

Table 1. Summary Renewable Electric Power Industry Statistics (2006)

Arizona

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	25,608	100.0
Total Net Summer Renewable Capacity	2,736	10.7
Geothermal	-	-
Hydro Conventional	2,720	10.6
Solar	9	*
Wind	-	-
Wood/Wood Waste	3	*
MSW/Landfill Gas	4	*
Other Biomass	-	-
 Generation (thousand megawatthours)		
Total Electricity Net Generation	104,393	100.0
Total Renewable Net Generation	6,846	6.6
Geothermal	-	-
Hydro Conventional	6,793	6.5
Solar	13	*
Wind	-	-
Wood/Wood Waste	8	*
MSW Biogenic/Landfill Gas	28	*
Other Biomass	4	*

* = 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, 2002 - 2006 (Megawatts)

Arizona

Energy Source	2002	2003	2004	2005	2006
Fossil	12,786	16,751	17,561	18,077	18,784
Coal	5,404	5,404	5,404	5,430	5,830
Petroleum	267	195	112	112	90
Natural Gas	7,115	11,152	12,046	12,535	12,864
Other Gases	-	-	-	-	-
Nuclear	3,733	3,825	3,804	3,875	3,872
Renewables	2,707	2,718	2,722	2,736	2,736
Pumped Storage	216	216	216	216	216
Other	-	-	-	-	-
Total	19,442	23,510	24,303	24,904	25,608

- = 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, 2002 - 2006 (Megawatts)

Arizona

Energy Source	2002	2003	2004	2005	2006
Geothermal	-	-	-	-	-
Hydro Conventional	2,703	2,706	2,710	2,720	2,720
Solar	1	7	8	9	9
Wind	-	-	-	-	-
Wood/Wood Waste	-	-	-	3	3
MSW/Landfill Gas	4	4	4	4	4
Other Biomass	-	-	-	-	-
Total	2,707	2,718	2,722	2,736	2,736

- = 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, 2002 - 2006
 (Thousand Megawatthours)**

Arizona

Energy Source	2002	2003	2004	2005	2006
Fossil	55,577	57,073	68,116	69,080	73,385
Coal	38,227	38,091	39,814	40,143	40,443
Petroleum	57	49	41	43	73
Natural Gas	17,293	18,933	28,262	28,893	32,869
Other Gases	-	-	-	-	-
Nuclear	30,862	28,581	28,113	25,807	24,012
Renewables	7,481	7,120	7,021	6,484	6,846
Pumped Storage	124	284	-53	107	149
Other	88	1,339	1,368	-	-
Total	94,132	94,396	104,564	101,479	104,393

- = 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, 2002 - 2006
 (Thousand Megawatthours)**

Arizona

Energy Source	2002	2003	2004	2005	2006
Geothermal	-	-	-	-	-
Hydro Conventional	7,427	7,075	6,973	6,410	6,793
Solar	s	s	4	14	13
Wind	-	-	-	-	-
Wood/Wood Waste	-	-	-	12	8
MSW Biogenic/Landfill Gas	50	41	44	45	28
Other Biomass	4	4	s	4	4
Total	7,481	7,120	7,021	6,484	6,846

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."