

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

Virginia

Primary Renewable Energy Capacity Source	Hydro Conventional		
Primary Renewable Energy Generation Source	Wood/Wood Waste		
<u>Capacity (megawatts)</u>	<u>Value</u>	<u>Percent of State</u>	<u>Total</u>
Total Net Summer Electricity Capacity	22,992		100.0
Total Net Summer Renewable Capacity	1,347		5.9
Geothermal	-		-
Hydro Conventional	675		2.9
Solar	-		-
Wind	-		-
Wood/Wood Waste	418		1.8
MSW/Landfill Gas	254		1.1
Other Biomass	-		-
<u>Generation (thousand megawatthours)</u>			
Total Electricity Net Generation	78,361		100.0
Total Renewable Net Generation	3,814		4.9
Geothermal	-		-
Hydro Conventional	1,248		1.6
Solar	-		-
Wind	-		-
Wood/Wood Waste	1,792		2.3
MSW Biogenic/Landfill Gas	753		1.0
Other Biomass	20		*

* = 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)

Virginia

Energy Source	2003	2004	2005	2006	2007
Fossil	13,797	15,008	15,001	14,968	15,080
Coal	5,796	5,797	5,783	5,774	5,794
Petroleum	2,442	2,457	2,390	2,386	2,418
Natural Gas	5,558	6,754	6,828	6,809	6,869
Other Gases	-	-	-	-	-
Nuclear	3,467	3,440	3,432	3,432	3,404
Renewables	1,356	1,358	1,249	1,251	1,347
Pumped Storage	2,638	2,700	2,917	2,997	3,161
Other	-	-	-	-	-
Total	21,258	22,506	22,599	22,648	22,992

- = 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)

Virginia

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	780	782	672	671	675
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	408	407	409	410	418
MSW/Landfill Gas	168	168	168	170	254
Other Biomass	-	-	-	-	-
Total	1,356	1,358	1,249	1,251	1,347

- = 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)**

Virginia

Energy Source	2003	2004	2005	2006	2007
Fossil	47,496	47,247	47,984	42,343	48,422
Coal	37,093	35,656	35,425	34,288	35,421
Petroleum	5,780	5,154	4,265	839	2,097
Natural Gas	4,619	6,438	8,295	7,215	10,904
Other Gases	3	-	-	-	-
Nuclear	24,816	28,315	27,918	27,594	27,268
Renewables	4,043	4,015	3,982	3,810	3,814
Pumped Storage	-1,498	-1,166	-1,421	-1,167	-1,620
Other	453	488	479	491	477
Total	75,309	78,900	78,943	73,070	78,361

- = 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)**

Virginia

Energy Source	2003	2004	2005	2006	2007
Geothermal	-	-	-	-	-
Hydro Conventional	1,782	1,583	1,484	1,351	1,248
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	1,588	1,733	1,803	1,780	1,792
MSW Biogenic/Landfill Gas	647	674	674	662	753
Other Biomass	27	25	21	17	20
Total	4,043	4,015	3,982	3,810	3,814

- = 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."