

Table 8. Electricity net generation from renewable energy by energy-use sector and energy source, 2006 - 2010

(thousand kilowatthours)

Sector/Source	2006	2007	2008	2009	2010
Total	385,771,908	352,747,486	380,932,388	417,723,797	427,376,076
Biomass	54,860,621	55,538,578	55,033,612	54,492,734	56,089,366
Waste	16,098,525	16,524,554	17,733,759	18,442,596	18,917,207
Landfill Gas	5,677,040	6,157,750	7,156,340	7,924,211	8,376,703
MSW Biogenic ¹	8,477,571	8,303,838	8,096,801	8,057,613	7,927,213
Other Biomass ²	1,943,913	2,062,966	2,480,617	2,460,771	2,613,291
Wood and Derived Fuels ³	38,762,096	39,014,024	37,299,853	36,050,138	37,172,160
Geothermal	14,568,029	14,637,213	14,839,977	15,008,658	15,219,213
Hydroelectric Conventional	289,246,416	247,509,974	254,831,385	273,445,094	260,203,069
Solar Thermal/PV	507,706	611,793	864,315	891,179	1,212,182
Wind	26,589,137	34,449,927	55,363,100	73,886,132	94,652,246
Commercial	1,712,691	1,691,439	1,614,986	1,839,466	1,794,278
Biomass	1,619,245	1,614,160	1,554,948	1,768,350	1,692,980
Waste	1,598,646	1,598,799	1,533,645	1,748,284	1,672,270
Landfill Gas	172,590	202,547	233,636	317,508	255,749
MSW Biogenic ¹	955,910	962,496	910,908	1,044,576	1,030,969
Other Biomass ²	470,146	433,756	389,101	386,200	385,552
Wood and Derived Fuels ³	20,599	15,361	21,303	20,066	20,710
Hydroelectric Conventional	93,446	77,279	59,957	70,866	80,456
Solar Thermal/PV	-	-	80	43	4,772
Wind	-	-	-	208	16,070
Industrial	31,871,511	30,508,807	29,138,172	27,900,961	28,243,802
Biomass	28,972,463	28,918,826	27,462,283	26,032,625	26,574,314
Waste	572,447	631,452	821,394	740,469	868,650
Landfill Gas	28,786	27,087	21,494	22,365	15,287
MSW Biogenic ¹	34,541	39,782	-	-	-
Other Biomass ²	509,120	564,583	799,900	718,103	853,363
Wood and Derived Fuels ³	28,400,016	28,287,374	26,640,889	25,292,157	25,705,664
Hydroelectric Conventional	2,899,048	1,589,981	1,675,889	1,868,336	1,667,690
Solar Thermal/PV	-	-	-	-	1798
Electric Power⁴	352,187,707	320,547,239	350,179,231	387,983,371	397,337,996
Biomass	24,268,913	25,005,592	26,016,380	26,691,759	27,822,072
Waste	13,927,432	14,294,304	15,378,719	15,953,844	16,376,286
Landfill Gas	5,475,664	5,928,117	6,901,211	7,584,338	8,105,666
MSW Biogenic ¹	7,487,120	7,301,560	7,185,893	7,013,037	6,896,244
Other Biomass ²	964,648	1,064,627	1,291,615	1,356,468	1,374,376
Wood and Derived Fuels ³	10,341,481	10,711,288	10,637,661	10,737,915	11,445,786
Geothermal	14,568,029	14,637,213	14,839,977	15,008,658	15,219,213
Hydroelectric Conventional	286,253,922	245,842,714	253,095,539	271,505,893	258,454,923

Solar Thermal/PV	507,706	611,793	864,235	891,137	1,205,611
Wind	26,589,137	34,449,927	55,363,100	73,885,924	94,636,176

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

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

³Black liquor, and wood/wood waste solids and liquids.

⁴The electric power sector comprises electricity-only and combined-heat-power (CHP) plants within North American Industry Classification System (NAICS) 22 category whose primary business is to sell electricity, or electricity and heat, to the public.

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MSW = Municipal Solid Waste.

PV = Photovoltaic.

- = No data reported.

Note: Totals may not equal sum of components due to independent rounding.

Source: Electric Power: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms: Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report."