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State Renewable Electricity Profiles 2008

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Preface

The State Renewable Electricity Profiles 2008 presents a summary of current and recent historical data for the renewable electric power industry. Presented are net summer capacity and net generation data for each type of renewable generator, as well as fossil-fired and nuclear power plant types, for the period 2004 through 2008.

The objective of this set of profiles is to provide a concise overview of the renewable electric power industry in each state.

Data in this report are compiled from two U.S. Energy Information Administration (EIA) forms filed annually by electric utilities and other electric power producers. It is prepared by the Coal, Nuclear and Renewable Fuels Division; Office of Coal, Nuclear, Electric and Alternate Fuels; U.S. Energy Information Administration (EIA); U.S. Department of Energy.

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Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Alabama

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 | 31,222 | 100.0 |
| Total Net Summer Renewable Capacity | 3,865 | 12.4 |
| Geothermal | - | - |
| Hydro Conventional | 3,272 | 10.5 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 593 | 1.9 |
| MSW/Landfill Gas | - | - |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 145,870 | 100.0 |
| Total Renewable Net Generation | 9,493 | 6.5 |
| Geothermal | - | - |
| Hydro Conventional | 6,136 | 4.2 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 3,324 | 2.3 |
| MSW Biogenic/Landfill Gas | - | - |
| Other Biomass | 34 | * |

* = 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, 2004 - 2008 (Megawatts)

Alabama

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 21,804 | 21,893 | 21,804 | 21,784 | 22,372 |
| Coal | 11,370 | 11,592 | 11,557 | 11,544 | 11,506 |
| Petroleum | 43 | 43 | 43 | 43 | 43 |
| Natural Gas | 10,308 | 10,159 | 10,104 | 10,098 | 10,724 |
| Other Gases | 84 | 100 | 100 | 100 | 100 |
| Nuclear | 5,008 | 5,008 | 5,008 | 4,985 | 4,985 |
| Renewables | 3,835 | 3,793 | 3,852 | 3,846 | 3,865 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 30,647 | 30,694 | 30,664 | 30,614 | 31,222 |

- = 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, 2004 - 2008 (Megawatts)

Alabama

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 3,280 | 3,240 | 3,271 | 3,272 | 3,272 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 555 | 553 | 581 | 574 | 593 |
| MSW/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 3,835 | 3,793 | 3,852 | 3,846 | 3,865 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Alabama

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 91,286 | 92,438 | 97,827 | 101,561 | 97,376 |
| Coal | 74,832 | 78,128 | 78,109 | 77,994 | 74,605 |
| Petroleum | 295 | 333 | 180 | 157 | 204 |
| Natural Gas | 15,977 | 13,869 | 19,407 | 23,232 | 22,363 |
| Other Gases | 182 | 107 | 131 | 178 | 204 |
| Nuclear | 31,636 | 31,694 | 31,911 | 34,325 | 38,993 |
| Renewables | 14,405 | 13,791 | 11,136 | 7,937 | 9,493 |
| Pumped Storage | - | - | - | - | - |
| Other | 28 | 25 | 21 | 4 | 8 |
| Total | 137,355 | 137,949 | 140,895 | 143,826 | 145,870 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Alabama

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|---------------|---------------|---------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 10,626 | 10,145 | 7,252 | 4,136 | 6,136 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 3,756 | 3,630 | 3,865 | 3,784 | 3,324 |
| MSW Biogenic/Landfill Gas | 5 | 4 | 4 | 4 | - |
| Other Biomass | 18 | 13 | 16 | 13 | 34 |
| Total | 14,405 | 13,791 | 11,136 | 7,937 | 9,493 |

- = 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.

Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

Alaska

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 1,455 | 1,484 | 1,485 | 1,561 | 1,593 |
| Coal | 85 | 105 | 105 | 105 | 112 |
| Petroleum | 565 | 574 | 575 | 622 | 643 |
| Natural Gas | 805 | 805 | 805 | 834 | 838 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 396 | 406 | 400 | 400 | 403 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 1,851 | 1,890 | 1,884 | 1,961 | 1,995 |

- = 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, 2004 - 2008 (Megawatts)

Alaska

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 395 | 397 | 397 | 397 | 400 |
| Solar | - | - | - | - | - |
| Wind | 1 | 10 | 3 | 3 | 3 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 396 | 406 | 400 | 400 | 403 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Alaska

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 5,019 | 5,107 | 5,443 | 5,519 | 5,598 |
| Coal | 649 | 624 | 617 | 641 | 618 |
| Petroleum | 747 | 759 | 768 | 1,010 | 978 |
| Natural Gas | 3,623 | 3,724 | 4,058 | 3,868 | 4,002 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 1,507 | 1,470 | 1,231 | 1,302 | 1,177 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 6,527 | 6,577 | 6,674 | 6,821 | 6,775 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Alaska

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,498 | 1,464 | 1,224 | 1,291 | 1,172 |
| Solar | - | - | - | - | - |
| Wind | - | 1 | 1 | 1 | s |
| Wood/Wood Waste | s | s | 1 | s | - |
| MSW Biogenic/Landfill Gas | - | - | - | - | - |
| Other Biomass | 9 | 5 | 6 | 10 | 5 |
| Total | 1,507 | 1,470 | 1,231 | 1,302 | 1,177 |

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

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Arizona

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 | 25,861 | 100.0 |
| Total Net Summer Renewable Capacity | 2,762 | 10.7 |
| Geothermal | - | - |
| Hydro Conventional | 2,720 | 10.5 |
| Solar | 9 | * |
| Wind | - | - |
| Wood/Wood Waste | 29 | 0.1 |
| MSW/Landfill Gas | 4 | * |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 119,459 | 100.0 |
| Total Renewable Net Generation | 7,400 | 6.2 |
| Geothermal | - | - |
| Hydro Conventional | 7,286 | 6.1 |
| Solar | 15 | * |
| Wind | - | - |
| Wood/Wood Waste | 76 | 0.1 |
| MSW Biogenic/Landfill Gas | 19 | * |
| 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: 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, 2004 - 2008 (Megawatts)

Arizona

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 17,561 | 18,077 | 18,784 | 18,756 | 18,942 |
| Coal | 5,404 | 5,430 | 5,830 | 5,818 | 5,818 |
| Petroleum | 112 | 112 | 90 | 93 | 93 |
| Natural Gas | 12,046 | 12,535 | 12,864 | 12,845 | 13,031 |
| Other Gases | - | - | - | - | - |
| Nuclear | 3,804 | 3,875 | 3,872 | 3,872 | 3,942 |
| Renewables | 2,722 | 2,736 | 2,736 | 2,736 | 2,762 |
| Pumped Storage | 216 | 216 | 216 | 216 | 216 |
| Other | - | - | - | - | - |
| Total | 24,303 | 24,904 | 25,608 | 25,579 | 25,861 |

- = 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, 2004 - 2008 (Megawatts)

Arizona

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 2,710 | 2,720 | 2,720 | 2,720 | 2,720 |
| Solar | 8 | 9 | 9 | 9 | 9 |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | - | 3 | 3 | 3 | 29 |
| MSW/Landfill Gas | 4 | 4 | 4 | 4 | 4 |
| Other Biomass | - | - | - | - | - |
| Total | 2,722 | 2,736 | 2,736 | 2,736 | 2,762 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Arizona

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 68,116 | 69,080 | 73,385 | 79,794 | 82,715 |
| Coal | 39,811 | 40,144 | 40,443 | 41,275 | 43,840 |
| Petroleum | 41 | 43 | 73 | 49 | 52 |
| Natural Gas | 28,265 | 28,893 | 32,869 | 38,469 | 38,822 |
| Other Gases | - | - | - | - | - |
| Nuclear | 28,113 | 25,807 | 24,012 | 26,782 | 29,250 |
| Renewables | 7,021 | 6,484 | 6,846 | 6,639 | 7,400 |
| Pumped Storage | -53 | 107 | 149 | 125 | 95 |
| Other | 1,368 | - | - | - | - |
| Total | 104,564 | 101,479 | 104,393 | 113,341 | 119,459 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Arizona

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 6,973 | 6,410 | 6,793 | 6,598 | 7,286 |
| Solar | 4 | 14 | 13 | 9 | 15 |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | - | 12 | 8 | - | 76 |
| MSW Biogenic/Landfill Gas | 44 | 45 | 28 | 29 | 19 |
| Other Biomass | s | 4 | 4 | 4 | 4 |
| Total | 7,021 | 6,484 | 6,846 | 6,639 | 7,400 |

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

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Arkansas

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 | 15,266 | 100.0 |
| Total Net Summer Renewable Capacity | 1,643 | 10.8 |
| Geothermal | - | - |
| Hydro Conventional | 1,321 | 8.7 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 312 | 2.0 |
| MSW/Landfill Gas | 5 | * |
| Other Biomass | 5 | * |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 55,051 | 100.0 |
| Total Renewable Net Generation | 6,173 | 11.2 |
| Geothermal | - | - |
| Hydro Conventional | 4,660 | 8.5 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 1,466 | 2.7 |
| MSW Biogenic/Landfill Gas | 36 | 0.1 |
| Other Biomass | 11 | * |

* = 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, 2004 - 2008 (Megawatts)

Arkansas

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 9,987 | 10,512 | 10,965 | 11,807 | 11,756 |
| Coal | 3,745 | 3,793 | 3,846 | 3,846 | 3,861 |
| Petroleum | 25 | 23 | 23 | 22 | 22 |
| Natural Gas | 6,218 | 6,696 | 7,096 | 7,939 | 7,873 |
| Other Gases | - | - | - | - | - |
| Nuclear | 1,837 | 1,834 | 1,824 | 1,838 | 1,839 |
| Renewables | 1,686 | 1,686 | 1,691 | 1,623 | 1,643 |
| Pumped Storage | 28 | 28 | 28 | 28 | 28 |
| Other | - | - | - | - | - |
| Total | 13,538 | 14,059 | 14,507 | 15,296 | 15,266 |

- = 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, 2004 - 2008 (Megawatts)

Arkansas

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,388 | 1,388 | 1,389 | 1,321 | 1,321 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 292 | 292 | 292 | 292 | 312 |
| MSW/Landfill Gas | - | - | 5 | 5 | 5 |
| Other Biomass | 6 | 6 | 6 | 6 | 5 |
| Total | 1,686 | 1,686 | 1,691 | 1,623 | 1,643 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Arkansas

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 30,961 | 29,251 | 33,626 | 34,203 | 34,639 |
| Coal | 25,354 | 23,037 | 24,183 | 25,744 | 26,115 |
| Petroleum | 539 | 208 | 161 | 94 | 64 |
| Natural Gas | 5,069 | 6,006 | 9,282 | 8,364 | 8,461 |
| Other Gases | - | - | - | - | - |
| Nuclear | 15,450 | 13,690 | 15,233 | 15,486 | 14,168 |
| Renewables | 5,454 | 4,818 | 3,273 | 4,860 | 6,173 |
| Pumped Storage | 25 | 21 | 15 | 30 | 48 |
| Other | 38 | 15 | 22 | 17 | 22 |
| Total | 51,928 | 47,795 | 52,169 | 54,596 | 55,051 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Arkansas

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 3,643 | 3,083 | 1,551 | 3,237 | 4,660 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 1,778 | 1,708 | 1,689 | 1,581 | 1,466 |
| MSW Biogenic/Landfill Gas | - | - | 7 | 33 | 36 |
| Other Biomass | 33 | 28 | 26 | 10 | 11 |
| Total | 5,454 | 4,818 | 3,273 | 4,860 | 6,173 |

- = 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.

Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

California

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 34,900 | 38,120 | 39,351 | 39,961 | 39,950 |
| Coal | 389 | 389 | 389 | 389 | 367 |
| Petroleum | 838 | 840 | 789 | 754 | 752 |
| Natural Gas | 33,438 | 36,700 | 38,001 | 38,556 | 38,635 |
| Other Gases | 235 | 191 | 171 | 262 | 197 |
| Nuclear | 4,324 | 4,324 | 4,390 | 4,390 | 4,390 |
| Renewables | 15,386 | 15,567 | 15,776 | 15,774 | 15,945 |
| Pumped Storage | 3,688 | 3,688 | 3,688 | 3,688 | 3,813 |
| Other | 8 | 8 | 8 | - | 7 |
| Total | 58,306 | 61,707 | 63,213 | 63,813 | 64,105 |

- = 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, 2004 - 2008 (Megawatts)

California

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Geothermal | 1,956 | 2,046 | 2,032 | 1,940 | 1,940 |
| Hydro Conventional | 10,078 | 10,088 | 10,083 | 10,041 | 10,122 |
| Solar | 390 | 402 | 402 | 404 | 416 |
| Wind | 2,023 | 2,052 | 2,255 | 2,312 | 2,368 |
| Wood/Wood Waste | 591 | 577 | 584 | 596 | 616 |
| MSW/Landfill Gas | 255 | 258 | 275 | 380 | 374 |
| Other Biomass | 93 | 145 | 145 | 102 | 109 |
| Total | 15,386 | 15,567 | 15,776 | 15,774 | 15,945 |

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, 2004 - 2008
(Thousand Megawatthours)**

California

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 106,789 | 100,313 | 112,317 | 122,151 | 125,699 |
| Coal | 2,238 | 2,135 | 2,235 | 2,298 | 2,280 |
| Petroleum | 2,263 | 2,544 | 2,368 | 2,334 | 1,742 |
| Natural Gas | 100,222 | 93,354 | 105,691 | 115,700 | 119,992 |
| Other Gases | 2,066 | 2,280 | 2,022 | 1,818 | 1,685 |
| Nuclear | 30,268 | 36,155 | 31,959 | 35,792 | 32,482 |
| Renewables | 58,112 | 63,286 | 71,963 | 52,173 | 48,912 |
| Pumped Storage | -817 | 120 | 96 | 310 | 321 |
| Other | 429 | 420 | 464 | 421 | 570 |
| Total | 194,780 | 200,293 | 216,799 | 210,848 | 207,984 |

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, 2004 - 2008
(Thousand Megawatthours)**

California

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|
| Geothermal | 13,105 | 13,023 | 12,821 | 12,991 | 12,883 |
| Hydro Conventional | 34,141 | 39,632 | 48,047 | 27,328 | 24,128 |
| Solar | 571 | 537 | 495 | 557 | 670 |
| Wind | 4,306 | 4,262 | 4,883 | 5,585 | 5,385 |
| Wood/Wood Waste | 3,827 | 3,609 | 3,422 | 3,407 | 3,484 |
| MSW Biogenic/Landfill Gas | 1,565 | 1,594 | 1,685 | 1,657 | 1,717 |
| Other Biomass | 597 | 629 | 610 | 648 | 645 |
| Total | 58,112 | 63,286 | 71,963 | 52,173 | 48,912 |

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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Colorado

| | | |
|---------------------------------------------------|---------------------|--------------------------------------|
| Primary Renewable Energy Capacity Source | Wind | |
| Primary Renewable Energy Generation Source | Wind | |
| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
| Total Net Summer Electricity Capacity | 12,545 | 100.0 |
| Total Net Summer Renewable Capacity | 1,753 | 14.0 |
| Geothermal | - | - |
| Hydro Conventional | 666 | 5.3 |
| Solar | 11 | 0.1 |
| Wind | 1,063 | 8.5 |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | 3 | * |
| Other Biomass | 10 | 0.1 |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 53,442 | 100.0 |
| Total Renewable Net Generation | 5,324 | 10.0 |
| Geothermal | - | - |
| Hydro Conventional | 2,039 | 3.8 |
| Solar | 18 | * |
| Wind | 3,221 | 6.0 |
| Wood/Wood Waste | s | * |
| MSW Biogenic/Landfill Gas | 8 | * |
| Other Biomass | 37 | 0.1 |

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

* = 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, 2004 - 2008 (Megawatts)

