

Table 6.2a **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	Montana		9,887,729	21,281			1,964,726	11,873,736	29,302,401	40.5%
8	Iowa		960,145	1,995	256,148		17,872,632	19,090,920	56,658,918	33.7%
9	New Hampshire	3,110,504	1,270,222	1,505,681	118,650		423,496	6,428,553	20,015,893	32.1%
10	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%
11	Alaska		1,568,929		54,892		159,694	1,783,515	6,284,937	28.4%
12	Kansas		18,963		61,937	1,806	10,998,501	11,081,207	45,527,124	24.3%
13	New York		26,014,520	616,274	1,624,771	100,526	3,976,980	32,333,071	138,627,721	23.3%
14	North Dakota		2,094,168		3,594		6,505,704	8,603,466	37,156,612	23.2%
15	Oklahoma		2,663,901	244,967	91,201	1,556	14,030,897	17,032,522	76,135,596	22.4%
16	Minnesota		849,054	1,177,196	628,826	2,789	9,778,845	12,436,710	56,979,768	21.8%
17	Colorado		1,620,161	832	79,724	251,371	7,475,279	9,427,367	52,393,077	18.0%
18	Tennessee		9,581,240	922,055	81,768	76,147	45,841	10,707,051	75,214,636	14.2%
19	Hawaii	230,340	121,170		320,941	54,397	612,772	1,339,620	10,119,500	13.2%
20	Nebraska		1,684,980		70,953		3,180,463	4,936,396	39,883,391	12.4%
21	Nevada		2,264,136	4,256,960	25,695	1,657,405	309,724	5,264,960	39,046,784	10.9%
22	Texas		956,410	656,580	783,645	400,759	44,833,365	47,630,759	449,826,336	10.6%
23	Wyoming		868,261				3,756,708	4,624,969	48,966,519	9.4%
24	Arizona		6,535,722	176,984	49,644	3,456,608	452,035	10,670,993	113,142,048	9.4%
25	Arkansas		3,569,195	1,351,667	89,290	927		5,011,079	55,559,428	9.0%
26	New Mexico	9,675	99,473		19,573	614,877	2,090,021	2,833,619	32,701,398	8.7%
27	Alabama		9,861,804	3,245,654	43,630			13,151,088	152,477,427	8.6%
28	Wisconsin		2,340,681	999,861	571,059	1,417	1,589,381	5,502,399	66,360,183	8.3%
29	Massachusetts		827,184	119,769	1,047,103	451,366	214,666	2,660,888	32,085,969	8.3%
30	Michigan		1,499,223	1,446,608	1,038,263	1,190	4,796,898	8,782,182	113,008,050	7.8%
31	Maryland		1,623,190	111,162	403,239	118,801	434,595	2,690,987	36,365,544	7.4%
32	North Carolina		4,742,004	2,045,348	544,024	1,373,579		8,704,955	128,388,445	6.8%
33	Virginia		1,158,428	3,041,126	1,103,032			5,302,586	84,411,592	6.3%
34	Georgia		2,983,563	4,392,768	340,800	129,452		7,846,583	128,817,898	6.1%
35	Illinois		124,460	36	526,821	49,360	10,747,270	11,447,947	193,952,040	5.9%
36	Indiana		381,236		446,408	156,098	4,515,147	5,498,889	104,019,275	5.3%
37	South Carolina		2,564,360	2,102,993	186,386	4,220		4,857,959	96,532,213	5.0%
38	Utah	429,517	768,773		85,131	31,859	625,917	1,941,197	41,949,120	4.6%
39	Kentucky		3,403,481	348,827	92,299			3,844,607	83,543,671	4.6%
40	Pennsylvania		2,603,704	469,842	1,934,118	63,894	3,352,672	8,424,230	214,572,291	3.9%
41	West Virginia		1,385,043		4,980		1,376,232	2,766,255	72,295,269	3.8%
42	Rhode Island		3,148		211,238	14,351	10,067	238,804	6,939,019	3.4%
43	Louisiana		999,036	2,608,468	96,275			3,703,779	107,812,354	3.4%
44	Missouri		1,595,020	29,061	99,841	16,898	1,033,076	2,773,896	83,640,067	3.3%
45	Connecticut		302,467	189,754	597,714	17,439		1,107,374	37,470,622	3.0%
46	Mississippi			1,493,078	13,454			1,506,532	64,757,864	2.3%
47	Florida		244,294	2,417,636	2,501,859	223,933		5,387,722	237,412,633	2.3%
48	New Jersey		9,541		945,693	627,890	21,539	1,604,663	74,608,860	2.2%
49	Ohio		456,669	325,902	472,855	56,072	1,203,008	2,514,506	121,893,401	2.1%
50	Delaware				76,298	48,512	5,126	129,936	7,810,006	1.7%
51	Dist. of Columbia				30,999				53,750	
	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

