

**Table 1.11 Electricity Net Generation From Renewable Energy by Energy Use Sector and Energy Source, 2004 - 2008**

(Thousand Kilowatthours)

Sector/Source	2004	2005	2006	2007	2008
<b>Total</b>	351,484,632	357,650,653	385,771,908	352,747,486	381,043,759
<b>Biomass</b>	53,537,453	54,276,810	54,860,621	55,538,578	55,033,612
Waste	15,420,570	15,420,393	16,098,525	16,524,554	17,733,759
Landfill Gas	5,128,425	5,142,111	5,677,040	6,157,750	7,156,340
MSW Biogenic <sup>1</sup>	8,150,974	8,330,471	8,477,571	8,303,838	8,096,801
Other Biomass <sup>2</sup>	2,141,171	1,947,810	1,943,913	2,062,966	2,480,617
Wood and Derived Fuels <sup>3</sup>	38,116,883	38,856,417	38,762,096	39,014,024	37,299,853
Geothermal	14,810,975	14,691,745	14,568,029	14,637,213	14,951,348
Hydroelectric Conventional	268,417,308	270,321,255	289,246,416	247,509,974	254,831,385
Solar Thermal/PV	575,155	550,294	507,706	611,793	864,315
Wind	14,143,741	17,810,549	26,589,137	34,449,927	55,363,100
<b>Commercial</b>	1,680,155	1,758,789	1,712,691	1,691,439	1,614,986
Biomass	1,575,188	1,672,752	1,619,245	1,614,160	1,554,948
Waste	1,561,794	1,656,755	1,598,646	1,598,799	1,533,645
Landfill Gas	172,029	217,632	172,590	202,547	233,636
MSW Biogenic <sup>1</sup>	945,344	953,093	955,910	962,496	910,908
Other Biomass <sup>2</sup>	444,421	486,031	470,146	433,756	389,101
Wood and Derived Fuels <sup>3</sup>	13,394	15,997	20,599	15,361	21,303
Hydroelectric Conventional	104,967	86,037	93,446	77,279	59,957
Solar Thermal/PV	-	-	-	-	80
<b>Industrial</b>	32,412,566	32,198,528	31,871,511	30,508,807	29,138,172
Biomass	29,164,073	29,003,087	28,972,463	28,918,826	27,462,283
Waste	796,988	732,553	572,447	631,452	821,394
Landfill Gas	120,018	113,155	28,786	27,087	21,494
MSW Biogenic <sup>1</sup>	30,213	34,441	34,541	39,782	-
Other Biomass <sup>2</sup>	646,757	584,957	509,120	564,583	799,900
Wood and Derived Fuels <sup>3</sup>	28,367,085	28,270,534	28,400,016	28,287,374	26,640,889
Hydroelectric Conventional	3,248,493	3,195,441	2,899,048	1,589,981	1,675,889
Solar Thermal/PV	-	-	-	-	-
<b>Electric Power<sup>4</sup></b>	317,391,910	323,693,336	352,187,707	320,547,239	350,290,602
Biomass	22,798,191	23,600,971	24,268,913	25,005,592	26,016,380
Waste	13,061,787	13,031,084	13,927,432	14,294,304	15,378,719
Landfill Gas	4,836,377	4,811,325	5,475,664	5,928,117	6,901,211
MSW Biogenic <sup>1</sup>	7,175,417	7,342,938	7,487,120	7,301,560	7,185,893
Other Biomass <sup>2</sup>	1,049,993	876,822	964,648	1,064,627	1,291,615
Wood and Derived Fuels <sup>3</sup>	9,736,404	10,569,886	10,341,481	10,711,288	10,637,661
Geothermal	14,810,975	14,691,745	14,568,029	14,637,213	14,951,348
Hydroelectric Conventional	265,063,848	267,039,777	286,253,922	245,842,714	253,095,539
Solar Thermal/PV	575,155	550,294	507,706	611,793	864,235
Wind	14,143,741	17,810,549	26,589,137	34,449,927	55,363,100

<sup>1</sup>Includes paper and paper board, wood, food, leather, textiles and yard trimmings.

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

<sup>3</sup>Black liquor, and wood/wood waste solids and liquids.

<sup>4</sup>The 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.

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

**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."