Colorado

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 9,642 | 9,635 | 9,644 | 9,979 | 10,229 |
| Coal | 4,931 | 4,928 | 4,939 | 4,961 | 4,965 |
| Petroleum | 210 | 183 | 181 | 182 | 184 |
| Natural Gas | 4,502 | 4,523 | 4,523 | 4,836 | 5,080 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 880 | 889 | 950 | 1,746 | 1,753 |
| Pumped Storage | 563 | 563 | 563 | 563 | 563 |
| Other | - | - | - | - | - |
| Total | 11,085 | 11,086 | 11,156 | 12,288 | 12,545 |

- = 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, 2004 - 2008 (Megawatts)

Colorado

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 643 | 652 | 652 | 665 | 666 |
| Solar | - | - | - | 8 | 11 |
| Wind | 227 | 228 | 289 | 1,063 | 1,063 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | - | - | - | - | 3 |
| Other Biomass | 10 | 10 | 10 | 10 | 10 |
| Total | 880 | 889 | 950 | 1,746 | 1,753 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Colorado

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 46,612 | 47,513 | 48,211 | 50,980 | 48,334 |
| Coal | 35,848 | 35,570 | 36,269 | 35,936 | 34,828 |
| Petroleum | 14 | 17 | 21 | 28 | 19 |
| Natural Gas | 10,747 | 11,923 | 11,919 | 15,014 | 13,487 |
| Other Gases | 2 | 2 | 3 | 2 | - |
| Nuclear | - | - | - | - | - |
| Renewables | 1,450 | 2,226 | 2,687 | 3,054 | 5,324 |
| Pumped Storage | -192 | -122 | -201 | -168 | -249 |
| Other | - | - | - | 41 | 33 |
| Total | 47,869 | 49,617 | 50,698 | 53,907 | 53,442 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Colorado

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,195 | 1,415 | 1,791 | 1,730 | 2,039 |
| Solar | - | - | - | 2 | 18 |
| Wind | 220 | 776 | 866 | 1,292 | 3,221 |
| Wood/Wood Waste | s | s | - | - | s |
| MSW Biogenic/Landfill Gas | - | - | - | - | 8 |
| Other Biomass | 35 | 34 | 31 | 31 | 37 |
| Total | 1,450 | 2,226 | 2,687 | 3,054 | 5,324 |

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

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Connecticut

| | |
|--------------------------------------------|---------------------------------------|
| Primary Renewable Energy Capacity Source | Municipal Solid Waste/Landfill Gas |
| Primary Renewable Energy Generation Source | Municipal Solid Waste/Landfill Gas |

| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
|------------------------------------------------|---------------|-----------------------------------|
| Total Net Summer Electricity Capacity | 7,824 | 100.0 |
| Total Net Summer Renewable Capacity | 287 | 3.7 |
| Geothermal | - | - |
| Hydro Conventional | 122 | 1.6 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | 166 | 2.1 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 30,409 | 100.0 |
| Total Renewable Net Generation | 1,290 | 4.2 |
| Geothermal | - | - |
| Hydro Conventional | 556 | 1.8 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 2 | * |
| MSW Biogenic/Landfill Gas | 732 | 2.4 |
| Other Biomass | - | 0.0 |

* = 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, 2004 - 2008 (Megawatts)

Connecticut

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 5,549 | 5,581 | 5,498 | 5,361 | 5,466 |
| Coal | 553 | 555 | 551 | 551 | 553 |
| Petroleum | 2,862 | 2,989 | 2,926 | 2,709 | 2,741 |
| Natural Gas | 2,134 | 2,037 | 2,020 | 2,100 | 2,171 |
| Other Gases | - | - | - | - | - |
| Nuclear | 2,037 | 2,037 | 2,037 | 2,022 | 2,015 |
| Renewables | 312 | 313 | 316 | 285 | 287 |
| Pumped Storage | 4 | 4 | 4 | 29 | 29 |
| Other | 27 | 27 | 27 | 27 | 27 |
| Total | 7,929 | 7,962 | 7,882 | 7,725 | 7,824 |

- = 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, 2004 - 2008 (Megawatts)

Connecticut

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 146 | 146 | 147 | 122 | 122 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | 166 | 166 | 170 | 163 | 166 |
| Other Biomass | - | - | - | - | - |
| Total | 312 | 313 | 316 | 285 | 287 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Connecticut

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 14,103 | 16,018 | 16,046 | 14,982 | 12,970 |
| Coal | 4,255 | 3,996 | 4,282 | 3,739 | 4,387 |
| Petroleum | 1,740 | 3,156 | 1,279 | 1,311 | 514 |
| Natural Gas | 8,108 | 8,864 | 10,484 | 9,930 | 8,070 |
| Other Gases | - | 2 | 2 | 2 | - |
| Nuclear | 16,539 | 15,562 | 16,589 | 16,386 | 15,433 |
| Renewables | 1,220 | 1,232 | 1,307 | 1,093 | 1,290 |
| Pumped Storage | 8 | -2 | - | -15 | 7 |
| Other | 763 | 740 | 739 | 726 | 710 |
| Total | 32,633 | 33,550 | 34,682 | 33,171 | 30,409 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Connecticut

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 463 | 478 | 544 | 363 | 556 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 5 | 7 | 9 | 2 | 2 |
| MSW Biogenic/Landfill Gas | 752 | 746 | 755 | 728 | 732 |
| Other Biomass | - | - | - | - | - |
| Total | 1,220 | 1,232 | 1,307 | 1,093 | 1,290 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Delaware

| | |
|--------------------------------------------|------------------------------------|
| Primary Renewable Energy Capacity Source | Municipal Solid Waste/Landfill Gas |
| Primary Renewable Energy Generation Source | Municipal Solid Waste/Landfill Gas |

| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
|------------------------------------------------|--------------|-------------------------------|
| Total Net Summer Electricity Capacity | 3,351 | 100.0 |
| Total Net Summer Renewable Capacity | 7 | 0.2 |
| Geothermal | - | - |
| Hydro Conventional | - | - |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | 7 | 0.2 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 7,524 | 100.0 |
| Total Renewable Net Generation | 163 | 2.2 |
| Geothermal | - | - |
| Hydro Conventional | - | - |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | - | - |
| MSW Biogenic/Landfill Gas | 163 | 2.2 |
| Other Biomass | - | 0.0 |

- = 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, 2004 - 2008 (Megawatts)

Delaware

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 3,428 | 3,365 | 3,367 | 3,350 | 3,344 |
| Coal | 1,070 | 1,083 | 1,083 | 1,083 | 1,083 |
| Petroleum | 695 | 695 | 695 | 698 | 557 |
| Natural Gas | 1,357 | 1,280 | 1,282 | 1,262 | 1,397 |
| Other Gases | 307 | 307 | 307 | 307 | 307 |
| Nuclear | - | - | - | - | - |
| Renewables | - | - | 7 | 7 | 7 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 3,428 | 3,365 | 3,374 | 3,357 | 3,351 |

- = 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, 2004 - 2008 (Megawatts)

Delaware

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | - | - | - | - | - |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | - | - | 7 | 7 | 7 |
| Other Biomass | - | - | - | - | - |
| Total | - | - | 7 | 7 | 7 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Delaware

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 7,856 | 8,137 | 7,182 | 8,486 | 7,350 |
| Coal | 4,744 | 4,833 | 4,969 | 5,622 | 5,267 |
| Petroleum | 1,104 | 1,220 | 132 | 241 | 219 |
| Natural Gas | 1,718 | 1,591 | 1,171 | 1,902 | 1,387 |
| Other Gases | 290 | 493 | 910 | 721 | 476 |
| Nuclear | - | - | - | - | - |
| Renewables | - | - | s | 48 | 163 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | 11 |
| Total | 7,856 | 8,137 | 7,182 | 8,534 | 7,524 |

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: 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, 2004 - 2008
(Thousand Megawatthours)**

Delaware

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | - | - | - | - | - |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | - | - | - | - | - |
| MSW Biogenic/Landfill Gas | - | - | s | 48 | 163 |
| Other Biomass | - | - | - | - | - |
| Total | - | - | s | 48 | 163 |

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

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

District of Columbia

| | | |
|---------------------------------------------------|---------------------|------------------------------------------|
| Primary Renewable Energy Capacity Source | - | |
| Primary Renewable Energy Generation Source | - | |
| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
| Total Net Summer Electricity Capacity | 790 | 100.0 |
| Total Net Summer Renewable Capacity | - | - |
| Geothermal | - | - |
| Hydro Conventional | - | - |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | - | - |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 72 | 100.0 |
| Total Renewable Net Generation | - | - |
| Geothermal | - | - |
| Hydro Conventional | - | - |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | - | - |
| MSW Biogenic/Landfill Gas | - | - |
| Other Biomass | - | - |

- = 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, 2004 - 2008 (Megawatts)

District of Columbia

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Fossil | 806 | 806 | 806 | 806 | 790 |
| Coal | - | - | - | - | - |
| Petroleum | 806 | 806 | 806 | 806 | 790 |
| Natural Gas | - | - | - | - | - |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | - | - | - | - | - |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 806 | 806 | 806 | 806 | 790 |

- = 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 4. State Total Electric Power Industry Net Generation, by Energy Source, 2004 - 2008 (Thousand Megawatthours)

District of Columbia

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Fossil | 36 | 226 | 81 | 75 | 72 |
| Coal | - | - | - | - | - |
| Petroleum | 36 | 226 | 81 | 75 | 72 |
| Natural Gas | - | - | - | - | - |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | - | - | - | - | - |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 36 | 226 | 81 | 75 | 72 |

- = 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 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

Florida

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 45,445 | 48,045 | 48,044 | 50,280 | 50,166 |
| Coal | 10,422 | 10,403 | 10,333 | 10,297 | 10,265 |
| Petroleum | 11,787 | 11,701 | 11,677 | 11,671 | 13,128 |
| Natural Gas | 23,236 | 25,941 | 26,035 | 28,312 | 26,773 |
| Other Gases | - | - | - | - | - |
| Nuclear | 3,902 | 3,902 | 3,902 | 3,902 | 3,924 |
| Renewables | 992 | 985 | 1,008 | 1,048 | 1,046 |
| Pumped Storage | - | - | - | - | - |
| Other | 315 | 289 | 251 | 222 | 324 |
| Total | 50,654 | 53,220 | 53,206 | 55,451 | 55,460 |

- = 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, 2004 - 2008 (Megawatts)

Florida

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 55 | 55 | 55 | 55 | 55 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 345 | 343 | 343 | 354 | 351 |
| MSW/Landfill Gas | 438 | 442 | 447 | 463 | 470 |
| Other Biomass | 154 | 145 | 163 | 176 | 171 |
| Total | 992 | 985 | 1,008 | 1,048 | 1,046 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Florida

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 178,709 | 183,325 | 184,530 | 188,433 | 180,167 |
| Coal | 64,862 | 62,515 | 65,423 | 67,908 | 64,823 |
| Petroleum | 37,255 | 37,201 | 22,904 | 20,203 | 11,971 |
| Natural Gas | 76,577 | 83,595 | 96,186 | 100,307 | 103,363 |
| Other Gases | 15 | 13 | 17 | 15 | 10 |
| Nuclear | 31,216 | 28,759 | 31,426 | 29,289 | 32,133 |
| Renewables | 4,767 | 4,593 | 4,534 | 4,457 | 4,509 |
| Pumped Storage | - | - | - | - | - |
| Other | 3,427 | 3,579 | 3,261 | 3,236 | 2,827 |
| Total | 218,118 | 220,256 | 223,752 | 225,416 | 219,637 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Florida

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 265 | 266 | 203 | 154 | 206 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 2,216 | 2,022 | 1,979 | 1,930 | 1,969 |
| MSW Biogenic/Landfill Gas | 1,767 | 1,775 | 1,825 | 1,794 | 1,726 |
| Other Biomass | 518 | 530 | 526 | 579 | 608 |
| Total | 4,767 | 4,593 | 4,534 | 4,457 | 4,509 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Georgia

| | | | |
|---------------------------------------------------|---------------------|--------------------------------|---------------------|
| 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 | 36,456 | 100.0 | |
| Total Net Summer Renewable Capacity | 2,642 | 7.2 | |
| Geothermal | - | - | |
| Hydro Conventional | 2,041 | 5.6 | |
| Solar | - | - | |
| Wind | - | - | |
| Wood/Wood Waste | 591 | 1.6 | |
| MSW/Landfill Gas | 10 | * | |
| Other Biomass | - | - | |
| <u>Generation (thousand megawatthours)</u> | | | |
| Total Electricity Net Generation | 136,173 | 100.0 | |
| Total Renewable Net Generation | 4,927 | 3.6 | |
| Geothermal | - | - | |
| Hydro Conventional | 2,145 | 1.6 | |
| Solar | - | - | |
| Wind | - | - | |
| Wood/Wood Waste | 2,660 | 2.0 | |
| MSW Biogenic/Landfill Gas | 31 | * | |
| Other Biomass | 90 | 0.1 | |

* = 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: 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, 2004 - 2008 (Megawatts)

Georgia

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 27,093 | 28,283 | 28,238 | 28,096 | 28,078 |
| Coal | 13,488 | 13,465 | 13,438 | 13,275 | 13,256 |
| Petroleum | 1,252 | 2,185 | 2,182 | 2,169 | 2,187 |
| Natural Gas | 12,353 | 12,633 | 12,618 | 12,652 | 12,635 |
| Other Gases | - | - | - | - | - |
| Nuclear | 4,053 | 4,060 | 4,060 | 3,995 | 4,061 |
| Renewables | 2,517 | 2,513 | 2,526 | 2,706 | 2,642 |
| Pumped Storage | 1,675 | 1,675 | 1,675 | 1,675 | 1,675 |
| Other | - | - | - | - | - |
| Total | 35,338 | 36,531 | 36,499 | 36,472 | 36,456 |

- = 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, 2004 - 2008 (Megawatts)

Georgia

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|--------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 2,012 | 2,014 | 2,027 | 2,032 | 2,041 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 457 | 450 | 450 | 621 | 591 |
| MSW/Landfill Gas | 5 | 5 | 5 | 10 | 10 |
| Other Biomass | 44 | 44 | 44 | 44 | - |
| Total | 2,517 | 2,513 | 2,526 | 2,706 | 2,642 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Georgia

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 87,019 | 97,986 | 100,299 | 107,165 | 99,661 |
| Coal | 79,943 | 87,182 | 86,504 | 90,298 | 85,491 |
| Petroleum | 947 | 1,033 | 834 | 788 | 742 |
| Natural Gas | 6,130 | 9,771 | 12,961 | 16,079 | 13,428 |
| Other Gases | - | - | - | - | - |
| Nuclear | 33,748 | 31,534 | 32,006 | 32,545 | 31,691 |
| Renewables | 6,884 | 7,304 | 5,988 | 5,652 | 4,927 |
| Pumped Storage | -878 | -209 | -400 | -322 | -157 |
| Other | 40 | 53 | 118 | 115 | 51 |
| Total | 126,813 | 136,668 | 138,010 | 145,155 | 136,173 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Georgia

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 3,692 | 4,032 | 2,569 | 2,236 | 2,145 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 3,108 | 3,195 | 3,362 | 3,362 | 2,660 |
| MSW Biogenic/Landfill Gas | 18 | 28 | 25 | 16 | 31 |
| Other Biomass | 66 | 49 | 32 | 37 | 90 |
| Total | 6,884 | 7,304 | 5,988 | 5,652 | 4,927 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Hawaii

| | | |
|---------------------------------------------------|---------------------|--------------------------------------|
| Primary Renewable Energy Capacity Source | Wind | |
| Primary Renewable Energy Generation Source | Wind | |
| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
| Total Net Summer Electricity Capacity | 2,437 | 100.0 |
| Total Net Summer Renewable Capacity | 228 | 9.4 |
| Geothermal | 31 | 1.3 |
| Hydro Conventional | 24 | 1.0 |
| Solar | 1 | * |
| Wind | 64 | 2.6 |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | 60 | 2.5 |
| Other Biomass | 49 | 2.0 |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 11,376 | 100.0 |
| Total Renewable Net Generation | 861 | 7.6 |
| Geothermal | 234 | 2.1 |
| Hydro Conventional | 84 | 0.7 |
| Solar | s | * |
| Wind | 240 | 2.1 |
| Wood/Wood Waste | - | - |
| MSW Biogenic/Landfill Gas | 184 | 1.6 |
| Other Biomass | 118 | 1.0 |

