

Table 1. Summary Renewable Electric Power Industry Statistics (2010)**Alaska**

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

Capacity (megawatts)	Value	Percent of State Total
Total Net Summer Electricity Capacity	2,067	100.0
Total Net Summer Renewable Capacity	422	20.4
Geothermal	-	-
Hydro Conventional	414	20.1
Solar	-	-
Wind	7	0.4
Wood/Wood Waste	-	-
MSW/Landfill Gas	-	-
Other Biomass	-	-
Generation (thousand megawatthours)		
Total Electricity Net Generation	6,760	100.0
Total Renewable Net Generation	1,452	21.5
Geothermal	-	-
Hydro Conventional	1,433	21.2
Solar	-	-
Wind	13	0.2
Wood/Wood Waste	-	-
MSW Biogenic/Landfill Gas	-	-
Other Biomass	6	0.1

- = 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: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report." Generation: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2006 - 2010 (Megawatts)**Alaska**

Energy Source	2006	2007	2008	2009	2010
Fossil	1,485	1,561	1,593	1,591	1,618
Coal	105	105	112	111	111
Petroleum	575	622	643	644	663
Natural Gas	805	834	838	836	845
Other Gases	-	-	-	-	-
Nuclear	-	-	-	-	-
Renewables	400	400	403	422	422
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	27
Total	1,884	1,961	1,995	2,012	2,067

- = 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: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. State Renewable Electric Power Industry Net Summer Capacity, by Energy Source, 2006 - 2010 (Megawatts)

Alaska

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	397	397	400	414	414
Solar	-	-	-	-	-
Wind	3	3	3	7	7
Wood/Wood Waste	-	-	-	-	-
MSW/Landfill Gas	-	-	-	-	-
Other Biomass	-	-	-	-	-
Total	400	400	403	422	422

- = 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: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

**Table 4. State Total Electric Power Industry Net Generation, by Energy Source, 2006 - 2010
(Thousand Megawatthours)****Alaska**

Energy Source	2006	2007	2008	2009	2010
Fossil	5,443	5,519	5,598	5,365	5,308
Coal	617	641	618	631	620
Petroleum	768	1,010	978	1,157	937
Natural Gas	4,058	3,868	4,002	3,577	3,750
Other Gases	-	-	-	-	-
Nuclear	-	-	-	-	-
Renewables	1,231	1,302	1,177	1,337	1,452
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
Total	6,674	6,821	6,775	6,702	6,760

- = 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: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms.

**Table 5. State Renewable Electric Power Industry Net Generation, by Energy Source, 2006 - 2010
(Thousand Megawatthours)****Alaska**

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	1,224	1,291	1,172	1,324	1,433
Solar	-	-	-	-	-
Wind	1	1	s	7	13
Wood/Wood Waste	1	s	-	-	-
MSW Biogenic/Landfill Gas	-	-	-	-	-
Other Biomass	6	10	5	7	6
Total	1,231	1,302	1,177	1,337	1,452

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: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms.