	7,789			10,211,777	152,878,688	6.7%
31	Arkansas		2,198,472	1,589,891	70,479			3,858,842	65,005,678	5.9%
32	North Carolina		3,727,938	2,262,087	302,342	139,491		6,431,857	116,681,763	5.5%
33	Virginia		1,043,774	1,435,790	922,654			3,402,218	70,739,235	4.8%
34	Utah	334,638	747,786		59,556	1,619	703,911	1,847,510	39,402,961	4.7%
35	Michigan		1,214,854	1,697,524	956,227		1,131,688	5,000,293	108,166,078	4.6%
36	Georgia		2,236,300	3,107,494	168,122	2,921		5,514,836	122,306,364	4.5%
37	Illinois		111,208		615,193	30,657	7,726,810	8,483,868	197,565,363	4.3%
38	West Virginia		1,431,440	-1	10,540		1,286,024	2,728,003	73,413,405	3.7%
39	Indiana		433,505		336,092	171	3,210,104	3,979,872	114,695,729	3.5%
40	Louisiana		679,944	2,366,281	63,762			3,109,986	103,407,706	3.0%
41	Pennsylvania		2,241,920	533,585	1,764,728	32,147	2,128,658	6,701,038	223,419,715	3.0%
42	Kentucky		2,361,782	236,543	96,336			2,694,661	89,949,689	3.0%
43	Mississippi			1,492,749	16,441			1,509,190	54,584,295	2.8%
44	Connecticut		312,141	736	665,789			978,666	36,117,544	2.7%
45	Missouri		714,269		53,801		1,244,778	2,012,848	91,804,321	2.2%
46	Florida		150,511	2,057,561	2,272,621	193,616		4,674,309	221,096,136	2.1%
47	New Jersey		10,755		964,821	304,326	11,568	1,291,470	65,263,408	2.0%
48	Ohio		414,161	350,888	365,613	36,637	985,485	2,152,783	129,745,731	1.7%
49	Delaware				104,854	22,559	3,638	131,051	8,633,694	1.5%
50	Rhode Island		4,266		100,515		1,380	106,161	8,309,036	1.3%
51	Dist. of Columbia								71,787	
	U.S. Total	15,562,426	276,240,223	37,799,129	19,823,037	4,326,675	140,821,703	494,573,193	4,047,765,259	12.2%

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

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

Table 6.2 Total Renewable Net Generation by Source and State, 2011
Megawatthours

Rank (by % Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable
				Wood & Derived Fuels ¹	Other Biomass ²					
1	Idaho	63,490	13,404,799	474,384	47,618		1,306,682	15,296,973	16,568,786	92.3%
2	Washington		91,817,702	1,582,250	168,872	840	6,262,380	99,832,044	115,262,601	86.6%
3	Oregon		42,314,821	492,099	222,255	90	4,775,374	47,804,639	59,695,164	80.1%
4	South Dakota		6,608,164					6,608,164	11,998,886	55.1%
5	Maine		3,978,978	3,511,418	276,637		706,640	8,473,672	15,973,688	53.0%
6	Montana		12,595,881				1,265,168	13,861,049	30,128,543	46.0%
7	California	12,552,383	42,557,467	3,444,683	2,584,693	888,829	7,751,837	69,779,892	200,804,842	34.8%
8	Vermont		1,424,733	372,248	25,448	1,815	33,185	1,857,429	6,776,219	27.4%
9	New York		27,996,988	442,128	1,619,149	6,443	2,828,069	32,892,776	137,480,347	23.9%
10	North Dakota		2,580,042		9,862		5,235,590	7,825,494	35,079,900	22.3%
11	Iowa		925,352		160,592		10,709,177	11,795,121	56,371,913	20.9%
12	Alaska		1,344,746		3,287		12,446	1,360,478	6,871,033	19.8%
13	Minnesota		746,148	748,211	932,205		6,725,695	9,152,260	53,120,061	17.2%
14	Nevada	2,146,119	2,190,583			291,225		4,627,927	31,935,918	14.5%
15	Colorado		2,082,621	172	61,520	104,636	5,200,322	7,449,271	51,432,554	14.5%
16	New Hampshire		1,604,811	917,072	108,059		66,092	2,696,034	20,065,941	13.4%
17	Tennessee		9,575,639	930,454	36,180		53,143	10,595,416	81,103,862	13.1%
18	Wyoming		1,223,730				4,611,868	5,835,598	47,638,471	12.2%
19	Oklahoma		1,506,941	226,725	87,242		5,605,265	7,426,173	74,605,714	10.0%
20	Hawaii	223,888	93,141		312,627	3,593	340,812	974,061	10,723,333	9.1%
21	Arizona		9,174,092	143,626	46,834	83,349		9,447,900	108,125,357	8.7%
22	Kansas		14,745		58,753		3,719,979	3,793,477	45,359,840	8.4%
23	Maryland		2,547,123	168,432	379,890	2,706	270,713	3,368,864	41,818,068	8.1%
24	Arkansas		2,957,845	1,586,637	81,008		255,579	4,881,070	61,307,536	8.0%
25	Wisconsin		2,146,910	1,031,868	545,413		1,187,730	4,911,921	63,289,344	7.8%
26	Nebraska		1,617,228		65,420		1,050,885	2,733,533	36,095,051	7.6%
27	Texas		563,054	928,281	678,127	28,639	30,548,087	32,746,187	435,476,924	7.5%
28	Alabama		8,883,598	2,806,764	9,898			11,700,260	156,339,210	7.5%
29	New Mexico		194,766		9,426	127,802	2,104,497	2,436,491	38,181,139	6.4%
30	Massachusetts		1,148,762	101,295	1,039,130	4,764	61,385	2,355,335	38,054,821	6.2%
31	South Carolina		1,554,181	1,988,074	141,094		2,668,300	6,351,649	102,972,567	6.2%
32	Utah	330,188	1,230,165		58,007		572,790	2,191,150	40,836,150	5.4%
33	North Carolina		3,893,396	1,952,891	375,213	17,380		6,238,880	118,389,855	5.3%
34	Virginia		1,210,389	1,406,003	789,638			3,406,030	66,670,859	5.1%
35	Georgia		2,705,058	3,070,257	119,263			5,894,577	124,749,341	4.7%
36	Michigan		1,357,308	1,678,607	827,244		456,474	4,319,633	109,169,507	4.0%
37	Connecticut		567,442	836	658,873			1,227,151	33,745,221	3.6%
38	Illinois		140,462	519	637,580	14,062	6,213,132	7,005,756	199,499,728	3.5%
39	Kentucky		2,969,312	341,272	94,958			3,405,543	98,350,982	3.5%
40	Louisiana		1,044,019	2,371,437	71,093			3,486,550	105,490,737	3.3%
41	Indiana		408,779		335,588		3,285,411	4,029,778	122,131,414	3.3%
42	West Virginia		1,453,109	235	9,191		1,102,512	2,565,048	78,999,624	3.2%
43	Pennsylvania		3,217,216	627,935	1,653,446	23,144	1,794,465	7,316,206	227,314,722	3.2%
44	Mississippi			1,502,779	3,297			1,506,077	51,570,943	2.9%
45	Missouri		1,185,144	46	62,147		1,178,212	2,425,549	94,876,397	2.6%
46	Delaware			144,732	8,280		4,825	157,836	6,590,195	2.4%
47	Florida		182,042	2,209,433	2,334,985	125,726		4,852,185	221,894,574	2.2%
48	Rhode Island		7,411		127,405		2,912	137,728	8,722,273	1.6%
49	New Jersey		24,407		876,111	68,878	10,523	979,919	64,694,096	1.5%
50	Ohio		383,655	389,998	331,756	15,495	198,443	1,319,347	135,585,804	1.0%
51	Dist. of Columbia								200,874	
	U.S. Total	15,316,068	319,354,903	37,449,067	19,221,763	1,817,696	120,176,599	513,336,096	4,100,140,926	12.5%

