

Table 3. 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	425,195,509
Biomass	54,860,621	55,538,578	55,033,612	54,492,734	56,531,478
Waste	16,098,525	16,524,554	17,733,759	18,442,596	18,556,549
Landfill Gas	5,677,040	6,157,750	7,156,340	7,924,211	7,931,890
MSW Biogenic ¹	8,477,571	8,303,838	8,096,801	8,057,613	8,167,446
Other Biomass ²	1,943,913	2,062,966	2,480,617	2,460,771	2,457,212
Wood and Derived Fuels ³	38,762,096	39,014,024	37,299,853	36,050,138	37,974,929
Geothermal	14,568,029	14,637,213	14,839,977	15,008,658	15,666,388
Hydroelectric Conventional	289,246,416	247,509,974	254,831,385	273,445,094	257,051,672
Solar Thermal/PV	507,706	611,793	864,315	891,179	1,299,193
Wind	26,589,137	34,449,927	55,363,100	73,886,132	94,646,778
Commercial	1,712,691	1,691,439	1,614,986	1,839,466	1,839,396
Biomass	1,619,245	1,614,160	1,554,948	1,768,350	1,744,753
Waste	1,598,646	1,598,799	1,533,645	1,748,284	1,723,313
Landfill Gas	172,590	202,547	233,636	317,508	325,254
MSW Biogenic ¹	955,910	962,496	910,908	1,044,576	1,001,160
Other Biomass ²	470,146	433,756	389,101	386,200	396,900
Wood and Derived Fuels ³	20,599	15,361	21,303	20,066	21,440
Hydroelectric Conventional	93,446	77,279	59,957	70,866	92,389
Solar Thermal/PV	-	-	80	43	1,538
Wind	-	-	-	208	716
Industrial	31,871,511	30,508,807	29,138,172	27,900,961	28,852,646
Biomass	28,972,463	28,918,826	27,462,283	26,032,625	27,218,860
Waste	572,447	631,452	821,394	740,469	773,528
Landfill Gas	28,786	27,087	21,494	22,365	22,010
MSW Biogenic ¹	34,541	39,782	-	-	-
Other Biomass ²	509,120	564,583	799,900	718,103	751,519
Wood and Derived Fuels ³	28,400,016	28,287,374	26,640,889	25,292,157	26,445,332
Hydroelectric Conventional	2,899,048	1,589,981	1,675,889	1,868,336	1,631,520
Solar Thermal/PV	-	-	-	-	2,266
Electric Power⁴	352,187,707	320,547,239	350,179,231	387,983,371	394,503,467
Biomass	24,268,913	25,005,592	26,016,380	26,691,759	27,567,865
Waste	13,927,432	14,294,304	15,378,719	15,953,844	16,059,707
Landfill Gas	5,475,664	5,928,117	6,901,211	7,584,338	7,584,627
MSW Biogenic ¹	7,487,120	7,301,560	7,185,893	7,013,037	7,166,287
Other Biomass ²	964,648	1,064,627	1,291,615	1,356,468	1,308,794
Wood and Derived Fuels ³	10,341,481	10,711,288	10,637,661	10,737,915	11,508,157
Geothermal	14,568,029	14,637,213	14,839,977	15,008,658	15,666,388
Hydroelectric Conventional	286,253,922	245,842,714	253,095,539	271,505,893	255,327,763
Solar Thermal/PV	507,706	611,793	864,235	891,137	1,295,389
Wind	26,589,137	34,449,927	55,363,100	73,885,924	94,646,063

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 Classification System (NAICS) 22 category whose primary business is to sell electricity, or electricity and heat, to the public.

MSW = Municipal Solid Waste.

PV = Photovoltaic.

- = No data reported.

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

Data revisions are discussed in the Highlights section.

Data for 2010 is preliminary.

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."