

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

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	27,674	100.0
Total Net Summer Renewable Capacity	2,499	9.0
Geothermal	-	-
Hydro Conventional	1,956	7.1
Solar	35	0.1
Wind	-	-
Wood/Wood Waste	481	1.7
MSW/Landfill Gas	27	0.1
Other Biomass	-	-
Generation (thousand megawatthours)		
Total Electricity Net Generation	128,678	100.0
Total Renewable Net Generation	6,840	5.3
Geothermal	-	-
Hydro Conventional	4,757	3.7
Solar	11	*
Wind	-	-
Wood/Wood Waste	1,876	1.5
MSW Biogenic/Landfill Gas	136	0.1
Other Biomass	60	*

* = 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: 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)**North Carolina**

Energy Source	2006	2007	2008	2009	2010
Fossil	19,673	20,247	20,305	20,230	20,081
Coal	13,113	13,068	13,069	12,952	12,766
Petroleum	563	564	558	560	573
Natural Gas	5,997	6,616	6,679	6,718	6,742
Other Gases	-	-	-	-	-
Nuclear	4,975	4,975	4,958	4,958	4,958
Renewables	2,292	2,301	2,294	2,294	2,499
Pumped Storage	84	84	90	86	86
Other	37	37	47	50	50
Total	27,061	27,644	27,694	27,618	27,674

- = 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)

North Carolina

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	1,954	1,960	1,952	1,952	1,956
Solar	-	-	3	3	35
Wind	-	-	-	-	-
Wood/Wood Waste	324	324	318	318	481
MSW/Landfill Gas	14	18	20	20	27
Other Biomass	-	-	-	-	-
Total	2,292	2,301	2,294	2,294	2,499

- = 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)****North Carolina**

Energy Source	2006	2007	2008	2009	2010
Fossil	79,134	84,935	80,312	70,232	80,692
Coal	75,487	79,983	75,815	65,083	71,951
Petroleum	451	496	320	297	293
Natural Gas	3,196	4,457	4,177	4,852	8,447
Other Gases	-	-	-	-	-
Nuclear	39,963	40,045	39,776	40,848	40,740
Renewables	5,667	4,656	4,956	7,065	6,840
Pumped Storage	131	137	-121	43	-
Other	319	342	316	220	407
Total	125,215	130,115	125,239	118,407	128,678

- = 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)****North Carolina**

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	3,839	2,984	3,034	5,171	4,757
Solar	-	-	2	5	11
Wind	-	-	-	-	-
Wood/Wood Waste	1,737	1,585	1,800	1,757	1,876
MSW Biogenic/Landfill Gas	88	86	102	120	136
Other Biomass	4	1	19	11	60
Total	5,667	4,656	4,956	7,065	6,840

- = 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.