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

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

Table 6.2 Total Renewable Net Generation by Source and State, 2010
Megawatthours

Rank (by % Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable
				Wood & Derived Fuels ¹	Other Biomass ²					
1	Idaho	71,841	9,154,244	477,841	23,582		440,746	10,168,254	12,024,564	84.6%
2	Washington		68,288,383	1,675,915	196,370		4,744,679	74,905,347	103,472,729	72.4%
3	South Dakota		5,238,801				1,371,750	6,610,551	10,049,636	65.8%
4	Oregon		30,542,260	631,941	204,932		3,920,007	35,299,140	55,126,999	64.0%
5	Maine		3,810,381	3,389,577	263,508		499,198	7,962,664	17,018,660	46.8%
6	Montana		9,414,662	96,924			930,233	10,441,819	29,791,181	35.1%
7	California	12,600,098	33,430,870	3,550,877	2,450,783	769,331	6,078,632	58,880,591	204,125,596	28.8%
8	Vermont		1,346,887	443,366	25,081		13,892	1,829,226	6,619,990	27.6%
9	New York		25,471,697	547,304	1,671,090		2,596,154	30,286,245	136,961,654	22.1%
10	Alaska		1,433,141		6,304		12,607	1,452,052	6,759,576	21.5%
11	Iowa		948,168		190,146		9,170,337	10,308,651	57,508,721	17.9%
12	North Dakota		2,042,118				4,095,641	6,137,759	34,739,542	17.7%
13	Minnesota		840,410	932,558	915,352		4,791,723	7,480,043	53,670,227	13.9%
14	Nevada	2,069,730	2,157,296		12,387	216,917		4,456,330	35,146,248	12.7%
15	New Hampshire		1,477,583	1,029,758	126,772		75,688	2,709,801	22,195,912	12.2%
16	Tennessee		8,137,795	913,856	33,123		40,570	9,125,344	82,348,625	11.1%
17	Colorado		1,578,264	2,205	57,979	42,498	3,451,851	5,132,797	50,720,792	10.1%
18	Oklahoma		2,808,788	254,829	97,043		3,808,083	6,968,743	72,250,733	9.6%
19	Wyoming		1,023,887				3,246,793	4,270,680	48,119,254	8.9%
20	Arkansas		3,658,962	1,566,984	56,959			5,282,905	61,000,185	8.7%
21	Hawaii	200,595	70,423	9	283,474	1,770	261,120	817,391	10,836,036	7.5%
22	Alabama		8,704,254	2,365,453	11,533			11,081,240	152,150,512	7.3%
23	Kansas		13,214		54,286		3,405,065	3,472,565	47,923,762	7.2%
24	Wisconsin		2,111,852	877,632	507,860		1,088,464	4,585,808	64,314,067	7.1%
25	Texas		1,261,832	900,074	545,136	8,208	26,251,410	28,966,660	411,695,046	7.0%
26	Arizona		6,622,160	139,826	28,411	15,754	134,916	6,941,067	111,750,957	6.2%
27	New Mexico		217,010		13,680	8,930	1,832,182	2,071,802	36,251,542	5.7%
28	North Carolina		4,756,549	1,876,492	195,310	11,340		6,839,691	128,678,483	5.3%
29	Massachusetts		996,339	125,412	1,125,326	928	22,068	2,270,073	42,804,824	5.3%
30	Maryland		1,667,396	164,688	407,403	80	1,494	2,241,061	43,607,264	5.1%
31	Virginia		1,500,182	1,404,304	815,345			3,719,831	72,966,456	5.1%
32	Nebraska		1,313,856		71,508		421,645	1,807,009	36,630,006	4.9%
33	Georgia		3,321,702	3,053,562	127,001			6,502,265	137,576,941	4.7%
34	South Carolina		2,376,444	1,742,067	130,997			4,249,508	104,153,133	4.1%
35	Michigan		1,250,553	1,669,736	802,376		360,340	4,083,005	111,551,371	3.7%
36	Utah	276,949	695,512		56,338		447,680	1,476,479	42,249,355	3.5%
37	Louisiana		1,108,794	2,393,409	74,367			3,576,570	102,884,940	3.5%
38	Connecticut		390,667	414	739,246			1,130,327	33,349,623	3.4%
39	Kentucky		2,580,246	349,071	90,803			3,020,120	98,217,658	3.1%
40	Indiana		453,712		311,623		2,934,043	3,699,378	125,180,739	3.0%
41	Pennsylvania		2,332,201	674,878	1,708,356	7,910	1,854,032	6,577,377	229,752,306	2.9%
42	West Virginia		1,367,361				939,172	2,306,533	80,788,947	2.9%
43	Mississippi			1,503,279	991			1,504,270	54,487,260	2.8%
44	Missouri		1,539,347	119	61,988		925,490	2,526,944	92,312,989	2.7%
45	Illinois		118,543	120	670,260	14,145	4,453,634	5,256,702	201,351,872	2.6%
46	Delaware			135,641			2,556	138,197	5,627,645	2.5%
47	Florida		177,474	2,018,868	2,387,416	80,440		4,664,198	229,095,935	2.0%
48	Rhode Island		3,706		136,949		3,124	143,779	7,738,719	1.9%
49	New Jersey		18,119		816,317	21,084	12,653	868,173	65,682,494	1.3%
50	Ohio		429,024	398,810	275,855	12,848	12,576	1,129,113	143,598,337	0.8%
51	Dist. of Columbia								199,858	
	U.S. Total	15,219,213	260,203,069	37,172,160	18,917,207	1,212,182	94,652,246	427,376,077	4,125,059,899	10.4%

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

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

Table 6.2 Total Renewable Net Generation by Source and State, 2009
Megawatthours

Rank (by % Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass			Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable
				Wood & Derived Fuels ¹	Landfill Gas/MSW Biogenic ²	Other Biomass ³					
1	Idaho	75,950	10,434,264	477,948				313,418	11,301,580	13,100,152	86.3%
2	Washington		72,932,704	1,305,162	156,068	10,954		3,572,486	77,977,375	104,470,133	74.6%
3	Oregon		33,033,513	674,381	128,332			3,469,714	37,305,940	56,690,856	65.8%
4	South Dakota		4,432,451					420,981	4,859,207	8,196,531	59.3%
5	Maine		4,211,679	3,366,750	232,254	40,618		298,623	8,149,923	16,349,849	49.8%
6	Montana		9,505,940	94,642				820,924	10,421,506	26,712,735	39.0%
7	Vermont		1,485,825	393,266	24,190			11,589	1,914,871	7,282,348	26.3%
8	California	12,852,783	27,888,036	3,732,016	1,841,859	625,802	647,390	5,839,813	53,427,698	204,776,132	26.1%
9	New York		27,615,106	535,853	1,664,816			2,266,339	32,082,114	133,049,835	24.1%
10	Alaska		1,323,744			6,511		7,027	1,337,283	6,702,159	20.0%
11	Iowa		971,165	194	93,417	74,471		7,420,520	8,559,766	51,860,063	16.5%
12	Minnesota		809,088	796,331	384,238	503,066		5,053,022	7,545,745	52,491,849	14.4%
13	New Hampshire		1,680,492	984,181	151,278			62,477	2,878,428	20,164,122	14.3%
14	Tennessee		10,211,962	862,421	28,891	7,409		51,747	11,162,430	79,716,889	14.0%
15	North Dakota		1,475,251			11,572		2,997,530	4,484,353	34,196,467	13.1%
16	Nevada	1,633,213	2,460,595	890			174,309		4,269,007	37,705,133	11.3%
17	Alabama		12,535,373	3,035,375		14,482			15,585,230	143,255,556	10.9%
18	Colorado		1,885,724	388	17,463	38,701	25,585	3,163,836	5,131,697	50,565,952	10.1%
19	Arkansas		4,192,706	1,528,501	34,371	22,679			5,778,256	57,457,739	10.1%
20	Oklahoma		3,552,573	68,064		163,010			2,698,199	6,481,846	8.6%
21	Hawaii	167,591	112,649		180,067	104,359	1,390	251,427	817,483	11,010,533	7.4%
22	Wyoming		966,572					2,226,205	3,192,777	46,029,212	6.9%
23	Massachusetts		1,201,076	115,384	1,103,995	3,880	43	5,956	2,430,334	38,966,651	6.2%
24	Wisconsin		1,393,988	769,156	489,095	30,079		1,051,965	3,734,284	59,959,060	6.2%
25	Kansas		12,798					2,863,267	2,876,065	46,677,308	6.2%
26	North Carolina		5,171,257	1,757,350	120,191	11,300	4,563		7,064,660	118,407,403	6.0%
27	Arizona		6,427,345	136,641	18,299	3,691	14,145	29,545	6,629,666	111,971,250	5.9%
28	Texas		1,028,657	649,298	398,259	30,816		20,026,103	22,133,134	396,631,891	5.6%
29	Maryland		1,888,769	175,057	375,722				2,439,549	43,774,832	5.6%
30	Virginia		1,478,630	1,708,316	694,807	14,396			3,896,149	70,082,066	5.6%
31	Georgia		3,259,683	2,745,569	50,719	28,881			6,084,853	128,698,376	4.7%
32	New Mexico		270,963			33,664		1,546,718	1,851,345	39,674,339	4.7%
33	South Carolina		2,332,005	1,610,717	137,254				4,079,977	100,125,486	4.1%
34	Connecticut		509,546	622	758,108				1,268,276	31,206,222	4.1%
35	Kentucky		3,317,641	262,660	96,393	4,481			3,681,175	90,630,427	4.1%
36	Louisiana		1,236,351	2,296,773		67,186			3,600,310	90,993,676	4.0%
37	Michigan		1,371,926	1,489,001	828,878	5,133		300,172	3,995,110	101,202,605	3.9%
38	West Virginia		1,645,927	-689		-149		742,439	2,387,529	70,782,514	3.4%
39	Utah	279,121	835,257		47,878			159,537	1,321,793	43,542,946	3.0%
40	Mississippi			1,417,319		6,960			1,424,279	48,701,484	2.9%
41	Pennsylvania		2,682,866	694,242	1,576,577	2,759	3,562	1,074,788	6,034,794	219,496,144	2.7%
42	Missouri		1,816,693	2,090	49,808	23,530		499,377	2,391,498	88,354,272	2.7%
43	Nebraska		433,690		47,449	18,746			882,519	34,001,892	2.6%
44	Delaware			125,611					125,611	4,841,563	2.6%
45	Florida		208,202	1,954,125	1,846,339	530,398	9,470		4,548,534	217,952,308	2.1%
46	Rhode Island		4,736		144,600				149,336	7,696,824	1.9%
47	Indiana		503,470		302,644			1,403,192	2,209,306	116,670,280	1.9%
48	Illinois		136,380	461	709,136	607	16	2,819,532	3,666,132	193,864,357	1.9%
49	New Jersey		32,081		924,671	3,535	10,707	20,918	991,912	61,811,239	1.6%
50	Ohio		527,746	409,685	198,144	11,467		14,114	1,161,156	136,090,225	0.9%
51	Dist. of Columbia									35,499	
	U.S. Total	15,008,658	273,445,094	36,050,138	15,981,824	2,460,771	891,179	73,886,132	417,723,797	3,949,694,193	10.6%

¹Black liquor and wood/woodwaste solids and liquids

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

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

Source: [EIA, Renewable Energy Consumption and Electricity - Preliminary Statistics 2010](#)