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

Table 6.2b **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 6.2c **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

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Table 6.2d Total Renewable Net Generation by Source and State, 2012
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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 6.2e 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	1,988,074	141,094		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 6.2f 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	1,766,476	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 6.2g 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
				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
2	Washington		72,932,704	1,305,162	156,068	10,954		3,572,486	77,977,375	104,470,133
3	Oregon		33,033,513	674,381	128,332			3,469,714	37,305,940	56,690,856
4	South Dakota		4,432,451			5,775		420,981	4,859,207	8,196,531
5	Maine		4,211,679	3,366,750	232,254	40,618		298,623	8,149,923	16,349,849
6	Montana		9,505,940	94,642				820,924	10,421,506	26,712,735
7	Vermont		1,485,825	393,266	24,190			11,589	1,914,871	7,282,348
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
9	New York		27,615,106	535,853	1,664,816			2,266,339	32,082,114	133,049,835
10	Alaska		1,323,744			6,511		7,027	1,337,283	6,702,159
11	Iowa		971,165	194	93,417	74,471		7,420,520	8,559,766	51,860,063
12	Minnesota		809,088	796,331	384,238	503,066		5,053,022	7,545,745	52,491,849
13	New Hampshire		1,680,492	984,181	151,278			62,477	2,878,428	20,164,122
14	Tennessee		10,211,962	862,421	28,891	7,409		51,747	11,162,430	79,716,889
15	North Dakota		1,475,251			11,572		2,997,530	4,484,353	34,196,467
16	Nevada	1,633,213	2,460,595	890			174,309		4,269,007	37,705,133
17	Alabama		12,535,373	3,035,375		14,482			15,585,230	143,255,556
18	Colorado		1,885,724	388	17,463	38,701	25,585	3,163,836	5,131,697	50,565,952
19	Arkansas		4,192,706	1,528,501	34,371	22,679			5,778,256	57,457,739
20	Oklahoma		3,552,573	68,064		163,010		2,698,199	6,481,846	75,066,809
21	Hawaii	167,591	112,649		180,067	104,359	1,390	251,427	817,483	11,010,533
22	Wyoming		966,572					2,226,205	3,192,777	46,029,212
23	Massachusetts		1,201,076	115,384	1,103,995	3,880	43	5,956	2,430,334	38,966,651
24	Wisconsin		1,393,988	769,156	489,095	30,079		1,051,965	3,734,284	59,959,060
25	Kansas		12,798					2,863,267	2,876,065	46,677,308
26	North Carolina		5,171,257	1,757,350	120,191	11,300	4,563		7,064,660	118,407,403
27	Arizona		6,427,345	136,641	18,299	3,691	14,145	29,545	6,629,666	111,971,250
28	Texas		1,028,657	649,298	398,259	30,816		20,026,103	22,133,134	396,631,891
29	Maryland		1,888,769	175,057	375,722				2,439,549	43,774,832
30	Virginia		1,478,630	1,708,316	694,807	14,396			3,896,149	70,082,066
31	Georgia		3,259,683	2,745,569	50,719	28,881			6,084,853	128,698,376
32	New Mexico		270,963			33,664		1,546,718	1,851,345	39,674,339
33	South Carolina		2,332,005	1,610,717	137,254				4,079,977	100,125,486
34	Connecticut		509,546	622	758,108				1,268,276	31,206,222
35	Kentucky		3,317,641	262,660	96,393	4,481			3,681,175	90,630,427
36	Louisiana		1,236,351	2,296,773		67,186			3,600,310	90,993,676
37	Michigan		1,371,926	1,489,001	828,878	5,133		300,172	3,995,110	101,202,605
38	West Virginia		1,645,927	-689		-149		742,439	2,387,529	70,782,514
39	Utah	279,121	835,257		47,878			159,537	1,321,793	43,542,946
40	Mississippi			1,417,319		6,960			1,424,279	48,701,484
41	Pennsylvania		2,682,866	694,242	1,576,577	2,759	3,562	1,074,788	6,034,794	219,496,144
42	Missouri		1,816,693	2,090	49,808	23,530		499,377	2,391,498	88,354,272
43	Nebraska		433,690		47,449	18,746		382,634	882,519	34,001,892
44	Delaware			125,611					125,611	4,841,563
45	Florida		208,202	1,954,125	1,846,339	530,398	9,470		4,548,534	217,952,308
46	Rhode Island		4,736		144,600				149,336	7,696,824
47	Indiana		503,470		302,644			1,403,192	2,209,306	116,670,280
48	Illinois		136,380	461	709,136	607	16	2,819,532	3,666,132	193,864,357
49	New Jersey		32,081		924,671	3,535	10,707	20,918	991,912	61,811,239
50	Ohio		527,746	409,685	198,144	11,467		14,114	1,161,156	136,090,225
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