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

* = 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, 2004 - 2008 (Megawatts)

Hawaii

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 2,138 | 2,183 | 2,208 | 2,209 | 2,208 |
| Coal | 180 | 180 | 180 | 180 | 180 |
| Petroleum | 1,949 | 1,994 | 2,019 | 2,020 | 2,019 |
| Natural Gas | - | - | - | - | - |
| Other Gases | 9 | 9 | 9 | 9 | 9 |
| Nuclear | - | - | - | - | - |
| Renewables | 173 | 175 | 206 | 227 | 228 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 2,311 | 2,358 | 2,414 | 2,436 | 2,437 |

- = 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, 2004 - 2008 (Megawatts)

Hawaii

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | 31 | 31 | 31 | 31 | 31 |
| Hydro Conventional | 22 | 24 | 24 | 24 | 24 |
| Solar | - | - | - | - | 1 |
| Wind | 11 | 11 | 43 | 64 | 64 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | 60 | 60 | 60 | 60 | 60 |
| Other Biomass | 49 | 49 | 49 | 49 | 49 |
| Total | 173 | 175 | 206 | 227 | 228 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Hawaii

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 10,596 | 10,740 | 10,646 | 10,538 | 10,356 |
| Coal | 1,604 | 1,631 | 1,549 | 1,579 | 1,648 |
| Petroleum | 8,945 | 9,068 | 9,054 | 8,914 | 8,670 |
| Natural Gas | - | - | - | - | - |
| Other Gases | 48 | 41 | 43 | 45 | 39 |
| Nuclear | - | - | - | - | - |
| Renewables | 644 | 634 | 738 | 846 | 861 |
| Pumped Storage | - | - | - | - | - |
| Other | 171 | 149 | 176 | 149 | 159 |
| Total | 11,410 | 11,523 | 11,559 | 11,533 | 11,376 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Hawaii

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | 213 | 222 | 212 | 230 | 234 |
| Hydro Conventional | 94 | 96 | 120 | 92 | 84 |
| Solar | - | - | - | - | s |
| Wind | 7 | 7 | 80 | 238 | 240 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW Biogenic/Landfill Gas | 178 | 163 | 189 | 169 | 184 |
| Other Biomass | 151 | 147 | 137 | 116 | 118 |
| Total | 644 | 634 | 738 | 846 | 861 |

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

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Idaho

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 | 3,378 | 100.0 |
| Total Net Summer Renewable Capacity | 2,535 | 75.1 |
| Geothermal | 10 | 0.3 |
| Hydro Conventional | 2,346 | 69.5 |
| Solar | - | - |
| Wind | 117 | 3.5 |
| Wood/Wood Waste | 63 | 1.9 |
| MSW/Landfill Gas | - | - |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 11,971 | 100.0 |
| Total Renewable Net Generation | 10,111 | 84.5 |
| Geothermal | 86 | 0.7 |
| Hydro Conventional | 9,363 | 78.2 |
| Solar | - | - |
| Wind | 207 | 1.7 |
| Wood/Wood Waste | 455 | 3.8 |
| MSW Biogenic/Landfill Gas | - | - |
| Other Biomass | - | - |

- = 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, 2004 - 2008 (Megawatts)

Idaho

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 503 | 667 | 667 | 667 | 828 |
| Coal | 17 | 17 | 17 | 17 | 17 |
| Petroleum | 5 | 5 | 5 | 5 | 5 |
| Natural Gas | 481 | 645 | 645 | 645 | 805 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 2,468 | 2,478 | 2,528 | 2,514 | 2,535 |
| Pumped Storage | - | - | - | - | - |
| Other | 15 | 15 | 15 | 15 | 15 |
| Total | 2,986 | 3,160 | 3,210 | 3,196 | 3,378 |

- = 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, 2004 - 2008 (Megawatts)

Idaho

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | 10 |
| Hydro Conventional | 2,391 | 2,390 | 2,378 | 2,367 | 2,346 |
| Solar | - | - | - | - | - |
| Wind | - | 11 | 75 | 75 | 117 |
| Wood/Wood Waste | 77 | 78 | 75 | 71 | 63 |
| MSW/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 2,468 | 2,478 | 2,528 | 2,514 | 2,535 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Idaho

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 1,803 | 1,692 | 1,381 | 1,741 | 1,790 |
| Coal | 99 | 95 | 82 | 84 | 90 |
| Petroleum | s | s | s | s | s |
| Natural Gas | 1,704 | 1,597 | 1,298 | 1,657 | 1,700 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 9,022 | 9,102 | 11,932 | 9,675 | 10,111 |
| Pumped Storage | - | - | - | - | - |
| Other | 38 | 31 | 73 | 69 | 70 |
| Total | 10,863 | 10,825 | 13,386 | 11,484 | 11,971 |

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: 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, 2004 - 2008
(Thousand Megawatthours)**

Idaho

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|---------------|--------------|---------------|
| Geothermal | - | - | - | - | 86 |
| Hydro Conventional | 8,462 | 8,542 | 11,242 | 9,022 | 9,363 |
| Solar | - | - | - | - | - |
| Wind | - | - | 170 | 172 | 207 |
| Wood/Wood Waste | 560 | 560 | 520 | 481 | 455 |
| MSW Biogenic/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 9,022 | 9,102 | 11,932 | 9,675 | 10,111 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Illinois

| | | |
|---------------------------------------------------|---------------------|--------------------------------------|
| Primary Renewable Energy Capacity Source | Wind | |
| Primary Renewable Energy Generation Source | Wind | |
| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
| Total Net Summer Electricity Capacity | 43,206 | 100.0 |
| Total Net Summer Renewable Capacity | 1,145 | 2.7 |
| Geothermal | - | - |
| Hydro Conventional | 34 | 0.1 |
| Solar | - | - |
| Wind | 962 | 2.2 |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | 150 | 0.3 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 199,475 | 100.0 |
| Total Renewable Net Generation | 3,174 | 1.6 |
| Geothermal | - | - |
| Hydro Conventional | 139 | 0.1 |
| Solar | - | - |
| Wind | 2,337 | 1.2 |
| Wood/Wood Waste | 1 | * |
| MSW Biogenic/Landfill Gas | 697 | 0.3 |
| Other Biomass | s | * |

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

* = 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, 2004 - 2008 (Megawatts)

Illinois

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 30,416 | 30,856 | 30,626 | 30,435 | 30,662 |
| Coal | 15,691 | 15,789 | 15,731 | 15,582 | 15,653 |
| Petroleum | 1,155 | 1,154 | 1,143 | 1,097 | 1,099 |
| Natural Gas | 13,522 | 13,867 | 13,705 | 13,709 | 13,870 |
| Other Gases | 47 | 47 | 47 | 47 | 40 |
| Nuclear | 11,379 | 11,388 | 11,379 | 11,379 | 11,379 |
| Renewables | 217 | 265 | 264 | 916 | 1,145 |
| Pumped Storage | - | - | - | - | - |
| Other | 20 | 20 | 20 | - | 20 |
| Total | 42,032 | 42,530 | 42,289 | 42,731 | 43,206 |

- = 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, 2004 - 2008 (Megawatts)

Illinois

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 33 | 33 | 33 | 33 | 34 |
| Solar | - | - | - | - | - |
| Wind | 50 | 105 | 105 | 740 | 962 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | 106 | 100 | 111 | 131 | 150 |
| Other Biomass | 28 | 28 | 15 | 13 | - |
| Total | 217 | 265 | 264 | 916 | 1,145 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Illinois

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 98,803 | 99,905 | 97,212 | 103,072 | 101,101 |
| Coal | 94,402 | 92,265 | 91,649 | 95,265 | 96,644 |
| Petroleum | 762 | 327 | 136 | 132 | 143 |
| Natural Gas | 3,393 | 7,114 | 5,279 | 7,542 | 4,260 |
| Other Gases | 246 | 199 | 149 | 134 | 54 |
| Nuclear | 92,047 | 93,263 | 94,154 | 95,729 | 95,152 |
| Renewables | 976 | 912 | 1,022 | 1,438 | 3,174 |
| Pumped Storage | - | - | - | - | - |
| Other | 132 | 40 | 38 | 21 | 49 |
| Total | 191,958 | 194,120 | 192,427 | 200,261 | 199,475 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Illinois

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|-------------|-------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 154 | 129 | 173 | 154 | 139 |
| Solar | - | - | - | - | - |
| Wind | 78 | 141 | 255 | 664 | 2,337 |
| Wood/Wood Waste | - | - | - | - | 1 |
| MSW Biogenic/Landfill Gas | 607 | 593 | 582 | 603 | 697 |
| Other Biomass | 137 | 48 | 12 | 17 | s |
| Total | 976 | 912 | 1,022 | 1,438 | 3,174 |

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

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Indiana

Primary Renewable Energy Capacity Source
 Primary Renewable Energy Generation Source

Wind
 Hydro Conventional

| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
|------------------------------------------------|----------------|-------------------------------|
| Total Net Summer Electricity Capacity | 27,079 | 100.0 |
| Total Net Summer Renewable Capacity | 229 | 0.8 |
| Geothermal | - | - |
| Hydro Conventional | 60 | 0.2 |
| Solar | - | - |
| Wind | 131 | 0.5 |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | 39 | 0.1 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 129,510 | 100.0 |
| Total Renewable Net Generation | 948 | 0.7 |
| Geothermal | - | - |
| Hydro Conventional | 437 | 0.3 |
| Solar | - | - |
| Wind | 238 | 0.2 |
| Wood/Wood Waste | - | - |
| MSW Biogenic/Landfill Gas | 273 | 0.2 |
| Other Biomass | - | - |

- = 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, 2004 - 2008 (Megawatts)

Indiana

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 26,656 | 26,906 | 26,899 | 26,922 | 26,850 |
| Coal | 19,716 | 19,745 | 19,718 | 19,759 | 19,721 |
| Petroleum | 490 | 490 | 503 | 503 | 503 |
| Natural Gas | 5,826 | 6,054 | 6,052 | 6,048 | 6,007 |
| Other Gases | 624 | 617 | 626 | 612 | 618 |
| Nuclear | - | - | - | - | - |
| Renewables | 78 | 78 | 91 | 99 | 229 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 26,734 | 26,984 | 26,990 | 27,021 | 27,079 |

- = 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, 2004 - 2008 (Megawatts)

Indiana

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 59 | 60 | 60 | 60 | 60 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | 131 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | 19 | 19 | 31 | 39 | 39 |
| Other Biomass | - | - | - | - | - |
| Total | 78 | 78 | 91 | 99 | 229 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Indiana

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 126,671 | 129,431 | 129,345 | 129,576 | 128,206 |
| Coal | 120,671 | 122,833 | 123,645 | 122,803 | 122,036 |
| Petroleum | 425 | 261 | 148 | 170 | 178 |
| Natural Gas | 2,438 | 3,615 | 2,682 | 4,012 | 3,636 |
| Other Gases | 3,136 | 2,722 | 2,870 | 2,591 | 2,356 |
| Nuclear | - | - | - | - | - |
| Renewables | 581 | 506 | 710 | 681 | 948 |
| Pumped Storage | - | - | - | - | - |
| Other | 519 | 434 | 435 | 381 | 356 |
| Total | 127,770 | 130,372 | 130,490 | 130,638 | 129,510 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Indiana

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 444 | 438 | 490 | 450 | 437 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | 238 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW Biogenic/Landfill Gas | 137 | 68 | 220 | 231 | 273 |
| Other Biomass | - | - | - | - | - |
| Total | 581 | 506 | 710 | 681 | 948 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Iowa

| | | |
|---------------------------------------------------|---------------------|--------------------------------------|
| Primary Renewable Energy Capacity Source | Wind | |
| Primary Renewable Energy Generation Source | Wind | |
| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
| Total Net Summer Electricity Capacity | 13,711 | 100.0 |
| Total Net Summer Renewable Capacity | 2,791 | 20.4 |
| Geothermal | - | - |
| Hydro Conventional | 142 | 1.0 |
| Solar | - | - |
| Wind | 2,635 | 19.2 |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | 11 | 0.1 |
| Other Biomass | 3 | * |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 53,087 | 100.0 |
| Total Renewable Net Generation | 5,070 | 9.6 |
| Geothermal | - | - |
| Hydro Conventional | 819 | 1.5 |
| Solar | - | - |
| Wind | 4,084 | 7.7 |
| Wood/Wood Waste | s | * |
| MSW Biogenic/Landfill Gas | 98 | 0.2 |
| Other Biomass | 69 | 0.1 |

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

* = 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, 2004 - 2008 (Megawatts)

Iowa

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 9,539 | 9,545 | 9,496 | 10,391 | 10,340 |
| Coal | 6,157 | 6,137 | 6,097 | 6,967 | 6,928 |
| Petroleum | 996 | 1,028 | 1,027 | 1,023 | 1,017 |
| Natural Gas | 2,386 | 2,381 | 2,371 | 2,402 | 2,395 |
| Other Gases | - | - | - | - | - |
| Nuclear | 563 | 581 | 581 | 580 | 580 |
| Renewables | 771 | 961 | 1,067 | 1,316 | 2,791 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 10,873 | 11,087 | 11,143 | 12,287 | 13,711 |

- = 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, 2004 - 2008 (Megawatts)

Iowa

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 140 | 131 | 131 | 131 | 142 |
| Solar | - | - | - | - | - |
| Wind | 621 | 820 | 921 | 1,170 | 2,635 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | 6 | 6 | 11 | 11 | 11 |
| Other Biomass | 3 | 3 | 3 | 3 | 3 |
| Total | 771 | 961 | 1,067 | 1,316 | 2,791 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Iowa

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 36,206 | 36,883 | 37,014 | 41,388 | 42,734 |
| Coal | 35,272 | 34,252 | 34,405 | 37,986 | 40,410 |
| Petroleum | 109 | 150 | 208 | 312 | 161 |
| Natural Gas | 825 | 2,481 | 2,400 | 3,091 | 2,163 |
| Other Gases | - | - | - | - | - |
| Nuclear | 4,929 | 4,538 | 5,095 | 4,519 | 5,282 |
| Renewables | 2,102 | 2,724 | 3,364 | 3,870 | 5,070 |
| Pumped Storage | - | - | - | - | - |
| Other | 12 | 12 | 10 | 12 | s |
| Total | 43,248 | 44,156 | 45,483 | 49,789 | 53,087 |

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: 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, 2004 - 2008
(Thousand Megawatthours)**

Iowa

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 946 | 960 | 909 | 962 | 819 |
| Solar | - | - | - | - | - |
| Wind | 1,050 | 1,647 | 2,318 | 2,757 | 4,084 |
| Wood/Wood Waste | - | - | - | s | s |
| MSW Biogenic/Landfill Gas | 74 | 82 | 100 | 123 | 98 |
| Other Biomass | 31 | 35 | 37 | 28 | 69 |
| Total | 2,102 | 2,724 | 3,364 | 3,870 | 5,070 |