Table 6.2 Total Renewable Net Generation by Source and State, 2008
Megawatthours

Rank (by % Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass			Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable
				Wood & Derived Fuels ¹	Landfill Gas/MSW Biogenic ²	Other Biomass ³					
1	Idaho	85,547	9,362,501	455,393				207,472	10,110,913	11,970,553	84.5%
2	Washington		77,636,758	1,113,073	155,960	11,921		3,657,484	82,575,196	110,828,451	74.5%
3	Oregon		33,805,024	717,117	130,747			2,575,234	37,228,123	58,718,438	63.4%
4	Maine		4,457,405	3,668,569	205,608	52,187		131,621	8,515,390	17,094,919	49.8%
5	South Dakota		2,993,107			1,665		145,136	3,139,908	7,082,672	44.3%
6	Montana	111,371	9,999,557	110,958				593,138	10,815,024	29,637,137	36.5%
7	Vermont		1,492,904	415,103				10,235	1,918,242	6,820,216	28.1%
8	California	12,883,000	24,127,810	3,483,555	1,717,046	644,900	670,481	5,384,955	48,911,746	207,984,263	23.5%
9	New York		26,723,131	555,097	1,512,860			1,250,700	30,041,788	140,322,100	21.4%
10	Alaska		1,171,801			4,682		68	1,176,551	6,774,834	17.4%
11	New Hampshire		1,633,224	1,009,640	155,025			10,319	2,808,208	22,876,992	12.3%
12	Minnesota		727,061	725,220	399,003	372,039		4,354,620	6,577,943	54,763,360	12.0%
13	Arkansas		4,660,297	1,466,063	35,751	11,019			6,173,130	55,050,528	11.2%
14	Colorado		2,039,327	135	8,366	36,753	18,354	3,220,843	5,323,778	53,441,594	10.0%
15	Iowa		819,047	49	98,298	68,966		4,083,787	5,070,146	53,086,786	9.6%
16	Nevada	1,382,820	1,750,620				156,013		3,289,453	35,089,974	9.4%
17	North Dakota		1,252,790			12,927		1,693,458	2,959,175	32,734,579	9.0%
18	Oklahoma		3,811,273	23,006	5,443	164,175		2,358,080	6,361,977	76,328,908	8.3%
19	Hawaii	234,333	84,343		184,005	118,418	18	240,023	861,140	11,376,385	7.6%
20	Tennessee		5,646,073	879,293	27,351	8,549		50,117	6,611,383	90,663,312	7.3%
21	Alabama		6,136,148	3,323,616		33,698			9,493,461	145,869,895	6.5%
22	Arizona		7,285,902	75,947	19,050	3,936	14,724		7,399,560	119,459,172	6.2%
23	Massachusetts		1,155,811	122,580	1,127,529	1,517	80	3,672	2,411,189	42,505,478	5.7%
24	Maryland		1,974,078	197,704	414,781				2,586,563	47,360,953	5.5%
25	New Mexico		312,288			18,885		1,642,787	1,973,960	37,009,837	5.3%
26	Wisconsin		1,616,142	775,040	474,159	17,596		487,141	3,370,077	63,479,555	5.3%
27	Virginia		1,010,993	1,916,288	761,307	20,865			3,709,452	72,678,531	5.1%
28	Texas		1,039,467	975,599	400,779	37,694		16,225,022	18,678,562	404,787,771	4.6%
29	Connecticut		556,177	1,633	731,881				1,289,691	30,409,473	4.2%
30	Louisiana		1,064,373	2,638,789		70,886			3,774,048	92,453,141	4.1%
31	North Carolina		3,033,642	1,799,930	101,952	18,530	1,801		4,955,855	125,239,063	4.0%
32	Wyoming		835,275					962,542	1,797,817	46,500,448	3.9%
33	Kansas		10,574					1,759,412	1,769,986	46,630,321	3.8%
34	Georgia		2,144,618	2,660,285	31,427	90,258			4,926,588	136,173,395	3.6%
35	Michigan		1,364,378	1,710,423	738,167	1,370		141,182	3,955,519	114,989,806	3.4%
36	South Carolina		1,123,115	1,696,067	119,759				2,938,940	100,978,005	2.9%
37	Mississippi			1,386,275	-	5,051			1,391,326	48,205,711	2.9%
38	Missouri		2,046,773	1,613	29,899	11,200		203,313	2,292,799	91,028,795	2.5%
39	Kentucky		1,917,470	350,740	105,094	3,786			2,377,089	97,863,340	2.4%
40	Pennsylvania		2,548,858	657,976	1,413,963	2,237	175	729,425	5,352,634	222,350,925	2.4%
41	Rhode Island		4,977	158,407					163,384	7,387,266	2.2%
42	Delaware			163,375					163,375	7,523,839	2.2%
43	Utah	254,277	668,084		23,685		23,900		969,946	46,578,763	2.1%
44	Florida		206,158	1,968,741	1,726,284	607,843			4,509,026	219,636,818	2.1%
45	Nebraska		346,456		44,559	16,370		214,184	621,569	32,373,522	1.9%
46	West Virginia		1,248,037	-390				391,910	1,639,557	91,123,097	1.8%
47	Illinois		138,549	611	697,186	184		2,336,996	3,173,526	199,475,178	1.6%
48	New Jersey		25,773		878,731	3,004	2,669	20,885	931,063	63,674,789	1.5%
49	Indiana		436,780		273,038			238,356	948,173	129,510,294	0.7%
50	Ohio		386,435	418,117	182,666	7,509		15,084	1,009,811	153,412,251	0.7%
51	Dist. of Columbia									72,316	
	U.S. Total	14,951,348	254,831,385	37,299,853	15,253,142	2,480,617	864,315	55,363,100	381,043,759	4,119,387,760	9.3%

¹Black liquor and wood/woodwaste solids and liquids

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

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

Source: [EIA, Renewable Energy Annual, 2008](#)

