

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

Primary Renewable Energy Capacity Source	Hydro Conventional
Primary Renewable Energy Generation Source	Hydro Conventional

<b>Capacity (megawatts)</b>	<b>Value</b>	<b>Percent of State Total</b>
<b>Total Net Summer Electricity Capacity</b>	<b>24,109</b>	<b>100.0</b>
<b>Total Net Summer Renewable Capacity</b>	<b>1,487</b>	<b>6.2</b>
Geothermal	-	-
Hydro Conventional	866	3.6
Solar	-	-
Wind	-	-
Wood/Wood Waste	331	1.4
MSW/Landfill Gas	290	1.2
Other Biomass	-	-
<b>Generation (thousand megawatthours)</b>		
<b>Total Electricity Net Generation</b>	<b>72,966</b>	<b>100.0</b>
<b>Total Renewable Net Generation</b>	<b>3,720</b>	<b>5.1</b>
Geothermal	-	-
Hydro Conventional	1,500	2.1
Solar	-	-
Wind	-	-
Wood/Wood Waste	1,404	1.9
MSW Biogenic/Landfill Gas	802	1.1
Other Biomass	14	*

\* = 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)****Virginia**

<b>Energy Source</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
Fossil	14,968	15,080	15,543	15,740	15,880
Coal	5,774	5,794	5,773	5,777	5,868
Petroleum	2,386	2,418	2,418	2,427	2,432
Natural Gas	6,809	6,869	7,351	7,536	7,581
Other Gases	-	-	-	-	-
Nuclear	3,432	3,404	3,404	3,404	3,501
Renewables	1,251	1,347	1,368	1,403	1,487
Pumped Storage	2,997	3,161	3,161	3,241	3,241
Other	-	-	-	-	-
<b>Total</b>	<b>22,648</b>	<b>22,992</b>	<b>23,476</b>	<b>23,788</b>	<b>24,109</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:** 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)**

**Virginia**

Energy Source	2006	2007	2008	2009	2010
Geothermal	-	-	-	-	-
Hydro Conventional	671	675	677	716	866
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	410	418	422	409	331
MSW/Landfill Gas	170	254	269	278	290
Other Biomass	-	-	-	-	-
<b>Total</b>	<b>1,251</b>	<b>1,347</b>	<b>1,368</b>	<b>1,403</b>	<b>1,487</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:** 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)****Virginia**

<b>Energy Source</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
Fossil	42,343	48,422	42,242	38,888	43,751
Coal	34,288	35,421	31,776	25,599	25,459
Petroleum	839	2,097	1,150	1,088	1,293
Natural Gas	7,215	10,904	9,315	12,201	16,999
Other Gases	-	-	-	-	-
Nuclear	27,594	27,268	27,931	28,212	26,572
Renewables	3,810	3,814	3,709	3,896	3,720
Pumped Storage	-1,167	-1,620	-1,638	-1,335	-1,491
Other	491	477	434	420	414
<b>Total</b>	<b>73,070</b>	<b>78,361</b>	<b>72,679</b>	<b>70,082</b>	<b>72,966</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:** 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)**

**Virginia**

<b>Energy Source</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>
Geothermal	-	-	-	-	-
Hydro Conventional	1,351	1,248	1,011	1,479	1,500
Solar	-	-	-	-	-
Wind	-	-	-	-	-
Wood/Wood Waste	1,780	1,792	1,916	1,708	1,404
MSW Biogenic/Landfill Gas	662	753	761	695	802
Other Biomass	17	20	21	14	14
<b>Total</b>	<b>3,810</b>	<b>3,814</b>	<b>3,709</b>	<b>3,896</b>	<b>3,720</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:** U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms.