

Table 1. Summary Renewable Electric Power Industry Statistics (2007)

Washington

Primary Renewable Energy Capacity Source Hydro Conventional
 Primary Renewable Energy Generation Source Hydro Conventional

<u>Capacity (megawatts)</u>	<u>Value</u>	<u>Percent of State Total</u>
Total Net Summer Electricity Capacity	28,615	100.0
Total Net Summer Renewable Capacity	22,828	79.8
Geothermal	-	-
Hydro Conventional	21,333	74.6
Solar	1	*
Wind	1,162	4.1
Wood/Wood Waste	296	1.0
MSW/Landfill Gas	36	0.1
Other Biomass	-	-
 <u>Generation (thousand megawatthours)</u>		
Total Electricity Net Generation	106,990	100.0
Total Renewable Net Generation	82,560	77.2
Geothermal	-	-
Hydro Conventional	78,829	73.7
Solar	-	-
Wind	2,438	2.3
Wood/Wood Waste	1,116	1.0
MSW Biogenic/Landfill Gas	163	0.2
Other Biomass	13	*

* = Absolute percentage less than 0.05.

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

Sources: Capacity: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." Generation: Energy Information Administration, Form EIA-906, "Power Plant Report" and EIA-920, "Combined Heat and Power Plant Report."

Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2003 - 2007 (Megawatts)

Washington

Energy Source	2003	2004	2005	2006	2007
Fossil	4,208	4,459	4,439	4,436	4,343
Coal	1,407	1,407	1,405	1,405	1,405
Petroleum	215	39	40	40	4
Natural Gas	2,586	3,013	2,994	2,991	2,933
Other Gases	-	-	-	-	-
Nuclear	1,108	1,122	1,131	1,131	1,131
Renewables	22,059	21,678	21,907	22,343	22,828
Pumped Storage	314	314	314	314	314
Other	-	-	-	-	-
Total	27,689	27,573	27,791	28,224	28,615

- = No data reported.

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires and miscellaneous technologies. For cofired plants, all of the capacity is assigned to the primary energy source. Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. State Renewable Electric Power Industry Net Summer Capacity, by Energy Source, 2003 - 2007 (Megawatts)

Washington

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	21,457	21,070	21,146	21,156	21,333
Solar	-	-	-	-	1
Wind	228	243	393	821	1,162
Wood/Wood Waste	330	326	328	326	296
MSW/Landfill Gas	40	35	35	35	36
Other Biomass	4	4	4	4	-
Total	22,059	21,678	21,907	22,343	22,828

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

**Table 4. State Total Electric Power Industry Net Generation, by Energy Source, 2003 - 2007
(Thousand Megawatthours)**

Washington

Energy Source	2003	2004	2005	2006	2007
Fossil	18,542	19,239	19,462	14,255	16,215
Coal	11,090	10,409	10,494	6,373	8,557
Petroleum	67	86	67	38	37
Natural Gas	7,083	8,469	8,579	7,495	7,287
Other Gases	303	275	322	349	334
Nuclear	7,615	8,982	8,242	9,328	8,109
Renewables	73,885	73,887	74,188	84,510	82,560
Pumped Storage	-3	-10	8	47	45
Other	56	67	65	62	62
Total	100,095	102,165	101,966	108,203	106,990

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires, non-biogenic MSW and miscellaneous technologies. For cofired plants, generation is prorated on the basis of energy source shares. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report" and EIA-920, "Combined Heat and Power Plant Report."

**Table 5. State Renewable Electric Power Industry Net Generation, by Energy Source, 2003 - 2007
(Thousand Megawatthours)**

Washington

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	71,757	71,576	72,075	82,008	78,829
Solar	-	-	-	-	-
Wind	604	737	498	1,038	2,438
Wood/Wood Waste	1,343	1,389	1,425	1,281	1,116
MSW Biogenic/Landfill Gas	153	164	171	165	163
Other Biomass	29	22	20	19	13
Total	73,885	73,887	74,188	84,510	82,560

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report" and EIA-920, "Combined Heat and Power Plant Report."