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 6.2h 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
				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	
2	Washington		77,636,758	1,113,073	155,960	11,921	3,657,484	82,575,196	110,828,451	
3	Oregon		33,805,024	717,117	130,747		2,575,234	37,228,123	58,718,438	
4	Maine		4,457,405	3,668,569	205,608	52,187	131,621	8,515,390	17,094,919	
5	South Dakota		2,993,107			1,665	145,136	3,139,908	7,082,672	
6	Montana	111,371	9,999,557	110,958			593,138	10,815,024	29,637,137	
7	Vermont		1,492,904	415,103			10,235	1,918,242	6,820,216	
8	California	12,883,000	24,127,810	3,483,555	1,717,046	644,900	670,481	5,384,955	48,911,746	
9	New York		26,723,131	555,097	1,512,860			1,250,700	30,041,788	
10	Alaska		1,171,801			4,682		68	1,176,551	
11	New Hampshire		1,633,224	1,009,640	155,025			10,319	2,808,208	
12	Minnesota		727,061	725,220	399,003	372,039		4,354,620	6,577,943	
13	Arkansas		4,660,297	1,466,063	35,751	11,019			6,173,130	
14	Colorado		2,039,327	135	8,366	36,753	18,354	3,220,843	5,323,778	
15	Iowa		819,047	49	98,298	68,966		4,083,787	5,070,146	
16	Nevada	1,382,820	1,750,620				156,013		3,289,453	
17	North Dakota		1,252,790			12,927		1,693,458	2,959,175	
18	Oklahoma		3,811,273	23,006	5,443	164,175		2,358,080	6,361,977	
19	Hawaii	234,333	84,343		184,005	118,418	18	240,023	861,140	
20	Tennessee		5,646,073	879,293	27,351	8,549		50,117	6,611,383	
21	Alabama		6,136,148	3,323,616		33,698			9,493,461	
22	Arizona		7,285,902	75,947	19,050	3,936	14,724		7,399,560	
23	Massachusetts		1,155,811	122,580	1,127,529	1,517	80	3,672	2,411,189	
24	Maryland		1,974,078	197,704	414,781				2,586,563	
25	New Mexico		312,288			18,885		1,642,787	1,973,960	
26	Wisconsin		1,616,142	775,040	474,159	17,596		487,141	3,370,077	
27	Virginia		1,010,993	1,916,288	761,307	20,865			3,709,452	
28	Texas		1,039,467	975,599	400,779	37,694		16,225,022	18,678,562	
29	Connecticut		556,177	1,633	731,881				1,289,691	
30	Louisiana		1,064,373	2,638,789		70,886			3,774,048	
31	North Carolina		3,033,642	1,799,930	101,952	18,530	1,801		4,955,855	
32	Wyoming		835,275					962,542	1,797,817	
33	Kansas		10,574					1,759,412	1,769,986	
34	Georgia		2,144,618	2,660,285	31,427	90,258			4,926,588	
35	Michigan		1,364,378	1,710,423	738,167	1,370		141,182	3,955,519	
36	South Carolina		1,123,115	1,696,067	119,759				2,938,940	
37	Mississippi			1,386,275	-	5,051			1,391,326	
38	Missouri		2,046,773	1,613	29,899	11,200		203,313	2,292,799	
39	Kentucky		1,917,470	350,740	105,094	3,786			2,377,089	
40	Pennsylvania		2,548,858	657,976	1,413,963	2,237	175	729,425	5,352,634	
41	Rhode Island		4,977		158,407				163,384	
42	Delaware				163,375				163,375	
43	Utah	254,277	668,084		23,685		23,900	969,946	46,578,763	
44	Florida		206,158	1,968,741	1,726,284	607,843		4,509,026	219,636,818	
45	Nebraska		346,456		44,559	16,370		214,184	621,569	
46	West Virginia		1,248,037	-390				391,910	1,639,557	
47	Illinois		138,549	611	697,186	184		2,336,996	3,173,526	
48	New Jersey		25,773		878,731	3,004	2,669	20,885	931,063	
49	Indiana		436,780		273,038			238,356	948,173	
50	Ohio		386,435	418,117	182,666	7,509		15,084	1,009,811	
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	

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 6.2i 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
				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	
2	Washington		78,829,195	1,116,380	162,890	13,461	2,437,823	82,559,749	106,990,217	
3	Oregon		33,587,439	842,565	100,389	38,345	1,246,994	35,815,732	55,077,794	
4	South Dakota		2,917,283				150,018	3,067,301	6,136,605	
5	Maine		3,738,168	3,847,566	208,081	52,262	99,071	7,945,148	16,128,567	
6	Montana		9,364,336	110,945			495,776	9,971,057	28,931,493	
7	California	12,990,711	27,327,751	3,407,416	1,657,098	648,130	556,969	5,584,933	52,173,008	
8	Alaska		1,291,223	22		10,196	8,649	1,012	1,311,102	6,821,392
9	New York		25,252,555	492,261	1,441,930	7,416		833,476	28,027,638	145,878,687
10	Vermont		646,605	453,038				10,511	1,110,154	5,823,582
11	New Hampshire		1,265,229	970,456	152,816				2,388,501	23,277,171
12	Nevada	1,252,691	2,003,191				43,967		3,299,849	32,669,736
13	Arkansas		3,236,753	1,580,803	33,438	9,503			4,860,497	54,596,236
14	Minnesota		653,822	727,455	423,482	142,889	2,638,812	4,586,460	54,477,646	
15	Iowa		962,346	16	122,715	28,368	2,756,676	3,870,121	49,789,217	
16	Hawaii	229,886	92,343		169,450	115,827		238,184	845,690	11,533,350
17	Oklahoma		3,065,862	276,133	3,721		1,849,144	5,194,860	72,819,095	
18	Tennessee		4,939,601	868,110	19,228	33,252	49,937	5,910,128	95,113,409	
19	North Dakota		1,305,393			13,507	620,772	1,939,672	31,224,105	
20	Arizona		6,597,671		28,507	4,483		6,630,661	113,340,970	
21	Colorado		1,729,533			31,105	2,208	1,291,516	3,054,362	53,907,492
22	Alabama		4,136,114	3,783,882	3,520	13,218		7,936,734	143,826,271	
23	Virginia		1,248,264	1,792,326	752,928	20,317		3,813,835	78,360,507	
24	New Mexico		267,978			15,994	1,393,239	1,677,211	35,985,333	
25	Maryland		1,652,216	203,097	400,364			2,255,677	50,197,924	
26	Wisconsin		1,516,083	785,079	413,771	21,384	109,283	2,845,600	63,390,630	
27	Massachusetts		797,482	119,157	1,094,431	26,636		2,037,706	47,075,975	
28	Louisiana		826,642	2,898,371		81,512		3,806,525	92,578,329	
29	Georgia		2,236,188	3,362,097	16,221	37,103		5,651,609	145,155,158	
30	North Carolina		2,984,159	1,585,374	85,745	1,100		4,656,378	130,115,301	
31	South Carolina		1,555,912	1,895,432	100,602			3,551,946	103,402,142	
32	Connecticut		363,261	1,676	728,164			1,093,101	33,171,209	
33	Wyoming		729,424				754,881	1,484,305	45,633,486	
34	Michigan		1,269,989	1,692,202	721,284	538	2,723	3,686,736	119,309,936	
35	Mississippi			1,488,348		5,017		1,493,365	50,043,686	
36	Texas		1,644,437	914,164	322,272	44,793	9,006,383	11,932,049	405,492,296	
37	Kansas		10,501				1,152,538	1,163,039	50,122,196	
38	Rhode Island		4,364		154,757			159,121	7,049,844	
39	Kentucky		1,668,587	370,210	93,440	1,973		2,134,210	97,225,319	
40	Pennsylvania		2,235,982	619,567	1,440,683	15,928	470,018	4,782,178	226,088,340	
41	Florida		154,446	1,929,798	1,794,490	578,529		4,457,263	225,416,060	
42	Nebraska		347,444		46,184	15,075	216,765	625,468	32,442,699	
43	Utah	163,925	538,782		31,030			733,737	45,372,575	
44	West Virginia		1,254,397				167,588	1,421,985	93,933,109	
45	New Jersey		20,909		822,453	713	20,412	864,487	62,671,245	
46	Missouri		1,204,326	120	21,944	7,245		1,233,635	91,153,081	
47	Illinois		153,727		603,225	17,100	664,427	1,438,479	200,260,681	
48	Delaware				48,116			48,116	8,534,163	
49	Ohio		410,436	399,378	10,972	10,045	14,748	845,579	155,155,545	
50	Indiana		449,936		231,247			681,183	130,637,999	
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

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 6.2j 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 6.2k **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	589	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 6.21 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			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 6.2m 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	10,476,371	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			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 6.2n 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 6.2o **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 6.2p 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](#)