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

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Kansas

| | | |
|---------------------------------------------------|---------------------|--------------------------------------|
| Primary Renewable Energy Capacity Source | Wind | |
| Primary Renewable Energy Generation Source | Wind | |
| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
| Total Net Summer Electricity Capacity | 11,992 | 100.0 |
| Total Net Summer Renewable Capacity | 815 | 6.8 |
| Geothermal | - | - |
| Hydro Conventional | 3 | * |
| Solar | - | - |
| Wind | 812 | 6.8 |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | - | - |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 46,630 | 100.0 |
| Total Renewable Net Generation | 1,770 | 3.8 |
| Geothermal | - | - |
| Hydro Conventional | 11 | * |
| Solar | - | - |
| Wind | 1,759 | 3.8 |
| Wood/Wood Waste | - | - |
| MSW Biogenic/Landfill Gas | - | - |
| Other Biomass | - | - |

* = 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, 2004 - 2008 (Megawatts)

Kansas

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 9,568 | 9,597 | 9,592 | 9,709 | 10,017 |
| Coal | 5,222 | 5,250 | 5,203 | 5,208 | 5,190 |
| Petroleum | 587 | 583 | 565 | 569 | 564 |
| Natural Gas | 3,759 | 3,764 | 3,824 | 3,932 | 4,262 |
| Other Gases | - | - | - | - | - |
| Nuclear | 1,166 | 1,166 | 1,166 | 1,166 | 1,160 |
| Renewables | 116 | 266 | 366 | 366 | 815 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 10,850 | 11,029 | 11,124 | 11,241 | 11,992 |

- = 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: 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, 2004 - 2008 (Megawatts)

Kansas

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 3 | 3 | 3 | 3 | 3 |
| Solar | - | - | - | - | - |
| Wind | 113 | 263 | 363 | 363 | 812 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 116 | 266 | 366 | 366 | 815 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Kansas

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 36,279 | 36,605 | 35,172 | 38,590 | 36,363 |
| Coal | 34,593 | 34,481 | 33,281 | 36,250 | 34,003 |
| Petroleum | 854 | 986 | 51 | 207 | 130 |
| Natural Gas | 832 | 1,137 | 1,839 | 2,133 | 2,230 |
| Other Gases | - | - | - | - | - |
| Nuclear | 10,133 | 8,821 | 9,350 | 10,369 | 8,497 |
| Renewables | 371 | 437 | 1,002 | 1,163 | 1,770 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 46,783 | 45,863 | 45,524 | 50,122 | 46,630 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Kansas

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|-------------|-------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 13 | 11 | 10 | 11 | 11 |
| Solar | - | - | - | - | - |
| Wind | 359 | 426 | 992 | 1,153 | 1,759 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW Biogenic/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 371 | 437 | 1,002 | 1,163 | 1,770 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Kentucky

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 | 19,902 | 100.0 |
| Total Net Summer Renewable Capacity | 886 | 4.5 |
| Geothermal | - | - |
| Hydro Conventional | 824 | 4.1 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 47 | 0.2 |
| MSW/Landfill Gas | 15 | 0.1 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 97,863 | 100.0 |
| Total Renewable Net Generation | 2,377 | 2.4 |
| Geothermal | - | - |
| Hydro Conventional | 1,917 | 2.0 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 351 | 0.4 |
| MSW Biogenic/Landfill Gas | 105 | 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: 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, 2004 - 2008 (Megawatts)

Kentucky

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 18,758 | 19,131 | 19,177 | 19,088 | 19,016 |
| Coal | 14,157 | 14,337 | 14,386 | 14,374 | 14,301 |
| Petroleum | 137 | 137 | 135 | 77 | 77 |
| Natural Gas | 4,464 | 4,657 | 4,656 | 4,638 | 4,638 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 869 | 870 | 871 | 880 | 886 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 19,627 | 20,001 | 20,047 | 19,968 | 19,902 |

- = 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, 2004 - 2008 (Megawatts)

Kentucky

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 817 | 817 | 815 | 817 | 824 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 43 | 43 | 43 | 47 | 47 |
| MSW/Landfill Gas | 9 | 10 | 12 | 15 | 15 |
| Other Biomass | - | - | - | - | - |
| Total | 869 | 870 | 871 | 880 | 886 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Kentucky

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 90,323 | 94,423 | 95,720 | 95,075 | 95,478 |
| Coal | 86,121 | 89,083 | 91,198 | 90,483 | 91,621 |
| Petroleum | 3,621 | 3,681 | 3,341 | 2,791 | 2,874 |
| Natural Gas | 580 | 1,654 | 1,177 | 1,796 | 979 |
| Other Gases | 2 | 5 | 4 | 5 | 4 |
| Nuclear | - | - | - | - | - |
| Renewables | 4,191 | 3,383 | 3,050 | 2,134 | 2,377 |
| Pumped Storage | - | - | - | - | - |
| Other | 16 | 17 | 22 | 16 | 9 |
| Total | 94,530 | 97,822 | 98,792 | 97,225 | 97,863 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Kentucky

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 3,780 | 2,961 | 2,592 | 1,669 | 1,917 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 349 | 358 | 369 | 370 | 351 |
| MSW Biogenic/Landfill Gas | 57 | 62 | 88 | 93 | 105 |
| Other Biomass | 5 | 1 | 2 | 2 | 4 |
| Total | 4,191 | 3,383 | 3,050 | 2,134 | 2,377 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Louisiana

Primary Renewable Energy Capacity Source Wood/Wood Waste
 Primary Renewable Energy Generation Source Wood/Wood Waste

| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
|------------------------------------------------|---------------|-----------------------------------|
| Total Net Summer Electricity Capacity | 26,183 | 100.0 |
| Total Net Summer Renewable Capacity | 586 | 2.2 |
| Geothermal | - | - |
| Hydro Conventional | 192 | 0.7 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 380 | 1.5 |
| MSW/Landfill Gas | - | - |
| Other Biomass | 14 | 0.1 |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 92,453 | 100.0 |
| Total Renewable Net Generation | 3,774 | 4.1 |
| Geothermal | - | - |
| Hydro Conventional | 1,064 | 1.2 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 2,639 | 2.9 |
| MSW Biogenic/Landfill Gas | - | - |
| Other Biomass | 71 | 0.1 |

- = 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, 2004 - 2008 (Megawatts)

Louisiana

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 23,806 | 23,898 | 23,904 | 23,379 | 23,207 |
| Coal | 3,453 | 3,453 | 3,453 | 3,482 | 3,482 |
| Petroleum | 285 | 285 | 285 | 346 | 346 |
| Natural Gas | 20,004 | 20,096 | 19,980 | 19,384 | 19,345 |
| Other Gases | 65 | 64 | 186 | 167 | 34 |
| Nuclear | 2,055 | 2,124 | 2,119 | 2,127 | 2,154 |
| Renewables | 527 | 525 | 525 | 586 | 586 |
| Pumped Storage | - | - | - | - | - |
| Other | 77 | 238 | 238 | 231 | 236 |
| Total | 26,465 | 26,785 | 26,786 | 26,323 | 26,183 |

- = 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, 2004 - 2008 (Megawatts)

Louisiana

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 192 | 192 | 192 | 192 | 192 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 318 | 318 | 318 | 380 | 380 |
| MSW/Landfill Gas | - | - | - | - | - |
| Other Biomass | 17 | 15 | 15 | 14 | 14 |
| Total | 527 | 525 | 525 | 586 | 586 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Louisiana

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 76,264 | 72,693 | 69,795 | 71,028 | 72,850 |
| Coal | 23,658 | 23,087 | 24,395 | 23,051 | 24,100 |
| Petroleum | 3,903 | 3,541 | 1,872 | 2,251 | 2,305 |
| Natural Gas | 46,170 | 44,168 | 41,933 | 43,915 | 45,344 |
| Other Gases | 2,533 | 1,897 | 1,595 | 1,811 | 1,101 |
| Nuclear | 17,080 | 15,676 | 16,735 | 17,078 | 15,371 |
| Renewables | 4,065 | 3,698 | 3,676 | 3,807 | 3,774 |
| Pumped Storage | - | - | - | - | - |
| Other | 764 | 550 | 715 | 666 | 458 |
| Total | 98,172 | 92,617 | 90,922 | 92,578 | 92,453 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Louisiana

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,099 | 811 | 713 | 827 | 1,064 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 2,890 | 2,806 | 2,881 | 2,898 | 2,639 |
| MSW Biogenic/Landfill Gas | - | - | - | - | - |
| Other Biomass | 77 | 80 | 81 | 82 | 71 |
| Total | 4,065 | 3,698 | 3,676 | 3,807 | 3,774 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Maine

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 | 4,239 | 100.0 |
| Total Net Summer Renewable Capacity | 1,478 | 34.9 |
| Geothermal | - | - |
| Hydro Conventional | 730 | 17.2 |
| Solar | - | - |
| Wind | 47 | 1.1 |
| Wood/Wood Waste | 612 | 14.4 |
| MSW/Landfill Gas | 53 | 1.3 |
| Other Biomass | 36 | 0.8 |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 17,095 | 100.0 |
| Total Renewable Net Generation | 8,515 | 49.8 |
| Geothermal | - | - |
| Hydro Conventional | 4,457 | 26.1 |
| Solar | - | - |
| Wind | 132 | 0.8 |
| Wood/Wood Waste | 3,669 | 21.5 |
| MSW Biogenic/Landfill Gas | 206 | 1.2 |
| Other Biomass | 52 | 0.3 |

- = 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, 2004 - 2008 (Megawatts)

Maine

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 2,772 | 2,772 | 2,770 | 2,751 | 2,761 |
| Coal | 85 | 85 | 85 | 85 | 85 |
| Petroleum | 1,029 | 1,030 | 1,030 | 1,031 | 1,031 |
| Natural Gas | 1,658 | 1,658 | 1,655 | 1,636 | 1,645 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 1,418 | 1,413 | 1,418 | 1,462 | 1,478 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 4,190 | 4,185 | 4,187 | 4,213 | 4,239 |

- = 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, 2004 - 2008 (Megawatts)

Maine

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 722 | 720 | 719 | 718 | 730 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | 42 | 47 |
| Wood/Wood Waste | 642 | 605 | 609 | 612 | 612 |
| MSW/Landfill Gas | 53 | 53 | 53 | 53 | 53 |
| Other Biomass | - | 35 | 36 | 36 | 36 |
| Total | 1,418 | 1,413 | 1,418 | 1,462 | 1,478 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Maine

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 11,504 | 10,340 | 8,214 | 7,869 | 8,264 |
| Coal | 359 | 320 | 321 | 376 | 352 |
| Petroleum | 1,312 | 1,621 | 595 | 818 | 533 |
| Natural Gas | 9,832 | 8,398 | 7,298 | 6,675 | 7,380 |
| Other Gases | s | s | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 7,028 | 8,159 | 8,246 | 7,945 | 8,515 |
| Pumped Storage | - | - | - | - | - |
| Other | 567 | 345 | 356 | 315 | 315 |
| Total | 19,099 | 18,844 | 16,816 | 16,129 | 17,095 |

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: 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, 2004 - 2008
(Thousand Megawatthours)**

Maine

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 3,430 | 4,091 | 4,278 | 3,738 | 4,457 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | 99 | 132 |
| Wood/Wood Waste | 3,187 | 3,778 | 3,685 | 3,848 | 3,669 |
| MSW Biogenic/Landfill Gas | 220 | 234 | 235 | 208 | 206 |
| Other Biomass | 191 | 56 | 48 | 52 | 52 |
| Total | 7,028 | 8,159 | 8,246 | 7,945 | 8,515 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Maryland

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 | 12,585 | 100.0 |
| Total Net Summer Renewable Capacity | 725 | 5.8 |
| Geothermal | - | - |
| Hydro Conventional | 590 | 4.7 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 3 | * |
| MSW/Landfill Gas | 132 | 1.1 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 47,361 | 100.0 |
| Total Renewable Net Generation | 2,587 | 5.5 |
| Geothermal | - | - |
| Hydro Conventional | 1,974 | 4.2 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 198 | 0.4 |
| MSW Biogenic/Landfill Gas | 415 | 0.9 |
| Other Biomass | - | - |

* = 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, 2004 - 2008 (Megawatts)

Maryland

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 10,071 | 10,075 | 10,071 | 10,028 | 10,125 |
| Coal | 4,958 | 4,958 | 4,958 | 4,958 | 4,944 |
| Petroleum | 3,422 | 3,422 | 3,140 | 2,965 | 2,991 |
| Natural Gas | 1,538 | 1,542 | 1,821 | 1,953 | 2,038 |
| Other Gases | 152 | 152 | 152 | 152 | 152 |
| Nuclear | 1,735 | 1,735 | 1,735 | 1,735 | 1,735 |
| Renewables | 693 | 693 | 693 | 723 | 725 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 12,499 | 12,503 | 12,500 | 12,486 | 12,585 |

- = 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, 2004 - 2008 (Megawatts)

Maryland

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 566 | 566 | 566 | 590 | 590 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 2 | 2 | 2 | 3 | 3 |
| MSW/Landfill Gas | 125 | 125 | 126 | 130 | 132 |
| Other Biomass | - | - | - | - | - |
| Total | 693 | 693 | 693 | 723 | 725 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Maryland

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 34,087 | 35,338 | 32,091 | 33,303 | 29,810 |
| Coal | 29,195 | 29,303 | 29,408 | 29,699 | 27,218 |
| Petroleum | 3,297 | 3,806 | 581 | 985 | 406 |
| Natural Gas | 1,183 | 1,887 | 1,770 | 2,241 | 1,848 |
| Other Gases | 412 | 342 | 332 | 378 | 338 |
| Nuclear | 14,580 | 14,703 | 13,830 | 14,353 | 14,679 |
| Renewables | 3,097 | 2,327 | 2,730 | 2,256 | 2,587 |
| Pumped Storage | - | - | - | - | - |
| Other | 289 | 294 | 305 | 287 | 286 |
| Total | 52,053 | 52,662 | 48,957 | 50,198 | 47,361 |

- = 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: 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, 2004 - 2008
(Thousand Megawatthours)**

Maryland

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 2,508 | 1,704 | 2,104 | 1,652 | 1,974 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 192 | 206 | 218 | 203 | 198 |
| MSW Biogenic/Landfill Gas | 397 | 417 | 408 | 400 | 415 |
| Other Biomass | - | - | - | - | - |
| Total | 3,097 | 2,327 | 2,730 | 2,256 | 2,587 |

- = 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.

Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

Massachusetts

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 11,122 | 11,085 | 11,050 | 10,670 | 10,621 |
| Coal | 1,723 | 1,743 | 1,743 | 1,744 | 1,662 |
| Petroleum | 3,242 | 3,241 | 3,219 | 3,137 | 3,120 |
| Natural Gas | 6,157 | 6,102 | 6,089 | 5,789 | 5,839 |
| Other Gases | - | - | - | - | - |
| Nuclear | 685 | 685 | 685 | 685 | 685 |
| Renewables | 553 | 556 | 554 | 560 | 557 |
| Pumped Storage | 1,643 | 1,643 | 1,643 | 1,643 | 1,643 |
| Other | - | - | - | - | - |
| Total | 14,002 | 13,969 | 13,932 | 13,557 | 13,505 |

- = 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, 2004 - 2008 (Megawatts)

Massachusetts

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|--------------------|------------|------------|------------|------------|------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 260 | 260 | 259 | 259 | 258 |
| Solar | - | - | - | - | s |
| Wind | - | - | - | 2 | 2 |
| Wood/Wood Waste | 26 | 26 | 26 | 26 | 26 |
| MSW/Landfill Gas | 258 | 261 | 261 | 264 | 263 |
| Other Biomass | 9 | 9 | 9 | 9 | 9 |
| Total | 553 | 556 | 554 | 560 | 557 |

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

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Massachusetts

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 39,031 | 39,429 | 36,773 | 40,001 | 34,251 |
| Coal | 10,526 | 12,034 | 11,138 | 12,024 | 10,629 |
| Petroleum | 7,533 | 7,026 | 2,328 | 3,052 | 2,108 |
| Natural Gas | 20,972 | 20,369 | 23,307 | 24,925 | 21,514 |
| Other Gases | - | - | - | - | - |
| Nuclear | 5,939 | 5,475 | 5,830 | 5,120 | 5,869 |
| Renewables | 2,228 | 2,300 | 2,791 | 2,038 | 2,411 |
| Pumped Storage | -498 | -462 | -579 | -831 | -798 |
| Other | 801 | 772 | 782 | 748 | 773 |
| Total | 47,500 | 47,515 | 45,598 | 47,076 | 42,505 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Massachusetts

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 998 | 1,042 | 1,513 | 797 | 1,156 |
| Solar | - | - | - | - | s |
| Wind | - | - | - | - | 4 |
| Wood/Wood Waste | 114 | 120 | 125 | 119 | 123 |
| MSW Biogenic/Landfill Gas | 1,100 | 1,114 | 1,126 | 1,094 | 1,128 |
| Other Biomass | 16 | 25 | 27 | 27 | 2 |
| Total | 2,228 | 2,300 | 2,791 | 2,038 | 2,411 |

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

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Michigan

| | | | |
|---------------------------------------------------|---------------------|--------------------------------|---------------------|
| 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 | 30,419 | | 100.0 |
| Total Net Summer Renewable Capacity | 773 | | 2.5 |
| Geothermal | - | | - |
| Hydro Conventional | 250 | | 0.8 |
| Solar | - | | - |
| Wind | 124 | | 0.4 |
| Wood/Wood Waste | 230 | | 0.8 |
| MSW/Landfill Gas | 169 | | 0.6 |
| Other Biomass | - | | - |
| <u>Generation (thousand megawatthours)</u> | | | |
| Total Electricity Net Generation | 114,990 | | 100.0 |
| Total Renewable Net Generation | 3,956 | | 3.4 |
| Geothermal | - | | - |
| Hydro Conventional | 1,364 | | 1.2 |
| Solar | - | | - |
| Wind | 141 | | 0.1 |
| Wood/Wood Waste | 1,710 | | 1.5 |
| MSW Biogenic/Landfill Gas | 738 | | 0.6 |
| 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: 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, 2004 - 2008 (Megawatts)

Michigan

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 23,992 | 23,948 | 23,693 | 23,826 | 23,805 |
| Coal | 11,976 | 11,982 | 11,860 | 11,910 | 11,921 |
| Petroleum | 1,719 | 1,675 | 1,499 | 673 | 667 |
| Natural Gas | 10,296 | 10,286 | 10,322 | 11,242 | 11,218 |
| Other Gases | - | 5 | 12 | - | - |
| Nuclear | 3,971 | 3,982 | 4,006 | 3,969 | 3,969 |
| Renewables | 612 | 620 | 618 | 638 | 773 |
| Pumped Storage | 1,872 | 1,872 | 1,872 | 1,872 | 1,872 |
| Other | - | - | - | - | - |
| Total | 30,447 | 30,422 | 30,189 | 30,305 | 30,419 |

- = 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, 2004 - 2008 (Megawatts)

Michigan

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 245 | 253 | 257 | 249 | 250 |
| Solar | - | - | - | - | - |
| Wind | 1 | 1 | 2 | 2 | 124 |
| Wood/Wood Waste | 210 | 210 | 210 | 231 | 230 |
| MSW/Landfill Gas | 157 | 157 | 149 | 156 | 169 |
| Other Biomass | - | - | - | - | - |
| Total | 612 | 620 | 618 | 638 | 773 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Michigan

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 84,649 | 85,337 | 80,004 | 84,933 | 80,179 |
| Coal | 68,606 | 70,323 | 67,780 | 70,811 | 69,855 |
| Petroleum | 896 | 878 | 402 | 699 | 458 |
| Natural Gas | 14,548 | 13,764 | 11,410 | 13,141 | 9,602 |
| Other Gases | 599 | 372 | 412 | 282 | 264 |
| Nuclear | 30,562 | 32,872 | 29,066 | 31,517 | 31,484 |
| Renewables | 4,098 | 3,956 | 3,963 | 3,687 | 3,956 |
| Pumped Storage | -1,113 | -1,106 | -1,039 | -1,129 | -916 |
| Other | 291 | 562 | 563 | 303 | 286 |
| Total | 118,487 | 121,620 | 112,557 | 119,310 | 114,990 |

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, 2004 - 2008
(Thousand Megawatthours)**

Michigan

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,540 | 1,462 | 1,520 | 1,270 | 1,364 |
| Solar | - | - | - | - | - |
| Wind | 2 | 2 | 2 | 3 | 141 |
| Wood/Wood Waste | 1,867 | 1,776 | 1,704 | 1,692 | 1,710 |
| MSW Biogenic/Landfill Gas | 688 | 714 | 735 | 721 | 738 |
| Other Biomass | 2 | 3 | 2 | 1 | 1 |
| Total | 4,098 | 3,956 | 3,963 | 3,687 | 3,956 |

- = 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.

Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

Minnesota

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 8,988 | 9,342 | 9,714 | 9,550 | 10,548 |
| Coal | 5,621 | 5,446 | 5,444 | 5,207 | 5,235 |
| Petroleum | 726 | 739 | 746 | 764 | 782 |
| Natural Gas | 2,641 | 3,157 | 3,524 | 3,579 | 4,531 |
| Other Gases | - | - | - | - | - |
| Nuclear | 1,613 | 1,617 | 1,668 | 1,668 | 1,668 |
| Renewables | 939 | 1,136 | 1,259 | 1,658 | 2,008 |
| Pumped Storage | - | - | - | - | - |
| Other | 11 | 11 | 11 | 13 | 13 |
| Total | 11,551 | 12,105 | 12,651 | 12,890 | 14,237 |

- = 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, 2004 - 2008 (Megawatts)

Minnesota

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 176 | 176 | 175 | 176 | 194 |
| Solar | - | - | - | - | - |
| Wind | 487 | 687 | 827 | 1,139 | 1,460 |
| Wood/Wood Waste | 137 | 136 | 129 | 161 | 170 |
| MSW/Landfill Gas | 139 | 137 | 127 | 128 | 130 |
| Other Biomass | - | - | - | 55 | 55 |
| Total | 939 | 1,136 | 1,259 | 1,658 | 2,008 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Minnesota

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 36,241 | 36,433 | 36,125 | 36,463 | 34,879 |
| Coal | 34,000 | 32,950 | 33,070 | 32,190 | 31,755 |
| Petroleum | 783 | 776 | 494 | 405 | 232 |
| Natural Gas | 1,458 | 2,707 | 2,561 | 3,842 | 2,866 |
| Other Gases | - | - | - | 26 | 27 |
| Nuclear | 13,296 | 12,835 | 13,183 | 13,103 | 12,997 |
| Renewables | 2,535 | 3,427 | 3,631 | 4,586 | 6,578 |
| Pumped Storage | - | - | - | - | - |
| Other | 292 | 324 | 298 | 325 | 309 |
| Total | 52,364 | 53,019 | 53,238 | 54,478 | 54,763 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Minnesota

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 738 | 775 | 572 | 654 | 727 |
| Solar | - | - | - | - | - |
| Wind | 812 | 1,582 | 2,055 | 2,639 | 4,355 |
| Wood/Wood Waste | 652 | 656 | 590 | 727 | 725 |
| MSW Biogenic/Landfill Gas | 328 | 409 | 412 | 423 | 399 |
| Other Biomass | 4 | 4 | 3 | 143 | 372 |
| Total | 2,535 | 3,427 | 3,631 | 4,586 | 6,578 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Mississippi

Primary Renewable Energy Capacity Source Wood/Wood Waste
 Primary Renewable Energy Generation Source Wood/Wood Waste

| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
|------------------------------------------------|---------------|-----------------------------------|
| Total Net Summer Electricity Capacity | 15,942 | 100.0 |
| Total Net Summer Renewable Capacity | 229 | 1.4 |
| Geothermal | - | - |
| Hydro Conventional | - | - |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 229 | 1.4 |
| MSW/Landfill Gas | - | - |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 48,206 | 100.0 |
| Total Renewable Net Generation | 1,391 | 2.9 |
| Geothermal | - | - |
| Hydro Conventional | - | - |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 1,386 | 2.9 |
| MSW Biogenic/Landfill Gas | - | - |
| Other Biomass | 5 | * |

* = 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, 2004 - 2008 (Megawatts)

Mississippi

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 15,520 | 15,389 | 15,125 | 14,707 | 14,454 |
| Coal | 2,660 | 2,563 | 2,548 | 2,542 | 2,555 |
| Petroleum | 32 | 34 | 36 | 36 | 36 |
| Natural Gas | 12,824 | 12,789 | 12,537 | 12,125 | 11,859 |
| Other Gases | 4 | 4 | 4 | 4 | 4 |
| Nuclear | 1,270 | 1,266 | 1,266 | 1,268 | 1,259 |
| Renewables | 229 | 229 | 229 | 229 | 229 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 17,019 | 16,885 | 16,620 | 16,204 | 15,942 |

- = 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, 2004 - 2008 (Megawatts)

Mississippi

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | - | - | - | - | - |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 229 | 229 | 229 | 229 | 229 |
| MSW/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 229 | 229 | 229 | 229 | 229 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Mississippi

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 31,914 | 33,461 | 34,254 | 39,184 | 37,408 |
| Coal | 17,478 | 16,636 | 18,105 | 17,407 | 16,683 |
| Petroleum | 2,777 | 1,445 | 399 | 399 | 76 |
| Natural Gas | 11,619 | 15,360 | 15,706 | 21,335 | 20,607 |
| Other Gases | 41 | 20 | 44 | 42 | 40 |
| Nuclear | 10,233 | 10,078 | 10,419 | 9,359 | 9,397 |
| Renewables | 1,514 | 1,522 | 1,541 | 1,493 | 1,391 |
| Pumped Storage | - | - | - | - | - |
| Other | 2 | 7 | 16 | 7 | 10 |
| Total | 43,663 | 45,067 | 46,229 | 50,044 | 48,206 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Mississippi

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | - | - | - | - | - |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 1,511 | 1,516 | 1,535 | 1,488 | 1,386 |
| MSW Biogenic/Landfill Gas | - | - | - | - | - |
| Other Biomass | 3 | 5 | 6 | 5 | 5 |
| Total | 1,514 | 1,522 | 1,541 | 1,493 | 1,391 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Missouri

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> |
|------------------------------------------------|---------------|-----------------------------------|
| Total Net Summer Electricity Capacity | 20,706 | 100.0 |
| Total Net Summer Renewable Capacity | 734 | 3.5 |
| Geothermal | - | - |
| Hydro Conventional | 566 | 2.7 |
| Solar | - | - |
| Wind | 163 | 0.8 |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | 5 | * |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 91,029 | 100.0 |
| Total Renewable Net Generation | 2,293 | 2.5 |
| Geothermal | - | - |
| Hydro Conventional | 2,047 | 2.2 |
| Solar | - | - |
| Wind | 203 | 0.2 |
| Wood/Wood Waste | 2 | * |
| MSW Biogenic/Landfill Gas | 30 | * |
| Other Biomass | 11 | * |

* = 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, 2004 - 2008 (Megawatts)

Missouri

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 17,813 | 18,134 | 18,197 | 18,099 | 18,126 |
| Coal | 11,257 | 11,273 | 11,299 | 11,259 | 11,240 |
| Petroleum | 1,254 | 1,254 | 1,279 | 1,287 | 1,282 |
| Natural Gas | 5,302 | 5,607 | 5,619 | 5,553 | 5,604 |
| Other Gases | - | - | - | - | - |
| Nuclear | 1,137 | 1,190 | 1,190 | 1,190 | 1,190 |
| Renewables | 556 | 552 | 555 | 612 | 734 |
| Pumped Storage | 657 | 657 | 657 | 657 | 657 |
| Other | - | - | - | - | - |
| Total | 20,163 | 20,533 | 20,599 | 20,558 | 20,706 |

- = 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, 2004 - 2008 (Megawatts)

Missouri

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 556 | 552 | 552 | 552 | 566 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | 57 | 163 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | - | - | 3 | 3 | 5 |
| Other Biomass | - | - | - | - | - |
| Total | 556 | 552 | 555 | 612 | 734 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Missouri

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 78,087 | 81,474 | 81,245 | 80,127 | 78,788 |
| Coal | 75,024 | 77,437 | 77,450 | 75,084 | 73,532 |
| Petroleum | 196 | 169 | 61 | 60 | 57 |
| Natural Gas | 2,865 | 3,866 | 3,729 | 4,979 | 5,196 |
| Other Gases | 2 | 2 | 5 | 3 | 3 |
| Nuclear | 7,831 | 8,031 | 10,117 | 9,372 | 9,379 |
| Renewables | 1,490 | 1,168 | 223 | 1,234 | 2,293 |
| Pumped Storage | 115 | 86 | 48 | 383 | 545 |
| Other | 110 | 70 | 54 | 37 | 24 |
| Total | 87,633 | 90,828 | 91,686 | 91,153 | 91,029 |

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, 2004 - 2008
(Thousand Megawatthours)**

Missouri

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|-------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,480 | 1,159 | 199 | 1,204 | 2,047 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | 203 |
| Wood/Wood Waste | s | - | s | s | 2 |
| MSW Biogenic/Landfill Gas | - | - | 15 | 22 | 30 |
| Other Biomass | 9 | 9 | 9 | 7 | 11 |
| Total | 1,490 | 1,168 | 223 | 1,234 | 2,293 |

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

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Montana

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 | 5,614 | 100.0 |
| Total Net Summer Renewable Capacity | 2,960 | 52.7 |
| Geothermal | 28 | 0.5 |
| Hydro Conventional | 2,660 | 47.4 |
| Solar | - | - |
| Wind | 255 | 4.5 |
| Wood/Wood Waste | 17 | 0.3 |
| MSW/Landfill Gas | - | - |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 29,637 | 100.0 |
| Total Renewable Net Generation | 10,815 | 36.5 |
| Geothermal | 111 | 0.4 |
| Hydro Conventional | 10,000 | 33.7 |
| Solar | - | - |
| Wind | 593 | 2.0 |
| Wood/Wood Waste | 111 | 0.4 |
| MSW Biogenic/Landfill Gas | - | - |
| Other Biomass | - | - |

- = 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, 2004 - 2008 (Megawatts)

Montana

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 2,488 | 2,497 | 2,671 | 2,671 | 2,655 |
| Coal | 2,335 | 2,339 | 2,460 | 2,458 | 2,442 |
| Petroleum | 55 | 57 | 57 | 59 | 57 |
| Natural Gas | 98 | 100 | 154 | 154 | 154 |
| Other Gases | - | - | - | - | 2 |
| Nuclear | - | - | - | - | - |
| Renewables | 2,645 | 2,772 | 2,766 | 2,809 | 2,960 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 5,132 | 5,268 | 5,437 | 5,479 | 5,614 |

- = 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, 2004 - 2008 (Megawatts)

Montana

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | 22 | 28 |
| Hydro Conventional | 2,627 | 2,619 | 2,604 | 2,620 | 2,660 |
| Solar | - | - | - | - | - |
| Wind | - | 135 | 145 | 149 | 255 |
| Wood/Wood Waste | 17 | 17 | 17 | 17 | 17 |
| MSW/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 2,645 | 2,772 | 2,766 | 2,809 | 2,960 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Montana

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 17,870 | 18,280 | 17,583 | 18,960 | 18,822 |
| Coal | 17,380 | 17,823 | 17,085 | 18,357 | 18,332 |
| Petroleum | 439 | 415 | 419 | 479 | 419 |
| Natural Gas | 28 | 27 | 68 | 106 | 66 |
| Other Gases | 23 | 15 | 11 | 19 | 6 |
| Nuclear | - | - | - | - | - |
| Renewables | 8,918 | 9,659 | 10,661 | 9,971 | 10,815 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 26,789 | 27,939 | 28,244 | 28,931 | 29,637 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Montana

