

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

North Carolina

Primary Renewable Energy Capacity Source
 Primary Renewable Energy Generation Source

Hydro Conventional
 Hydro Conventional

<u>Capacity (megawatts)</u>	<u>Value</u>	<u>Percent of State Total</u>
Total Net Summer Electricity Capacity	27,644	100.0
Total Net Summer Renewable Capacity	2,301	8.3
Geothermal	-	-
Hydro Conventional	1,960	7.1
Solar	-	-
Wind	-	-
Wood/Wood Waste	324	1.2
MSW/Landfill Gas	18	0.1
Other Biomass	-	-
 <u>Generation (thousand megawatthours)</u>		
Total Electricity Net Generation	130,115	100.0
Total Renewable Net Generation	4,656	3.6
Geothermal	-	-
Hydro Conventional	2,984	2.3
Solar	-	-
Wind	-	-
Wood/Wood Waste	1,585	1.2
MSW Biogenic/Landfill Gas	86	0.1
Other Biomass	1	*

* = 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)

North Carolina

Energy Source	2003	2004	2005	2006	2007
Fossil	20,146	19,818	19,787	19,673	20,247
Coal	13,268	13,226	13,196	13,113	13,068
Petroleum	891	595	594	563	564
Natural Gas	5,987	5,997	5,997	5,997	6,616
Other Gases	-	-	-	-	-
Nuclear	4,783	4,938	4,938	4,975	4,975
Renewables	2,203	2,222	2,250	2,292	2,301
Pumped Storage	94	95	95	84	84
Other	37	37	37	37	37
Total	27,263	27,110	27,107	27,061	27,644

- = 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)

North Carolina

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	1,939	1,951	1,945	1,954	1,960
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	250	256	291	324	324
MSW/Landfill Gas	14	14	14	14	18
Other Biomass	-	-	-	-	-
Total	2,203	2,222	2,250	2,292	2,301

- = 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)**

North Carolina

Energy Source	2003	2004	2005	2006	2007
Fossil	77,140	78,716	82,114	79,134	84,935
Coal	74,776	75,546	78,436	75,487	79,983
Petroleum	784	611	519	451	496
Natural Gas	1,580	2,559	3,159	3,196	4,457
Other Gases	s	-	-	-	-
Nuclear	40,907	40,091	39,982	39,963	40,045
Renewables	9,177	7,168	7,204	5,667	4,656
Pumped Storage	119	78	147	131	137
Other	239	277	303	319	342
Total	127,582	126,330	129,749	125,215	130,115

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, 2003 - 2007
(Thousand Megawatthours)**

North Carolina

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	7,201	5,435	5,397	3,839	2,984
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	1,862	1,621	1,709	1,737	1,585
MSW Biogenic/Landfill Gas	93	94	87	88	86
Other Biomass	22	18	11	4	1
Total	9,177	7,168	7,204	5,667	4,656

- = 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."