

Table 6.3 U.S. Electricity Net Generation from Renewable Energy by Energy Use Sector and Energy Source, 2002-2008

Megawatthours

Sector/Source	2002	2003	2004	2005	2006	2007	2008*
Total	343,438,005	355,293,117	351,484,632	357,650,653	385,771,908	352,747,486	371,688,391
Biomass	53,708,752	53,341,090	53,537,453	54,276,810	54,860,621	55,538,578	55,875,118
Waste	15,043,713	15,811,993	15,420,570	15,420,393	16,098,525	16,524,554	17,086,267
Landfill Gas	4,759,765	5,077,451	5,128,425	5,142,111	5,677,040	6,157,750	6,590,366
MSW Biogenic ¹	8,637,916	8,306,065	8,150,974	8,330,471	8,477,571	8,303,838	8,459,538
Other Biomass ²	1,646,032	2,428,477	2,141,171	1,947,810	1,943,913	2,062,966	2,036,363
Wood and Derived Fuels ³	38,665,040	37,529,097	38,116,883	38,856,417	38,762,096	39,014,024	38,788,851
Geothermal	14,491,310	14,424,231	14,810,975	14,691,745	14,568,029	14,637,213	14,859,238
Conventional Hydroelectric	264,328,833	275,806,328	268,417,308	270,321,255	289,246,416	247,509,974	248,085,084
Solar	554,831	534,001	575,155	550,294	507,706	611,793	843,054
Wind	10,354,279	11,187,467	14,143,741	17,810,549	26,589,137	34,449,927	52,025,898
Commercial	1,078,017	1,374,208	1,680,155	1,758,789	1,712,691	1,691,439	1,715,913
Biomass	1,065,220	1,301,964	1,575,188	1,672,752	1,619,245	1,614,160	1,640,533
Waste	1,052,715	1,288,914	1,561,794	1,656,755	1,598,646	1,598,799	1,616,040
Landfill Gas	99,761	151,801	172,029	217,632	172,590	202,547	231,583
MSW Biogenic ¹	653,997	716,921	945,344	953,093	955,910	962,496	964,155
Other Biomass ²	298,956	420,192	444,421	486,031	470,146	433,756	420,303
Wood and Derived Fuels ³	12,505	13,049	13,394	15,997	20,599	15,361	24,493
Conventional Hydroelectric	12,797	72,245	104,967	86,037	93,446	77,279	75,380
Industrial	34,313,833	32,926,240	32,412,566	32,198,528	31,871,511	30,508,807	30,370,006
Biomass	30,489,185	28,703,816	29,164,073	29,003,087	28,972,463	28,918,826	28,460,443
Waste	845,978	715,445	796,988	732,553	572,447	631,452	597,960
Landfill Gas	70,882	96,018	120,018	113,155	28,786	27,087	21,265
MSW Biogenic ¹	73,543	35,997	30,213	34,441	34,541	39,782	13,357
Other Biomass ²	701,553	583,431	646,757	584,957	509,120	564,583	563,338
Wood and Derived Fuels ³	29,643,207	27,988,371	28,367,085	28,270,534	28,400,016	28,287,374	27,862,484
Conventional Hydroelectric	3,824,648	4,222,424	3,248,493	3,195,441	2,899,048	1,589,981	1,909,563
Electric Power⁴	308,046,156	320,992,669	317,391,910	323,693,336	352,187,707	320,547,239	339,602,472
Biomass	22,154,348	23,335,310	22,798,191	23,600,971	24,268,913	25,005,592	25,774,142
Waste	13,145,020	13,807,633	13,061,787	13,031,084	13,927,432	14,294,304	14,872,266
Landfill Gas	4,589,122	4,829,632	4,836,377	4,811,325	5,475,664	5,928,117	6,337,518
MSW Biogenic ¹	7,910,375	7,553,146	7,175,417	7,342,938	7,487,120	7,301,560	7,482,026
Other Biomass ²	645,523	1,424,854	1,049,993	876,822	964,648	1,064,627	1,052,722
Wood and Derived Fuels ³	9,009,328	9,527,677	9,736,404	10,569,886	10,341,481	10,711,288	10,901,875
Geothermal	14,491,310	14,424,231	14,810,975	14,691,745	14,568,029	14,637,213	14,859,238
Conventional Hydroelectric	260,491,388	271,511,659	265,063,848	267,039,777	286,253,922	245,842,714	246,100,141
Solar	554,831	534,001	575,155	550,294	507,706	611,793	843,054
Wind	10,354,279	11,187,467	14,143,741	17,810,549	26,589,137	34,449,927	52,025,898

*Preliminary

¹Includes paper and paper board, wood, food, leather, textiles, and yard trimmings

²Agriculture byproducts/crops, sludge waste, and other biomass, liquids, and gases

³Black liquor, and wood/woodwaste solids and liquids

⁴Includes electric utilities and independent power producers and combined-heat-power plants whose primary business is to sell electricity to the public

Note: Revisions to biomass removed MSW non-biogenic and tires from renewable waste energy

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