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

Rank (by % Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass			Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable
				Wood & Derived Fuels ¹	Landfill Gas/MSW Biogenic ²	Other Biomass ³					
1	Idaho		9,021,690	480,582				172,267	9,674,539	11,484,091	84.2%
2	Washington		78,829,195	1,116,380	162,890	13,461		2,437,823	82,559,749	106,990,217	77.2%
3	Oregon		33,587,439	842,565	100,389	38,345		1,246,994	35,815,732	55,077,794	65.0%
4	South Dakota		2,917,283					150,018	3,067,301	6,136,605	50.0%
5	Maine		3,738,168	3,847,566	208,081	52,262		99,071	7,945,148	16,128,567	49.3%
6	Montana		9,364,336	110,945				495,776	9,971,057	28,931,493	34.5%
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%
8	Alaska		1,291,223	22		10,196	8,649	1,012	1,311,102	6,821,392	19.2%
9	New York		25,252,555	492,261	1,441,930	7,416		833,476	28,027,638	145,878,687	19.2%
10	Vermont		646,605	453,038				10,511	1,110,154	5,823,582	19.1%
11	New Hampshire		1,265,229	970,456	152,816				2,388,501	23,277,171	10.3%
12	Nevada	1,252,691	2,003,191				43,967		3,299,849	32,669,736	10.1%
13	Arkansas		3,236,753	1,580,803	33,438	9,503			4,860,497	54,596,236	8.9%
14	Minnesota		653,822	727,455	423,482	142,889		2,638,812	4,586,460	54,477,646	8.4%
15	Iowa		962,346	16	122,715	28,368			3,870,121	49,789,217	7.8%
16	Hawaii	229,886	92,343		169,450	115,827		238,184	845,690	11,533,350	7.3%
17	Oklahoma		3,065,862	276,133	3,721			1,849,144	5,194,860	72,819,095	7.1%
18	Tennessee		4,939,601	868,110	19,228			49,937	5,910,128	95,113,409	6.2%
19	North Dakota		1,305,393					620,772	1,939,672	31,224,105	6.2%
20	Arizona		6,597,671		28,507	4,483			6,630,661	113,340,970	5.9%
21	Colorado		1,729,533				2,208	1,291,516	3,054,362	53,907,492	5.7%
22	Alabama		4,136,114	3,783,882	3,520	13,218			7,936,734	143,826,271	5.5%
23	Virginia		1,248,264	1,792,326	752,928	20,317			3,813,835	78,360,507	4.9%
24	New Mexico		267,978			15,994		1,393,239	1,677,211	35,985,333	4.7%
25	Maryland		1,652,216	203,097	400,364				2,255,677	50,197,924	4.5%
26	Wisconsin		1,516,083	785,079	413,771	21,384		109,283	2,845,600	63,390,630	4.5%
27	Massachusetts		797,482	119,157	1,094,431	26,636			2,037,706	47,075,975	4.3%
28	Louisiana		826,642	2,898,371		81,512			3,806,525	92,578,329	4.1%
29	Georgia		2,236,188	3,362,097	16,221	37,103			5,651,609	145,155,158	3.9%
30	North Carolina		2,984,159	1,585,374	85,745	1,100			4,656,378	130,115,301	3.6%
31	South Carolina		1,555,912	1,895,432	100,602				3,551,946	103,402,142	3.4%
32	Connecticut		363,261	1,676	728,164				1,093,101	33,171,209	3.3%
33	Wyoming		729,424					754,881	1,484,305	45,633,486	3.3%
34	Michigan		1,269,989	1,692,202	721,284	538		2,723	3,686,736	119,309,936	3.1%
35	Mississippi			1,488,348		5,017			1,493,365	50,043,686	3.0%
36	Texas		1,644,437	914,164	322,272	44,793		9,006,383	11,932,049	405,492,296	2.9%
37	Kansas		10,501					1,152,538	1,163,039	50,122,196	2.3%
38	Rhode Island		4,364		154,757				159,121	7,049,844	2.3%
39	Kentucky		1,668,587	370,210	93,440	1,973			2,134,210	97,225,319	2.2%
40	Pennsylvania		2,235,982	619,567	1,440,683	15,928		470,018	4,782,178	226,088,340	2.1%
41	Florida		154,446	1,929,798	1,794,490	578,529			4,457,263	225,416,060	2.0%
42	Nebraska		347,444		46,184	15,075		216,765	625,468	32,442,699	1.9%
43	Utah	163,925	538,782		31,030				733,737	45,372,575	1.6%
44	West Virginia		1,254,397					167,588	1,421,985	93,933,109	1.5%
45	New Jersey		20,909		822,453	713		20,412	864,487	62,671,245	1.4%
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%
48	Delaware				48,116				48,116	8,534,163	0.6%
49	Ohio		410,436	399,378	10,972	10,045		14,748	845,579	155,155,545	0.5%
50	Indiana		449,936		231,247				681,183	130,637,999	0.5%
51	Dist. of Columbia									75,251	
	U.S. Total	14,637,213	247,509,974	39,014,024	14,461,588	2,062,966	611,793	34,449,927	352,747,485	4,156,744,724	8.5%

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

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

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

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

Rank (by % Renewable)	State	Geothermal	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable
				Wood & Derived Fuels ¹	Other Biomass ²					
1	Idaho		11,242,372	520,340			169,617	11,932,329	13,386,085	89.1%
2	Washington		82,007,629	1,281,189	184,014		1,037,651	84,510,483	108,203,155	78.1%
3	Oregon		37,850,297	798,793	98,977		931,219	39,679,286	53,340,695	74.4%
4	South Dakota		3,396,833				148,965	3,545,798	7,132,243	49.7%
5	Maine		4,278,132	3,684,618	283,033			8,245,783	16,816,173	49.0%
6	Montana		10,130,161	94,415			435,970	10,660,546	28,243,536	37.7%
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%
8	Vermont		1,518,665	439,222			10,688	1,968,575	7,084,344	27.8%
9	New York		27,344,655	521,829	1,419,441		655,371	29,941,296	142,265,432	21.0%
10	Alaska		1,223,607	516	6,149		788	1,231,060	6,674,197	18.4%
11	Nevada	1,343,711	2,057,626					3,401,337	31,860,022	10.7%
12	New Hampshire		1,528,910	589,981	156,399			2,275,290	22,063,695	10.3%
13	Tennessee		7,748,650	697,819	58,182		54,598	8,559,249	93,911,102	9.1%
14	Alabama		7,251,786	3,865,010	19,452			11,136,248	140,895,441	7.9%
15	Iowa		909,348		136,896		2,317,821	3,364,065	45,483,462	7.4%
16	Minnesota		571,730	589,670	414,266		2,054,947	3,630,613	53,237,789	6.8%
17	Arizona		6,792,904	8,240		13,134		6,846,471	104,392,528	6.6%
18	Hawaii	212,276	120,087		325,692		79,674	737,729	11,559,174	6.4%
19	Arkansas		1,550,558	1,689,379	33,426			3,273,363	52,168,703	6.3%
20	North Dakota		1,521,034		3,544		369,485	1,894,063	30,881,137	6.1%
21	Massachusetts		1,512,645	125,258	1,153,571			2,791,474	45,597,775	6.1%
22	Maryland		2,104,275	218,066	408,095			2,730,436	48,956,880	5.6%
23	Colorado		1,791,207		30,692		865,536	2,687,435	50,698,353	5.3%
24	Virginia		1,351,194	1,780,043	678,408			3,809,645	73,069,537	5.2%
25	Wisconsin		1,678,598	773,863	390,384		101,376	2,944,221	61,639,843	4.8%
26	North Carolina		3,839,012	1,736,565	91,740			5,667,317	125,214,784	4.5%
27	Georgia		2,568,837	3,362,210	56,708			5,987,755	138,010,208	4.3%
28	Louisiana		713,215	2,880,930	81,432			3,675,577	90,921,829	4.0%
29	New Mexico		198,211		21,885		1,255,436	1,475,532	37,265,625	4.0%
30	Nebraska		893,386		52,014		261,247	1,206,647	31,669,969	3.8%
31	Connecticut		543,892	8,544	754,776			1,307,212	34,681,736	3.8%
32	South Carolina		1,806,948	1,804,384	106,053			3,717,385	99,267,606	3.7%
33	Oklahoma		623,579	297,283			1,712,441	2,633,303	70,614,880	3.7%
34	Wyoming		843,316				759,061	1,602,377	45,400,370	3.5%
35	Michigan		1,520,353	1,703,524	736,823		2,212	3,962,912	112,556,738	3.5%
36	Mississippi			1,534,602	6,480			1,541,082	46,228,847	3.3%
37	Kentucky		2,591,701	369,361	89,437			3,050,499	98,792,014	3.1%
38	Rhode Island		5,909		148,913			154,822	5,967,725	2.6%
39	Pennsylvania		2,844,142	683,130	1,428,708		361,108	5,317,088	218,811,595	2.4%
40	Utah	190,608	746,783		14,868			952,259	41,263,324	2.3%
41	Kansas		9,649				991,890	1,001,539	45,523,736	2.2%
42	Texas		661,971	892,044	255,701		6,670,515	8,480,231	400,582,878	2.1%
43	Florida		203,422	1,978,988	2,351,701			4,534,111	223,751,621	2.0%
44	West Virginia		1,572,433		296		173,757	1,746,486	93,815,804	1.9%
45	New Jersey		35,436		900,792		15,991	952,219	60,700,139	1.6%