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|---------------|--------------|---------------|
| Geothermal | - | - | - | - | 111 |
| Hydro Conventional | 8,856 | 9,587 | 10,130 | 9,364 | 10,000 |
| Solar | - | - | - | - | - |
| Wind | - | - | 436 | 496 | 593 |
| Wood/Wood Waste | 62 | 72 | 94 | 111 | 111 |
| MSW Biogenic/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 8,918 | 9,659 | 10,661 | 9,971 | 10,815 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Nebraska

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 | 7,024 | 100.0 |
| Total Net Summer Renewable Capacity | 313 | 4.5 |
| Geothermal | - | - |
| Hydro Conventional | 278 | 4.0 |
| Solar | - | - |
| Wind | 25 | 0.4 |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | 6 | 0.1 |
| Other Biomass | 5 | 0.1 |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 32,374 | 100.0 |
| Total Renewable Net Generation | 622 | 1.9 |
| Geothermal | - | - |
| Hydro Conventional | 346 | 1.1 |
| Solar | - | - |
| Wind | 214 | 0.7 |
| Wood/Wood Waste | - | - |
| MSW Biogenic/Landfill Gas | 45 | 0.1 |
| Other Biomass | 16 | 0.1 |

- = 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, 2004 - 2008 (Megawatts)

Nebraska

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 5,219 | 5,435 | 5,478 | 5,423 | 5,459 |
| Coal | 3,204 | 3,204 | 3,204 | 3,204 | 3,204 |
| Petroleum | 639 | 640 | 642 | 330 | 382 |
| Natural Gas | 1,376 | 1,591 | 1,632 | 1,889 | 1,874 |
| Other Gases | - | - | - | - | - |
| Nuclear | 1,232 | 1,238 | 1,238 | 1,240 | 1,252 |
| Renewables | 287 | 349 | 355 | 308 | 313 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 6,738 | 7,023 | 7,071 | 6,971 | 7,024 |

- = 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, 2004 - 2008 (Megawatts)

Nebraska

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 266 | 269 | 272 | 273 | 278 |
| Solar | - | - | - | - | - |
| Wind | 13 | 73 | 73 | 25 | 25 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | 3 | 3 | 6 | 6 | 6 |
| Other Biomass | 4 | 4 | 4 | 5 | 5 |
| Total | 287 | 349 | 355 | 308 | 313 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Nebraska

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 20,776 | 21,652 | 21,461 | 20,776 | 22,273 |
| Coal | 20,457 | 20,818 | 20,683 | 19,630 | 21,480 |
| Petroleum | 22 | 31 | 19 | 36 | 35 |
| Natural Gas | 297 | 803 | 759 | 1,110 | 758 |
| Other Gases | s | s | - | - | - |
| Nuclear | 10,241 | 8,802 | 9,003 | 11,042 | 9,479 |
| Renewables | 991 | 1,011 | 1,207 | 625 | 622 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 32,009 | 31,465 | 31,670 | 32,443 | 32,374 |

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: 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, 2004 - 2008
(Thousand Megawatthours)**

Nebraska

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|-------------|--------------|--------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 913 | 871 | 893 | 347 | 346 |
| Solar | - | - | - | - | - |
| Wind | 38 | 97 | 261 | 217 | 214 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW Biogenic/Landfill Gas | 27 | 25 | 37 | 46 | 45 |
| Other Biomass | 13 | 18 | 15 | 15 | 16 |
| Total | 991 | 1,011 | 1,207 | 625 | 622 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Nevada

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 | 11,297 | 100.0 |
| Total Net Summer Renewable Capacity | 1,355 | 12.0 |
| Geothermal | 215 | 1.9 |
| Hydro Conventional | 1,051 | 9.3 |
| Solar | 89 | 0.8 |
| Wind | - | - |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | - | - |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 35,090 | 100.0 |
| Total Renewable Net Generation | 3,289 | 9.4 |
| Geothermal | 1,383 | 3.9 |
| Hydro Conventional | 1,751 | 5.0 |
| Solar | 156 | 0.4 |
| Wind | - | - |
| Wood/Wood Waste | - | - |
| MSW Biogenic/Landfill Gas | - | - |
| Other Biomass | - | - |

- = 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, 2004 - 2008 (Megawatts)

Nevada

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|---------------|
| Fossil | 7,481 | 7,481 | 8,412 | 8,638 | 9,942 |
| Coal | 2,657 | 2,657 | 2,657 | 2,689 | 2,916 |
| Petroleum | 45 | 45 | 45 | 45 | 45 |
| Natural Gas | 4,779 | 4,779 | 5,711 | 5,905 | 6,982 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 1,189 | 1,233 | 1,236 | 1,316 | 1,355 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 8,670 | 8,714 | 9,648 | 9,954 | 11,297 |

- = 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, 2004 - 2008 (Megawatts)

Nevada

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | 142 | 185 | 188 | 189 | 215 |
| Hydro Conventional | 1,047 | 1,047 | 1,047 | 1,048 | 1,051 |
| Solar | - | - | - | 79 | 89 |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 1,189 | 1,233 | 1,236 | 1,316 | 1,355 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Nevada

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 34,755 | 37,249 | 28,459 | 29,370 | 31,801 |
| Coal | 18,257 | 18,384 | 7,254 | 7,091 | 7,812 |
| Petroleum | 96 | 21 | 17 | 11 | 14 |
| Natural Gas | 16,381 | 18,836 | 21,184 | 22,263 | 23,972 |
| Other Gases | 21 | 8 | 4 | 4 | 2 |
| Nuclear | - | - | - | - | - |
| Renewables | 2,913 | 2,965 | 3,401 | 3,300 | 3,289 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 37,667 | 40,214 | 31,860 | 32,670 | 35,090 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Nevada

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | 1,298 | 1,263 | 1,344 | 1,253 | 1,383 |
| Hydro Conventional | 1,615 | 1,702 | 2,058 | 2,003 | 1,751 |
| Solar | - | - | - | 44 | 156 |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | - | - | - | - | - |
| MSW Biogenic/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 2,913 | 2,965 | 3,401 | 3,300 | 3,289 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

New Hampshire

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 | 4,174 | 100.0 |
| Total Net Summer Renewable Capacity | 694 | 16.6 |
| Geothermal | - | - |
| Hydro Conventional | 500 | 12.0 |
| Solar | - | - |
| Wind | 24 | 0.6 |
| Wood/Wood Waste | 140 | 3.4 |
| MSW/Landfill Gas | 29 | 0.7 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 22,877 | 100.0 |
| Total Renewable Net Generation | 2,808 | 12.3 |
| Geothermal | - | - |
| Hydro Conventional | 1,633 | 7.1 |
| Solar | - | - |
| Wind | 10 | * |
| Wood/Wood Waste | 1,010 | 4.4 |
| MSW Biogenic/Landfill Gas | 155 | 0.7 |
| Other Biomass | - | - |

* = 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, 2004 - 2008 (Megawatts)

New Hampshire

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 2,457 | 2,458 | 2,411 | 2,371 | 2,235 |
| Coal | 575 | 575 | 528 | 528 | 528 |
| Petroleum | 528 | 529 | 529 | 503 | 503 |
| Natural Gas | 1,354 | 1,354 | 1,354 | 1,341 | 1,205 |
| Other Gases | - | - | - | - | - |
| Nuclear | 1,159 | 1,220 | 1,244 | 1,245 | 1,245 |
| Renewables | 654 | 643 | 685 | 663 | 694 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 4,270 | 4,321 | 4,340 | 4,280 | 4,174 |

- = 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, 2004 - 2008 (Megawatts)

New Hampshire

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 518 | 507 | 512 | 494 | 500 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | 24 |
| Wood/Wood Waste | 104 | 104 | 141 | 140 | 140 |
| MSW/Landfill Gas | 31 | 31 | 31 | 29 | 29 |
| Other Biomass | - | - | - | - | - |
| Total | 654 | 643 | 685 | 663 | 694 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

New Hampshire

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 11,436 | 12,215 | 10,331 | 10,066 | 10,660 |
| Coal | 4,076 | 4,073 | 3,885 | 3,927 | 3,451 |
| Petroleum | 1,960 | 1,357 | 439 | 385 | 136 |
| Natural Gas | 5,400 | 6,785 | 6,007 | 5,754 | 7,073 |
| Other Gases | - | - | - | - | - |
| Nuclear | 10,178 | 9,456 | 9,398 | 10,764 | 9,350 |
| Renewables | 2,199 | 2,741 | 2,275 | 2,389 | 2,808 |
| Pumped Storage | - | - | - | - | - |
| Other | 63 | 58 | 59 | 59 | 58 |
| Total | 23,876 | 24,470 | 22,064 | 23,277 | 22,877 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

New Hampshire

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,316 | 1,799 | 1,529 | 1,265 | 1,633 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | 10 |
| Wood/Wood Waste | 728 | 786 | 590 | 970 | 1,010 |
| MSW Biogenic/Landfill Gas | 155 | 156 | 156 | 153 | 155 |
| Other Biomass | - | - | - | - | - |
| Total | 2,199 | 2,741 | 2,275 | 2,389 | 2,808 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

New Jersey

| | |
|--------------------------------------------|------------------------------------|
| Primary Renewable Energy Capacity Source | Municipal Solid Waste/Landfill Gas |
| Primary Renewable Energy Generation Source | Municipal Solid Waste/Landfill Gas |

| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
|------------------------------------------------|---------------|-------------------------------|
| Total Net Summer Electricity Capacity | 18,508 | 100.0 |
| Total Net Summer Renewable Capacity | 219 | 1.2 |
| Geothermal | - | - |
| Hydro Conventional | 4 | * |
| Solar | 4 | * |
| Wind | 8 | * |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | 184 | 1.0 |
| Other Biomass | 20 | 0.1 |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 63,675 | 100.0 |
| Total Renewable Net Generation | 931 | 1.5 |
| Geothermal | - | - |
| Hydro Conventional | 26 | * |
| Solar | 3 | * |
| Wind | 21 | * |
| Wood/Wood Waste | - | - |
| MSW Biogenic/Landfill Gas | 879 | 1.4 |
| Other Biomass | 3 | * |

* = 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, 2004 - 2008 (Megawatts)

New Jersey

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 13,570 | 12,937 | 14,363 | 13,741 | 13,771 |
| Coal | 2,124 | 2,077 | 2,124 | 2,054 | 2,054 |
| Petroleum | 2,814 | 1,782 | 1,810 | 1,345 | 1,514 |
| Natural Gas | 8,611 | 9,058 | 10,385 | 10,298 | 10,159 |
| Other Gases | 21 | 21 | 44 | 44 | 44 |
| Nuclear | 3,972 | 3,984 | 3,984 | 3,984 | 4,108 |
| Renewables | 212 | 204 | 212 | 215 | 219 |
| Pumped Storage | 400 | 400 | 400 | 400 | 400 |
| Other | 11 | 11 | 11 | 11 | 11 |
| Total | 18,164 | 17,536 | 18,971 | 18,352 | 18,508 |

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, 2004 - 2008 (Megawatts)

New Jersey

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|--------------------|------------|------------|------------|------------|------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 12 | 3 | 5 | 4 | 4 |
| Solar | - | - | - | 2 | 4 |
| Wind | - | - | 8 | 8 | 8 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | 181 | 181 | 181 | 182 | 184 |
| Other Biomass | 20 | 20 | 20 | 20 | 20 |
| Total | 212 | 204 | 212 | 215 | 219 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

New Jersey

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 27,748 | 27,997 | 26,910 | 29,576 | 30,264 |
| Coal | 10,322 | 11,625 | 10,862 | 10,211 | 9,028 |
| Petroleum | 1,425 | 940 | 270 | 453 | 325 |
| Natural Gas | 15,962 | 15,366 | 15,668 | 18,752 | 20,752 |
| Other Gases | 39 | 65 | 110 | 161 | 159 |
| Nuclear | 27,082 | 31,392 | 32,568 | 32,010 | 32,195 |
| Renewables | 843 | 906 | 952 | 864 | 931 |
| Pumped Storage | -287 | -283 | -299 | -269 | -275 |
| Other | 496 | 538 | 569 | 489 | 559 |
| Total | 55,882 | 60,550 | 60,700 | 62,671 | 63,675 |

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, 2004 - 2008
(Thousand Megawatthours)**

New Jersey

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 38 | 31 | 35 | 21 | 26 |
| Solar | - | - | - | - | 3 |
| Wind | - | - | 16 | 20 | 21 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW Biogenic/Landfill Gas | 802 | 872 | 803 | 822 | 879 |
| Other Biomass | 4 | 2 | 98 | 1 | 3 |
| Total | 843 | 906 | 952 | 864 | 931 |

- = 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.

Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

New Mexico

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 5,977 | 5,988 | 6,520 | 6,620 | 7,366 |
| Coal | 3,937 | 3,957 | 3,957 | 3,957 | 3,957 |
| Petroleum | 45 | 37 | 28 | 28 | 28 |
| Natural Gas | 1,995 | 1,994 | 2,535 | 2,634 | 3,381 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 352 | 492 | 582 | 582 | 584 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 6,329 | 6,480 | 7,102 | 7,202 | 7,950 |

- = 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, 2004 - 2008 (Megawatts)

New Mexico

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 82 | 82 | 82 | 82 | 82 |
| Solar | - | - | - | - | - |
| Wind | 264 | 404 | 494 | 494 | 496 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | - | - | - | - | - |
| Other Biomass | 6 | 6 | 6 | 6 | 6 |
| Total | 352 | 492 | 582 | 582 | 584 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

New Mexico

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 32,288 | 34,171 | 35,790 | 34,308 | 35,033 |
| Coal | 29,264 | 29,947 | 29,859 | 27,604 | 27,014 |
| Petroleum | 31 | 37 | 41 | 44 | 53 |
| Natural Gas | 2,993 | 4,187 | 5,890 | 6,660 | 7,966 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 652 | 964 | 1,476 | 1,677 | 1,974 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | 3 |
| Total | 32,940 | 35,136 | 37,266 | 35,985 | 37,010 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

New Mexico

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|-------------|-------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 139 | 165 | 198 | 268 | 312 |
| Solar | - | - | - | - | - |
| Wind | 513 | 795 | 1,255 | 1,393 | 1,643 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW Biogenic/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | 5 | 22 | 16 | 19 |
| Total | 652 | 964 | 1,476 | 1,677 | 1,974 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

New York

| | | | |
|---------------------------------------------------|--------------------|---------------------|--------------------------------------|
| 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> |
| Total Net Summer Electricity Capacity | | 38,720 | 100.0 |
| Total Net Summer Renewable Capacity | | 5,433 | 14.0 |
| Geothermal | | - | - |
| Hydro Conventional | | 4,299 | 11.1 |
| Solar | | - | - |
| Wind | | 707 | 1.8 |
| Wood/Wood Waste | | 87 | 0.2 |
| MSW/Landfill Gas | | 340 | 0.9 |
| Other Biomass | | - | - |
| <u>Generation (thousand megawatthours)</u> | | | |
| Total Electricity Net Generation | | 140,322 | 100.0 |
| Total Renewable Net Generation | | 30,042 | 21.4 |
| Geothermal | | - | - |
| Hydro Conventional | | 26,723 | 19.0 |
| Solar | | - | - |
| Wind | | 1,251 | 0.9 |
| Wood/Wood Waste | | 555 | 0.4 |
| MSW Biogenic/Landfill Gas | | 1,513 | 1.1 |
| Other Biomass | | - | - |

- = 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, 2004 - 2008 (Megawatts)

