

Table 5.8 – Operational Renewable Energy Generating Capacity

(Megawatts)

	<u>1980</u>	<u>1990</u>	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u> ¹
Agricultural Residues ²	40	165	373	373	373	373
BioGas ³	18	361	933	999	1,030	1,053
Municipal Solid Waste ⁴	263	2,172	2,970	2,970	2,970	3,000
Timber Residues ⁵	3,576	6,305	7,447	7,458	7,497	7,497
Bioenergy Total ⁶	3,897	9,003	11,722	11,800	11,869	11,922
Geothermal	802	2,540	2,779	2,779	2,779	2,779
Photovoltaic ⁷	0.025	4.170	27.645	38.452	59.703	67.710
Solar Thermal	0	274	354	354	354	354
Hydro ⁸	80,491	90,955	94,324	94,335	94,335	94,356
Wind	0.06	1,569	2,780	4,623	5,078	5,090
Total	85,190	104,344	111,987	113,930	114,475	114,569

Source: Renewable Electric Plant Information System (REPiS Database), Version 7, National Renewable Energy Laboratory, 2003, <http://www.nrel.gov/analysis/repis/>.

Notes:

Totals do not equal renewable generation capacity cited in Table 6.1.

¹2003 data is preliminary; it is not verified at time of data book release

²Agricultural residues, cannery wastes, nut hulls, fruit pits, nut shells

³Biogas, alcohol (includes butanol, ethanol, and methanol), bagasse, hydrogen, landfill gas, livestock manure, wood gas (from wood gasifier)

⁴Municipal solid waste (includes industrial and medical), hazardous waste, scrap tires, wastewater sludge, refused-derived fuel

⁵Timber and logging residues (Includes tree bark, wood chips, saw dust, pulping liquor, peat, tree pitch, wood or wood waste)

⁶ There are an additional 65.45 MW of ag waste, 5.445 MW of bio gas, and 483.31 MW of wood residues that are not accounted for here, because they have no specific online date.

⁷ There are an additional 3.4 MW of photovoltaic capacity that are not accounted for here, because they have no specific online date.

⁸ There are an additional 24 MW of hydroelectric capacity that are not accounted for here, because they have no specific online date.