

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

**North Carolina**

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>
<b>Total Net Summer Electricity Capacity</b>	<b>27,061</b>	<b>100.0</b>
<b>Total Net Summer Renewable Capacity</b>	<b>2,292</b>	<b>8.5</b>
Geothermal	-	-
Hydro Conventional	1,954	7.2
Solar	-	-
Wind	-	-
Wood/Wood Waste	324	1.2
MSW/Landfill Gas	14	0.1
Other Biomass	-	-
 <u>Generation (thousand megawatthours)</u>		
<b>Total Electricity Net Generation</b>	<b>125,215</b>	<b>100.0</b>
<b>Total Renewable Net Generation</b>	<b>5,674</b>	<b>4.5</b>
Geothermal	-	-
Hydro Conventional	3,839	3.1
Solar	-	-
Wind	-	-
Wood/Wood Waste	1,743	1.4
MSW Biogenic/Landfill Gas	88	0.1
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)**

**North Carolina**

<b>Energy Source</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Fossil	19,630	20,146	19,818	19,787	19,673
Coal	13,268	13,268	13,226	13,196	13,113
Petroleum	887	891	595	594	563
Natural Gas	5,475	5,987	5,997	5,997	5,997
Other Gases	-	-	-	-	-
Nuclear	4,731	4,783	4,938	4,938	4,975
Renewables	2,182	2,203	2,222	2,250	2,292
Pumped Storage	94	94	95	95	84
Other	37	37	37	37	37
<b>Total</b>	<b>26,674</b>	<b>27,263</b>	<b>27,110</b>	<b>27,107</b>	<b>27,061</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, 2002 - 2006 (Megawatts)**

**North Carolina**

<b>Energy Source</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Geothermal	-	-	-	-	-
Hydro Conventional	1,914	1,939	1,951	1,945	1,954
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	247	250	256	291	324
MSW/Landfill Gas	19	14	14	14	14
Other Biomass	2	-	-	-	-
<b>Total</b>	<b>2,182</b>	<b>2,203</b>	<b>2,222</b>	<b>2,250</b>	<b>2,292</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, 2002 - 2006  
 (Thousand Megawatthours)**

**North Carolina**

<b>Energy Source</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Fossil	79,342	77,140	78,671	82,080	79,127
Coal	75,188	74,776	75,548	78,451	75,518
Petroleum	592	784	580	485	431
Natural Gas	3,561	1,580	2,544	3,143	3,178
Other Gases	1	s	-	-	-
Nuclear	39,627	40,907	40,091	39,982	39,963
Renewables	5,278	9,177	7,208	7,235	5,674
Pumped Storage	25	119	78	147	131
Other	196	239	282	306	320
<b>Total</b>	<b>124,468</b>	<b>127,582</b>	<b>126,330</b>	<b>129,749</b>	<b>125,215</b>

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

- = 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)**

**North Carolina**

<b>Energy Source</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
Geothermal	-	-	-	-	-
Hydro Conventional	3,492	7,201	5,435	5,397	3,839
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	1,683	1,862	1,660	1,740	1,743
MSW Biogenic/Landfill Gas	88	93	94	87	88
Other Biomass	16	22	18	12	4
<b>Total</b>	<b>5,278</b>	<b>9,177</b>	<b>7,208</b>	<b>7,235</b>	<b>5,674</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. 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."