

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

**Arizona**

Primary Renewable Energy Capacity Source	Hydro Conventional		
Primary Renewable Energy Generation Source	Hydro Conventional		
<b><u>Capacity (megawatts)</u></b>	<b><u>Value</u></b>	<b><u>Percent of State</u></b>	<b><u>Total</u></b>
<b>Total Net Summer Electricity Capacity</b>	<b>25,579</b>		<b>100.0</b>
<b>Total Net Summer Renewable Capacity</b>	<b>2,736</b>		<b>10.7</b>
Geothermal	-		-
Hydro Conventional	2,720		10.6
Solar	9		*
Wind	-		-
Wood/Wood Waste	3		*
MSW/Landfill Gas	4		*
Other Biomass	-		-
<b><u>Generation (thousand megawatthours)</u></b>			
<b>Total Electricity Net Generation</b>	<b>113,341</b>		<b>100.0</b>
<b>Total Renewable Net Generation</b>	<b>6,639</b>		<b>5.9</b>
Geothermal	-		-
Hydro Conventional	6,598		5.8
Solar	9		*
Wind	-		-
Wood/Wood Waste	-		-
MSW Biogenic/Landfill Gas	29		*
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, 2003 - 2007 (Megawatts)**

**Arizona**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Fossil	16,751	17,561	18,077	18,784	18,756
Coal	5,404	5,404	5,430	5,830	5,818
Petroleum	195	112	112	90	93
Natural Gas	11,152	12,046	12,535	12,864	12,845
Other Gases	-	-	-	-	-
Nuclear	3,825	3,804	3,875	3,872	3,872
Renewables	2,718	2,722	2,736	2,736	2,736
Pumped Storage	216	216	216	216	216
Other	-	-	-	-	-
<b>Total</b>	<b>23,510</b>	<b>24,303</b>	<b>24,904</b>	<b>25,608</b>	<b>25,579</b>

- = 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)**

**Arizona**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Geothermal	-	-	-	-	-
Hydro Conventional	2,706	2,710	2,720	2,720	2,720
Solar	7	8	9	9	9
Wind	-	-	-	-	-
Wood/Wood Waste	-	-	3	3	3
MSW/Landfill Gas	4	4	4	4	4
Other Biomass	-	-	-	-	-
<b>Total</b>	<b>2,718</b>	<b>2,722</b>	<b>2,736</b>	<b>2,736</b>	<b>2,736</b>

- = 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)**

**Arizona**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Fossil	57,073	68,116	69,080	73,385	79,794
Coal	38,091	39,811	40,144	40,443	41,275
Petroleum	49	41	43	73	49
Natural Gas	18,933	28,265	28,893	32,869	38,469
Other Gases	-	-	-	-	-
Nuclear	28,581	28,113	25,807	24,012	26,782
Renewables	7,120	7,021	6,484	6,846	6,639
Pumped Storage	284	-53	107	149	125
Other	1,339	1,368	-	-	-
<b>Total</b>	<b>94,396</b>	<b>104,564</b>	<b>101,479</b>	<b>104,393</b>	<b>113,341</b>

- = 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)**

**Arizona**

<b>Energy Source</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>
Geothermal	-	-	-	-	-
Hydro Conventional	7,075	6,973	6,410	6,793	6,598
Solar	s	4	14	13	9
Wind	-	-	-	-	-
Wood/Wood Waste	-	-	12	8	-
MSW Biogenic/Landfill Gas	41	44	45	28	29
Other Biomass	4	s	4	4	4
<b>Total</b>	<b>7,120</b>	<b>7,021</b>	<b>6,484</b>	<b>6,846</b>	<b>6,639</b>

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."