46	Ohio		631,936	410,093	34,121		14,401	1,090,551	155,434,075	0.7%
47	Indiana		489,515		220,212			709,727	130,489,788	0.5%
48	Illinois		173,272		594,261		254,571	1,022,104	192,426,958	0.5%
49	Missouri		199,214		23,875			223,089	91,686,343	0.2%
50	Delaware				417			417	7,182,179	0.0%
51	Dist. of Columbia								81,467	
	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%

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Rank (by % Renewable)	State	Geothermal ¹	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable
				Wood & Derived Fuels ²	Other Biomass ³					
1	Idaho		7,223,127	533,333	678,566			8,435,026	9,346,940	90.2%
2	Washington		54,733,892	1,065,093	156,238			55,955,223	83,048,665	67.4%
3	Oregon		28,644,556	701,120			88,587	29,434,263	45,051,910	65.3%
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%
6	Montana		6,613,472	65,425				6,678,897	24,232,483	27.6%
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%
8	Vermont		884,211	370,408			12,133	1,266,752	5,480,612	23.1%
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%
11	New Hampshire		990,581	858,769	166,854			2,016,204	15,074,629	13.4%
12	Nevada	1,199,874	2,513,722					3,713,596	33,875,970	11.0%
13	Alabama		8,356,382	4,172,256	17,109			12,545,747	125,345,122	10.0%
14	Arkansas		2,548,251	1,504,696	7,302			4,060,249	47,192,036	8.6%
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%
17	Minnesota		831,622	574,709	505,380		897,017	2,808,728	48,523,228	5.8%
17	Hawaii	206,592	100,750		287,705		2,125	597,172	10,633,095	5.6%
19	Wisconsin		2,056,245	705,354	324,573		72,284	3,158,456	58,763,433	5.4%
20	Massachusetts		702,504	129,768	1,183,021			2,015,293	38,478,433	5.2%
21	Oklahoma		2,344,690	230,696	49,823			2,625,209	55,249,448	4.8%
22	Georgia		2,596,425	2,974,339	28,419			5,599,183	118,316,772	4.7%
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%
26	Louisiana		732,217	2,640,656	63,635			3,436,508	87,894,382	3.9%
27	Nebraska		1,124,122		16,663	2,630		1,143,415	30,485,214	3.8%
28	Virginia		1,014,222	1,148,106	598,967			2,761,295	74,104,744	3.7%
29	North Carolina		2,595,708	1,642,330	108,959			4,346,997	117,495,853	3.7%
29	Iowa		845,153		103,749		487,864	1,436,766	40,658,513	3.5%
31	Michigan		1,561,918	1,700,261	661,120		280	3,923,579	111,845,612	3.5%
31	Colorado		1,494,704		64,204		48,640	1,607,548	46,876,013	3.4%
33	Maryland		1,183,518	11,939	361,079			1,556,536	49,062,340	3.2%
34	Wyoming		879,111				365,162	1,244,273	44,776,941	2.8%
35	Mississippi			1,432,117				1,432,117	53,446,452	2.7%
35	South Carolina		1,225,443	866,107	28,045			2,119,595	89,158,988	2.4%
37	Florida		147,718	1,828,239	1,961,520			3,937,477	190,945,341	2.1%
38	Utah	185,989	508,407		5,496			699,892	35,886,998	2.0%
38	Pennsylvania		1,650,004	596,736	1,288,282		11,174	3,546,196	196,576,594	1.8%
40	New Jersey		18,001		843,637			861,638	59,421,254	1.5%
41	Rhode Island		3,143		103,616			106,759	7,501,894	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%
45	New Mexico		237,320		18,652			255,972	33,611,642	0.8%
46	Ohio		510,785	403,072	27,888			941,745	142,261,810	0.7%
47	Indiana		570,692					570,692	122,569,679	0.5%
48	Kansas		25,561				39,832	65,393	44,748,522	0.1%
49	Illinois		144,029		114,579			258,608	179,249,272	0.1%
50	Delaware								6,807,686	
50	Dist. of Columbia								123,239	
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%

¹EIA 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.

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

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

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

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

Rank (by Percent Renewable)	State	Geothermal ¹	Conventional Hydroelectric	Biomass		Solar	Wind	Total Renewable Generation	Total State Generation	Percent Renewable
				Wood & Derived Fuels ²	Other Biomass ³					
1	Idaho		10,966,695	483,258				11,449,953	11,910,442	96.1%
2	Washington		80,262,889	1,240,897	250,666			81,754,452	108,236,877	75.5%
3	Oregon		38,115,630	541,357	95,300		66,699	38,818,986	51,789,974	75.0%
4	South Dakota		5,715,508					5,715,508	9,697,337	58.9%
5	Maine		3,590,816	3,240,998	580,869			7,412,683	14,047,948	52.8%
6	Montana		9,623,257	46,923				9,670,180	26,451,826	36.6%
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%
8	Vermont		1,221,090	347,523			12,249	1,580,862	6,303,014	25.1%
9	New York		24,909,572	640,325	2,231,612		10,345	27,791,854	138,079,074	20.1%
10	New Hampshire		1,427,213	862,388	244,270			2,533,871	15,031,497	16.9%
11	Alaska		1,001,819					1,001,819	6,156,525	16.3%
12	Nevada	1,370,791	2,429,468					3,800,259	35,484,916	10.7%
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%
15	Hawaii	262,053	103,459		538,349		17,003	920,864	10,593,405	8.7%
16	Massachusetts		1,065,159	122,106	2,074,711			3,261,976	38,697,880	8.4%
17	Connecticut		526,312		2,153,134			2,679,446	32,967,568	8.1%
18	Alabama		5,817,631	4,047,153	29,013			9,893,797	124,405,343	8.0%
19	Tennessee		6,396,209	760,844	38,805			7,195,858	95,838,583	7.5%
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%
22	Wisconsin		1,985,634	840,890	310,033		2,728	3,139,285	59,644,419	5.3%
23	Nebraska		1,500,724		16,514			1,517,238	29,109,864	5.2%
24	Maryland		1,732,619	179,580	638,830			2,551,029	51,145,380	5.0%
25	Georgia		2,480,796	3,015,459	89,339			5,585,594	123,877,412	4.5%
25	Mississippi			1,680,086	218			1,680,304	37,614,562	4.5%
27	Oklahoma		2,276,933	145,756	2,431			2,425,120	55,571,957	4.4%
28	Michigan		1,427,679	1,790,809	1,098,786			4,317,274	104,209,596	4.1%
29	North Carolina		3,137,815	1,664,192	109,376			4,911,383	122,274,356	4.0%
30	Virginia		711,984	1,677,170	466,930			2,856,084	77,189,371	3.7%
31	Louisiana		532,290	2,697,569	94,883			3,324,742	92,865,635	3.6%
31	Iowa		904,010		88,562		493,820	1,486,392	41,542,011	3.6%
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%
35	Florida		86,769	2,059,033	3,631,312			5,777,114	191,815,839	3.0%
36	Wyoming		1,011,035				245,911	1,256,946	45,494,281	2.8%
37	Utah	186,461	746,125		9,110			941,696	36,639,176	2.6%
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%
40	New Jersey		14,036		1,364,314			1,378,350	58,085,216	2.4%
41	Rhode Island		4,867		115,239			120,106	5,971,544	2.0%
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%
44	Ohio		583,048	620,542	26,849			1,230,439	149,060,281	0.8%
45	Texas		828,963	1,152,246	126,173	41	492,146	2,599,569	377,742,363	0.7%
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%
47	Indiana		588,276		129,883			718,159	127,819,518	0.6%
49	Delaware				18,838			18,838	5,987,452	0.3%
50	Kansas		15,332					15,332	44,815,905	0.0%
51	Dist. of Columbia								144,374	
Totals		14,127,776	275,572,597	37,594,866	23,131,314	493,375	5,593,261	356,513,189	3,802,135,145	9.4%

¹EIA 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.

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

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

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