

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

Alaska

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	1,961	100.0
Total Net Summer Renewable Capacity	400	20.4
Geothermal	-	-
Hydro Conventional	397	20.2
Solar	-	-
Wind	3	0.1
Wood/Wood Waste	-	-
MSW/Landfill Gas	-	-
Other Biomass	-	-
 <u>Generation (thousand megawatthours)</u>		
Total Electricity Net Generation	6,821	100.0
Total Renewable Net Generation	1,302	19.1
Geothermal	-	-
Hydro Conventional	1,291	18.9
Solar	-	-
Wind	1	*
Wood/Wood Waste	s	*
MSW Biogenic/Landfill Gas	-	-
Other Biomass	10	0.1

s = Value is less than 0.5 of the table metric, but value is included in any associated total.

* = 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)

Alaska

Energy Source	2003	2004	2005	2006	2007
Fossil	1,499	1,455	1,484	1,485	1,561
Coal	85	85	105	105	105
Petroleum	579	565	574	575	622
Natural Gas	835	805	805	805	834
Other Gases	-	-	-	-	-
Nuclear	-	-	-	-	-
Renewables	396	396	406	400	400
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
Total	1,895	1,851	1,890	1,884	1,961

- = 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)

Alaska

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	396	395	397	397	397
Solar	-	-	-	-	-
Wind	1	1	10	3	3
Wood/Wood Waste	-	-	-	-	-
MSW/Landfill Gas	-	-	-	-	-
Other Biomass	-	-	-	-	-
Total	396	396	406	400	400

- = 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)**

Alaska

Energy Source	2003	2004	2005	2006	2007
Fossil	4,750	5,019	5,107	5,443	5,519
Coal	550	649	624	617	641
Petroleum	846	747	759	768	1,010
Natural Gas	3,354	3,623	3,724	4,058	3,868
Other Gases	-	-	-	-	-
Nuclear	-	-	-	-	-
Renewables	1,588	1,507	1,470	1,231	1,302
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
Total	6,339	6,527	6,577	6,674	6,821

- = 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, 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)**

Alaska

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	1,583	1,498	1,464	1,224	1,291
Solar	-	-	-	-	-
Wind	-	-	1	1	1
Wood/Wood Waste	1	s	s	1	s
MSW Biogenic/Landfill Gas	-	-	-	-	-
Other Biomass	5	9	5	6	10
Total	1,588	1,507	1,470	1,231	1,302

s = Value is less than 0.5 of the table metric, but value is included in any associated total.

- = 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."