New York

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 26,882 | 27,943 | 28,071 | 27,582 | 26,726 |
| Coal | 4,201 | 4,218 | 4,014 | 3,570 | 2,899 |
| Petroleum | 7,407 | 7,231 | 7,241 | 7,286 | 7,273 |
| Natural Gas | 15,274 | 16,494 | 16,816 | 16,727 | 16,554 |
| Other Gases | - | - | - | - | - |
| Nuclear | 5,067 | 5,150 | 5,156 | 5,156 | 5,264 |
| Renewables | 4,596 | 4,732 | 5,027 | 5,087 | 5,433 |
| Pumped Storage | 1,297 | 1,297 | 1,297 | 1,297 | 1,297 |
| Other | - | - | - | - | - |
| Total | 37,842 | 39,122 | 39,550 | 39,121 | 38,720 |

- = 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, 2004 - 2008 (Megawatts)

New York

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 4,210 | 4,207 | 4,307 | 4,301 | 4,299 |
| Solar | - | - | - | - | - |
| Wind | 48 | 185 | 370 | 425 | 707 |
| Wood/Wood Waste | 37 | 37 | 37 | 37 | 87 |
| MSW/Landfill Gas | 301 | 303 | 313 | 324 | 340 |
| Other Biomass | - | - | - | - | - |
| Total | 4,596 | 4,732 | 5,027 | 5,087 | 5,433 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

New York

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 71,352 | 76,483 | 69,880 | 75,234 | 66,756 |
| Coal | 22,853 | 20,598 | 20,968 | 21,406 | 19,154 |
| Petroleum | 21,205 | 24,013 | 6,778 | 8,195 | 3,745 |
| Natural Gas | 27,294 | 31,873 | 42,134 | 45,634 | 43,856 |
| Other Gases | - | - | - | - | - |
| Nuclear | 40,640 | 42,443 | 42,224 | 42,453 | 43,209 |
| Renewables | 25,901 | 27,771 | 29,941 | 28,028 | 30,042 |
| Pumped Storage | -813 | -781 | -756 | -768 | -672 |
| Other | 884 | 971 | 977 | 932 | 987 |
| Total | 137,965 | 146,887 | 142,265 | 145,879 | 140,322 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

New York

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 23,990 | 25,783 | 27,345 | 25,253 | 26,723 |
| Solar | - | - | - | - | - |
| Wind | 116 | 103 | 655 | 833 | 1,251 |
| Wood/Wood Waste | 497 | 528 | 522 | 492 | 555 |
| MSW Biogenic/Landfill Gas | 1,277 | 1,344 | 1,410 | 1,442 | 1,513 |
| Other Biomass | 21 | 14 | 10 | 7 | - |
| Total | 25,901 | 27,771 | 29,941 | 28,028 | 30,042 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

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 | 27,694 | 100.0 |
| Total Net Summer Renewable Capacity | 2,294 | 8.3 |
| Geothermal | - | - |
| Hydro Conventional | 1,952 | 7.0 |
| Solar | 3 | * |
| Wind | - | - |
| Wood/Wood Waste | 318 | 1.1 |
| MSW/Landfill Gas | 20 | 0.1 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 125,239 | 100.0 |
| Total Renewable Net Generation | 4,956 | 4.0 |
| Geothermal | - | - |
| Hydro Conventional | 3,034 | 2.4 |
| Solar | 2 | * |
| Wind | - | - |
| Wood/Wood Waste | 1,800 | 1.4 |
| MSW Biogenic/Landfill Gas | 102 | 0.1 |
| Other Biomass | 19 | * |

* = 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, 2004 - 2008 (Megawatts)

North Carolina

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 19,818 | 19,787 | 19,673 | 20,247 | 20,305 |
| Coal | 13,226 | 13,196 | 13,113 | 13,068 | 13,069 |
| Petroleum | 595 | 594 | 563 | 564 | 558 |
| Natural Gas | 5,997 | 5,997 | 5,997 | 6,616 | 6,679 |
| Other Gases | - | - | - | - | - |
| Nuclear | 4,938 | 4,938 | 4,975 | 4,975 | 4,958 |
| Renewables | 2,222 | 2,250 | 2,292 | 2,301 | 2,294 |
| Pumped Storage | 95 | 95 | 84 | 84 | 90 |
| Other | 37 | 37 | 37 | 37 | 47 |
| Total | 27,110 | 27,107 | 27,061 | 27,644 | 27,694 |

- = 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, 2004 - 2008 (Megawatts)

North Carolina

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,951 | 1,945 | 1,954 | 1,960 | 1,952 |
| Solar | - | - | - | - | 3 |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 256 | 291 | 324 | 324 | 318 |
| MSW/Landfill Gas | 14 | 14 | 14 | 18 | 20 |
| Other Biomass | - | - | - | - | - |
| Total | 2,222 | 2,250 | 2,292 | 2,301 | 2,294 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

North Carolina

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 78,716 | 82,114 | 79,134 | 84,935 | 80,312 |
| Coal | 75,546 | 78,436 | 75,487 | 79,983 | 75,815 |
| Petroleum | 611 | 519 | 451 | 496 | 320 |
| Natural Gas | 2,559 | 3,159 | 3,196 | 4,457 | 4,177 |
| Other Gases | - | - | - | - | - |
| Nuclear | 40,091 | 39,982 | 39,963 | 40,045 | 39,776 |
| Renewables | 7,168 | 7,204 | 5,667 | 4,656 | 4,956 |
| Pumped Storage | 78 | 147 | 131 | 137 | -121 |
| Other | 277 | 303 | 319 | 342 | 316 |
| Total | 126,330 | 129,749 | 125,215 | 130,115 | 125,239 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

North Carolina

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 5,435 | 5,397 | 3,839 | 2,984 | 3,034 |
| Solar | - | - | - | - | 2 |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 1,621 | 1,709 | 1,737 | 1,585 | 1,800 |
| MSW Biogenic/Landfill Gas | 94 | 87 | 88 | 86 | 102 |
| Other Biomass | 18 | 11 | 4 | 1 | 19 |
| Total | 7,168 | 7,204 | 5,667 | 4,656 | 4,956 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

North Dakota

| | | |
|---------------------------------------------------|---------------------|--------------------------------------|
| Primary Renewable Energy Capacity Source | Wind | |
| Primary Renewable Energy Generation Source | Wind | |
| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
| Total Net Summer Electricity Capacity | 5,484 | 100.0 |
| Total Net Summer Renewable Capacity | 1,272 | 23.2 |
| Geothermal | - | - |
| Hydro Conventional | 486 | 8.9 |
| Solar | - | - |
| Wind | 776 | 14.1 |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | - | - |
| Other Biomass | 10 | 0.2 |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 32,735 | 100.0 |
| Total Renewable Net Generation | 2,959 | 9.0 |
| Geothermal | - | - |
| Hydro Conventional | 1,253 | 3.8 |
| Solar | - | - |
| Wind | 1,693 | 5.2 |
| Wood/Wood Waste | - | - |
| MSW Biogenic/Landfill Gas | - | - |
| Other Biomass | 13 | * |

* = 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, 2004 - 2008 (Megawatts)

North Dakota

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 4,215 | 4,220 | 4,222 | 4,212 | 4,212 |
| Coal | 4,126 | 4,127 | 4,127 | 4,119 | 4,119 |
| Petroleum | 71 | 75 | 77 | 75 | 75 |
| Natural Gas | 10 | 10 | 10 | 10 | 10 |
| Other Gases | 8 | 8 | 8 | 8 | 8 |
| Nuclear | - | - | - | - | - |
| Renewables | 559 | 537 | 617 | 879 | 1,272 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 4,774 | 4,758 | 4,839 | 5,091 | 5,484 |

- = 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, 2004 - 2008 (Megawatts)

North Dakota

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 485 | 432 | 443 | 486 | 486 |
| Solar | - | - | - | - | - |
| Wind | 64 | 96 | 164 | 383 | 776 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | - | - | - | - | - |
| Other Biomass | 10 | 10 | 10 | 10 | 10 |
| Total | 559 | 537 | 617 | 879 | 1,272 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

North Dakota

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 28,170 | 30,360 | 28,987 | 29,283 | 29,721 |
| Coal | 28,064 | 30,259 | 28,879 | 29,164 | 29,672 |
| Petroleum | 38 | 34 | 42 | 51 | 49 |
| Natural Gas | 9 | 8 | 7 | 17 | s |
| Other Gases | 58 | 59 | 59 | 53 | - |
| Nuclear | - | - | - | - | - |
| Renewables | 1,766 | 1,572 | 1,894 | 1,940 | 2,959 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | 1 | 54 |
| Total | 29,936 | 31,933 | 30,881 | 31,224 | 32,735 |

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: 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, 2004 - 2008
(Thousand Megawatthours)**

North Dakota

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,546 | 1,342 | 1,521 | 1,305 | 1,253 |
| Solar | - | - | - | - | - |
| Wind | 215 | 220 | 369 | 621 | 1,693 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW Biogenic/Landfill Gas | - | - | - | - | - |
| Other Biomass | 6 | 10 | 4 | 14 | 13 |
| Total | 1,766 | 1,572 | 1,894 | 1,940 | 2,959 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Ohio

| | | | |
|---------------------------------------------------|---------------------|--------------------------------|---------------------|
| 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 | 33,492 | 100.0 | |
| Total Net Summer Renewable Capacity | 214 | 0.6 | |
| Geothermal | - | - | |
| Hydro Conventional | 101 | 0.3 | |
| Solar | - | - | |
| Wind | 7 | * | |
| Wood/Wood Waste | 65 | 0.2 | |
| MSW/Landfill Gas | 41 | 0.1 | |
| Other Biomass | - | - | |
| <u>Generation (thousand megawatthours)</u> | | | |
| Total Electricity Net Generation | 153,412 | 100.0 | |
| Total Renewable Net Generation | 1,010 | 0.7 | |
| Geothermal | - | - | |
| Hydro Conventional | 386 | 0.3 | |
| Solar | - | - | |
| Wind | 15 | * | |
| Wood/Wood Waste | 418 | 0.3 | |
| MSW Biogenic/Landfill Gas | 183 | 0.1 | |
| Other Biomass | 8 | * | |

* = 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, 2004 - 2008 (Megawatts)

Ohio

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 31,756 | 31,627 | 31,582 | 31,418 | 31,154 |
| Coal | 22,412 | 22,313 | 22,264 | 22,074 | 21,815 |
| Petroleum | 1,057 | 1,057 | 1,057 | 1,075 | 1,047 |
| Natural Gas | 8,187 | 8,157 | 8,161 | 8,169 | 8,192 |
| Other Gases | 100 | 100 | 100 | 100 | 100 |
| Nuclear | 2,108 | 2,108 | 2,120 | 2,124 | 2,124 |
| Renewables | 186 | 135 | 175 | 213 | 214 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 34,050 | 33,870 | 33,877 | 33,755 | 33,492 |

- = 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, 2004 - 2008 (Megawatts)

Ohio

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 122 | 101 | 101 | 101 | 101 |
| Solar | - | - | - | - | - |
| Wind | 7 | 7 | 7 | 7 | 7 |
| Wood/Wood Waste | 54 | 24 | 64 | 64 | 65 |
| MSW/Landfill Gas | 4 | 4 | 4 | 41 | 41 |
| Other Biomass | - | - | - | - | - |
| Total | 186 | 135 | 175 | 213 | 214 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Ohio

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 131,238 | 141,210 | 137,494 | 138,543 | 134,878 |
| Coal | 128,157 | 136,826 | 133,400 | 133,131 | 130,694 |
| Petroleum | 1,388 | 1,390 | 1,355 | 1,148 | 1,438 |
| Natural Gas | 1,391 | 2,696 | 2,379 | 3,975 | 2,484 |
| Other Gases | 302 | 298 | 360 | 289 | 261 |
| Nuclear | 15,950 | 14,803 | 16,847 | 15,764 | 17,514 |
| Renewables | 1,158 | 961 | 1,091 | 846 | 1,010 |
| Pumped Storage | - | - | - | - | - |
| Other | s | 2 | 3 | 3 | 11 |
| Total | 148,346 | 156,976 | 155,434 | 155,156 | 153,412 |

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: 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, 2004 - 2008
(Thousand Megawatthours)**

Ohio

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|-------------|--------------|-------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 730 | 516 | 632 | 410 | 386 |
| Solar | - | - | - | - | - |
| Wind | - | 13 | 14 | 15 | 15 |
| Wood/Wood Waste | 398 | 406 | 410 | 399 | 418 |
| MSW Biogenic/Landfill Gas | 26 | 23 | 24 | 11 | 183 |
| Other Biomass | 4 | 4 | 10 | 10 | 8 |
| Total | 1,158 | 961 | 1,091 | 846 | 1,010 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Oklahoma

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> |
|------------------------------------------------|---------------|-----------------------------------|
| Total Net Summer Electricity Capacity | 20,262 | 100.0 |
| Total Net Summer Renewable Capacity | 1,637 | 8.1 |
| Geothermal | - | - |
| Hydro Conventional | 851 | 4.2 |
| Solar | - | - |
| Wind | 708 | 3.5 |
| Wood/Wood Waste | 63 | 0.3 |
| MSW/Landfill Gas | 16 | 0.1 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 76,329 | 100.0 |
| Total Renewable Net Generation | 6,362 | 8.3 |
| Geothermal | - | - |
| Hydro Conventional | 3,811 | 5.0 |
| Solar | - | - |
| Wind | 2,358 | 3.1 |
| Wood/Wood Waste | 23 | * |
| MSW Biogenic/Landfill Gas | 5 | * |
| Other Biomass | 164 | 0.2 |

* = 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, 2004 - 2008 (Megawatts)

Oklahoma

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 18,094 | 18,160 | 18,301 | 18,083 | 18,364 |
| Coal | 5,340 | 5,355 | 5,372 | 5,364 | 5,302 |
| Petroleum | 70 | 71 | 75 | 70 | 71 |
| Natural Gas | 12,609 | 12,735 | 12,854 | 12,649 | 12,985 |
| Other Gases | 75 | - | - | - | 6 |
| Nuclear | - | - | - | - | - |
| Renewables | 1,043 | 1,353 | 1,524 | 1,618 | 1,637 |
| Pumped Storage | 260 | 260 | 260 | 260 | 260 |
| Other | - | - | - | - | - |
| Total | 19,397 | 19,773 | 20,085 | 19,962 | 20,262 |

- = 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, 2004 - 2008 (Megawatts)

Oklahoma

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 788 | 800 | 851 | 851 | 851 |
| Solar | - | - | - | - | - |
| Wind | 176 | 474 | 594 | 689 | 708 |
| Wood/Wood Waste | 63 | 63 | 63 | 63 | 63 |
| MSW/Landfill Gas | 16 | 16 | 16 | 16 | 16 |
| Other Biomass | - | - | - | - | - |
| Total | 1,043 | 1,353 | 1,524 | 1,618 | 1,637 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Oklahoma

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 57,155 | 64,988 | 68,093 | 67,765 | 70,122 |
| Coal | 33,801 | 36,309 | 35,032 | 34,438 | 36,315 |
| Petroleum | 68 | 70 | 64 | 160 | 23 |
| Natural Gas | 23,286 | 28,590 | 32,981 | 33,144 | 33,774 |
| Other Gases | - | 19 | 16 | 22 | 10 |
| Nuclear | - | - | - | - | - |
| Renewables | 3,799 | 3,767 | 2,633 | 5,195 | 6,362 |
| Pumped Storage | -234 | -154 | -116 | -166 | -168 |
| Other | 9 | 6 | 5 | 25 | 13 |
| Total | 60,730 | 68,608 | 70,615 | 72,819 | 76,329 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Oklahoma

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 2,977 | 2,630 | 624 | 3,066 | 3,811 |
| Solar | - | - | - | - | - |
| Wind | 573 | 848 | 1,712 | 1,849 | 2,358 |
| Wood/Wood Waste | 250 | 289 | 297 | 276 | 23 |
| MSW Biogenic/Landfill Gas | - | - | - | 4 | 5 |
| Other Biomass | - | - | - | - | 164 |
| Total | 3,799 | 3,767 | 2,633 | 5,195 | 6,362 |

- = 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.

Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

Oregon

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 3,337 | 3,355 | 3,349 | 3,686 | 3,653 |
| Coal | 566 | 585 | 585 | 585 | 585 |
| Petroleum | - | - | - | - | - |
| Natural Gas | 2,771 | 2,770 | 2,764 | 3,101 | 3,068 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 8,756 | 8,844 | 8,984 | 9,523 | 9,676 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 12,093 | 12,198 | 12,333 | 13,209 | 13,328 |

- = 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, 2004 - 2008 (Megawatts)

Oregon

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 8,330 | 8,336 | 8,374 | 8,385 | 8,364 |
| Solar | - | - | - | - | - |
| Wind | 223 | 298 | 399 | 885 | 1,059 |
| Wood/Wood Waste | 186 | 193 | 195 | 215 | 230 |
| MSW/Landfill Gas | 14 | 14 | 14 | 20 | 20 |
| Other Biomass | 3 | 3 | 3 | 18 | 3 |
| Total | 8,756 | 8,844 | 8,984 | 9,523 | 9,676 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Oregon

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 17,144 | 16,736 | 13,621 | 19,224 | 21,446 |
| Coal | 3,556 | 3,466 | 2,371 | 4,352 | 4,044 |
| Petroleum | 63 | 78 | 12 | 14 | 15 |
| Natural Gas | 13,525 | 13,191 | 11,239 | 14,858 | 17,387 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 34,196 | 32,549 | 39,679 | 35,816 | 37,228 |
| Pumped Storage | - | - | - | - | - |
| Other | 42 | 40 | 40 | 38 | 44 |
| Total | 51,381 | 49,325 | 53,341 | 55,078 | 58,718 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Oregon

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 33,081 | 30,948 | 37,850 | 33,587 | 33,805 |
| Solar | - | - | - | - | - |
| Wind | 619 | 734 | 931 | 1,247 | 2,575 |
| Wood/Wood Waste | 410 | 768 | 799 | 843 | 717 |
| MSW Biogenic/Landfill Gas | 71 | 71 | 71 | 100 | 131 |
| Other Biomass | 15 | 27 | 28 | 38 | - |
| Total | 34,196 | 32,549 | 39,679 | 35,816 | 37,228 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Pennsylvania

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 | 45,130 | 100.0 |
| Total Net Summer Renewable Capacity | 1,619 | 3.6 |
| Geothermal | - | - |
| Hydro Conventional | 751 | 1.7 |
| Solar | 2 | * |
| Wind | 361 | 0.8 |
| Wood/Wood Waste | 108 | 0.2 |
| MSW/Landfill Gas | 397 | 0.9 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 222,351 | 100.0 |
| Total Renewable Net Generation | 5,353 | 2.4 |
| Geothermal | - | - |
| Hydro Conventional | 2,549 | 1.1 |
| Solar | s | * |
| Wind | 729 | 0.3 |
| Wood/Wood Waste | 658 | 0.3 |
| MSW Biogenic/Landfill Gas | 1,414 | 0.6 |
| Other Biomass | 2 | * |

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

* = 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, 2004 - 2008 (Megawatts)

Pennsylvania

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 33,074 | 32,774 | 32,893 | 32,751 | 32,654 |
| Coal | 18,662 | 18,659 | 18,771 | 18,581 | 18,513 |
| Petroleum | 4,918 | 4,604 | 4,664 | 4,660 | 4,540 |
| Natural Gas | 9,384 | 9,400 | 9,349 | 9,410 | 9,507 |
| Other Gases | 110 | 110 | 110 | 100 | 94 |
| Nuclear | 9,229 | 9,195 | 9,234 | 9,305 | 9,337 |
| Renewables | 1,329 | 1,423 | 1,365 | 1,529 | 1,619 |
| Pumped Storage | 1,505 | 1,505 | 1,513 | 1,521 | 1,521 |
| Other | - | - | - | - | - |
| Total | 45,136 | 44,897 | 45,005 | 45,106 | 45,130 |

- = 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, 2004 - 2008 (Megawatts)

Pennsylvania

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 751 | 748 | 748 | 748 | 751 |
| Solar | - | - | - | - | 2 |
| Wind | 132 | 223 | 150 | 293 | 361 |
| Wood/Wood Waste | 108 | 108 | 108 | 108 | 108 |
| MSW/Landfill Gas | 338 | 344 | 359 | 379 | 397 |
| Other Biomass | - | - | - | - | - |
| Total | 1,329 | 1,423 | 1,365 | 1,529 | 1,619 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Pennsylvania

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 131,715 | 137,221 | 138,173 | 143,909 | 137,862 |
| Coal | 117,176 | 120,933 | 122,558 | 122,693 | 117,583 |
| Petroleum | 4,142 | 4,940 | 1,518 | 1,484 | 938 |
| Natural Gas | 9,814 | 10,808 | 13,542 | 19,198 | 18,731 |
| Other Gases | 584 | 540 | 554 | 534 | 610 |
| Nuclear | 77,459 | 76,289 | 75,298 | 77,376 | 78,658 |
| Renewables | 5,431 | 4,561 | 5,317 | 4,782 | 5,353 |
| Pumped Storage | -686 | -711 | -698 | -723 | -354 |
| Other | 740 | 731 | 723 | 744 | 832 |
| Total | 214,659 | 218,091 | 218,812 | 226,088 | 222,351 |

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, 2004 - 2008
(Thousand Megawatthours)**

Pennsylvania

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 3,155 | 2,232 | 2,844 | 2,236 | 2,549 |
| Solar | - | - | - | - | s |
| Wind | 306 | 284 | 361 | 470 | 729 |
| Wood/Wood Waste | 680 | 687 | 683 | 620 | 658 |
| MSW Biogenic/Landfill Gas | 1,279 | 1,352 | 1,411 | 1,441 | 1,414 |
| Other Biomass | 10 | 6 | 18 | 16 | 2 |
| Total | 5,431 | 4,561 | 5,317 | 4,782 | 5,353 |

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

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Rhode Island

| | |
|--------------------------------------------|------------------------------------|
| Primary Renewable Energy Capacity Source | Municipal Solid Waste/Landfill Gas |
| Primary Renewable Energy Generation Source | Municipal Solid Waste/Landfill Gas |

| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
|------------------------------------------------|--------------|-------------------------------|
| Total Net Summer Electricity Capacity | 1,780 | 100.0 |
| Total Net Summer Renewable Capacity | 26 | 1.5 |
| Geothermal | - | - |
| Hydro Conventional | 3 | 0.2 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | 24 | 1.3 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 7,387 | 100.0 |
| Total Renewable Net Generation | 163 | 2.2 |
| Geothermal | - | - |
| Hydro Conventional | 5 | 0.1 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | - | - |
| MSW Biogenic/Landfill Gas | 158 | 2.1 |
| Other Biomass | - | - |

- = 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, 2004 - 2008 (Megawatts)

Rhode Island

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 1,723 | 1,720 | 1,743 | 1,754 | 1,754 |
| Coal | - | - | - | - | - |
| Petroleum | 31 | 29 | 31 | 29 | 26 |
| Natural Gas | 1,692 | 1,691 | 1,712 | 1,725 | 1,728 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 19 | 28 | 28 | 28 | 26 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 1,743 | 1,748 | 1,771 | 1,782 | 1,780 |

- = 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, 2004 - 2008 (Megawatts)

Rhode Island

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 4 | 4 | 4 | 4 | 3 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | 15 | 24 | 24 | 24 | 24 |
| Other Biomass | - | - | - | - | - |
| Total | 19 | 28 | 28 | 28 | 26 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Rhode Island

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 4,832 | 6,047 | 5,813 | 6,891 | 7,224 |
| Coal | - | - | - | - | - |
| Petroleum | 49 | 57 | 33 | 34 | 26 |
| Natural Gas | 4,784 | 5,989 | 5,780 | 6,857 | 7,198 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 107 | 7 | 155 | 159 | 163 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 4,939 | 6,053 | 5,968 | 7,050 | 7,387 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Rhode Island

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 5 | 7 | 6 | 4 | 5 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | - | - | - | - | - |
| MSW Biogenic/Landfill Gas | 102 | - | 149 | 155 | 158 |
| Other Biomass | - | - | - | - | - |
| Total | 107 | 7 | 155 | 159 | 163 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

South Carolina

| | | |
|---------------------------------------------------|---------------------|--------------------------------------|
| 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 Total</u> |
| Total Net Summer Electricity Capacity | 24,012 | 100.0 |
| Total Net Summer Renewable Capacity | 1,592 | 6.6 |
| Geothermal | - | - |
| Hydro Conventional | 1,337 | 5.6 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 220 | 0.9 |
| MSW/Landfill Gas | 35 | 0.1 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 100,978 | 100.0 |
| Total Renewable Net Generation | 2,939 | 2.9 |
| Geothermal | - | - |
| Hydro Conventional | 1,123 | 1.1 |
| Solar | - | - |
| Wind | - | - |
| Wood/Wood Waste | 1,696 | 1.7 |
| MSW Biogenic/Landfill Gas | 120 | 0.1 |
| Other Biomass | - | 0.0 |

- = 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, 2004 - 2008 (Megawatts)

South Carolina

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 11,901 | 11,880 | 12,100 | 12,682 | 13,281 |
| Coal | 6,072 | 6,072 | 6,088 | 6,641 | 7,242 |
| Petroleum | 686 | 692 | 685 | 685 | 705 |
| Natural Gas | 5,143 | 5,116 | 5,327 | 5,355 | 5,335 |
| Other Gases | - | - | - | - | - |
| Nuclear | 6,472 | 6,472 | 6,472 | 6,472 | 6,472 |
| Renewables | 1,573 | 1,583 | 1,594 | 1,587 | 1,592 |
| Pumped Storage | 2,251 | 2,616 | 2,616 | 2,826 | 2,666 |
| Other | - | - | - | - | - |
| Total | 22,196 | 22,551 | 22,782 | 23,566 | 24,012 |

- = 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, 2004 - 2008 (Megawatts)

South Carolina

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,340 | 1,348 | 1,345 | 1,337 | 1,337 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 220 | 217 | 220 | 220 | 220 |
| MSW/Landfill Gas | 13 | 19 | 29 | 29 | 35 |
| Other Biomass | - | - | - | - | - |
| Total | 1,573 | 1,583 | 1,594 | 1,587 | 1,592 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

South Carolina

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|----------------|---------------|----------------|----------------|
| Fossil | 43,591 | 45,730 | 45,778 | 47,765 | 47,449 |
| Coal | 38,922 | 39,692 | 39,473 | 41,583 | 41,540 |
| Petroleum | 871 | 618 | 237 | 217 | 180 |
| Natural Gas | 3,798 | 5,414 | 6,068 | 5,965 | 5,729 |
| Other Gases | s | 6 | s | s | - |
| Nuclear | 51,201 | 53,138 | 50,797 | 53,200 | 51,763 |
| Renewables | 4,210 | 4,752 | 3,717 | 3,552 | 2,939 |
| Pumped Storage | -1,149 | -1,199 | -1,120 | -1,211 | -1,267 |
| Other | 87 | 94 | 95 | 96 | 94 |
| Total | 97,940 | 102,515 | 99,268 | 103,402 | 100,978 |

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: 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, 2004 - 2008
(Thousand Megawatthours)**

South Carolina

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 2,447 | 2,938 | 1,807 | 1,556 | 1,123 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 1,694 | 1,726 | 1,804 | 1,895 | 1,696 |
| MSW Biogenic/Landfill Gas | 69 | 88 | 106 | 101 | 120 |
| Other Biomass | - | - | - | - | - |
| Total | 4,210 | 4,752 | 3,717 | 3,552 | 2,939 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

South Dakota

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 | 3,105 | 100.0 |
| Total Net Summer Renewable Capacity | 1,656 | 53.3 |
| Geothermal | - | - |
| Hydro Conventional | 1,463 | 47.1 |
| Solar | - | - |
| Wind | 193 | 6.2 |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | - | - |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 7,083 | 100.0 |
| Total Renewable Net Generation | 3,140 | 44.3 |
| Geothermal | - | - |
| Hydro Conventional | 2,993 | 42.3 |
| Solar | - | - |
| Wind | 145 | 2.0 |
| Wood/Wood Waste | - | - |
| MSW Biogenic/Landfill Gas | - | - |
| Other Biomass | 2 | * |

* = 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, 2004 - 2008 (Megawatts)

South Dakota

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 1,089 | 1,259 | 1,374 | 1,364 | 1,449 |
| Coal | 477 | 482 | 492 | 492 | 497 |
| Petroleum | 228 | 224 | 232 | 226 | 230 |
| Natural Gas | 385 | 553 | 649 | 645 | 722 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 1,569 | 1,543 | 1,559 | 1,506 | 1,656 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 2,659 | 2,802 | 2,933 | 2,870 | 3,105 |

- = 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, 2004 - 2008 (Megawatts)

South Dakota

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,526 | 1,500 | 1,516 | 1,463 | 1,463 |
| Solar | - | - | - | - | - |
| Wind | 43 | 43 | 43 | 43 | 193 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 1,569 | 1,543 | 1,559 | 1,506 | 1,656 |

- = 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. 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, 2004 - 2008
(Thousand Megawatthours)**

South Dakota

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 3,755 | 3,288 | 3,586 | 3,069 | 3,912 |
| Coal | 3,620 | 2,996 | 3,316 | 2,655 | 3,660 |
| Petroleum | 23 | 21 | 5 | 63 | 23 |
| Natural Gas | 112 | 271 | 266 | 351 | 229 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 3,755 | 3,233 | 3,546 | 3,067 | 3,140 |
| Pumped Storage | - | - | - | - | - |
| Other | - | s | s | s | 31 |
| Total | 7,510 | 6,521 | 7,132 | 6,137 | 7,083 |

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: 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, 2004 - 2008
(Thousand Megawatthours)**

South Dakota

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 3,598 | 3,075 | 3,397 | 2,917 | 2,993 |
| Solar | - | - | - | - | - |
| Wind | 158 | 158 | 149 | 150 | 145 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW Biogenic/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | 2 |
| Total | 3,755 | 3,233 | 3,546 | 3,067 | 3,140 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Tennessee

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 | 20,891 | 100.0 |
| Total Net Summer Renewable Capacity | 2,842 | 13.6 |
| Geothermal | - | - |
| Hydro Conventional | 2,639 | 12.6 |
| Solar | - | - |
| Wind | 29 | 0.1 |
| Wood/Wood Waste | 165 | 0.8 |
| MSW/Landfill Gas | 8 | * |
| Other Biomass | 2 | * |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 90,663 | 100.0 |
| Total Renewable Net Generation | 6,611 | 7.3 |
| Geothermal | - | - |
| Hydro Conventional | 5,646 | 6.2 |
| Solar | - | - |
| Wind | 50 | 0.1 |
| Wood/Wood Waste | 879 | 1.0 |
| MSW Biogenic/Landfill Gas | 27 | * |
| Other Biomass | 9 | * |

* = 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, 2004 - 2008 (Megawatts)

Tennessee

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 13,198 | 12,997 | 13,051 | 12,974 | 12,999 |
| Coal | 8,899 | 8,874 | 8,841 | 8,816 | 8,841 |
| Petroleum | 56 | 58 | 58 | 58 | 58 |
| Natural Gas | 4,243 | 4,066 | 4,153 | 4,101 | 4,101 |
| Other Gases | - | - | - | - | - |
| Nuclear | 3,398 | 3,398 | 3,398 | 3,397 | 3,397 |
| Renewables | 2,748 | 2,756 | 2,821 | 2,838 | 2,842 |
| Pumped Storage | 1,597 | 1,597 | 1,635 | 1,653 | 1,653 |
| Other | - | - | - | - | - |
| Total | 20,941 | 20,749 | 20,905 | 20,861 | 20,891 |

- = 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, 2004 - 2008 (Megawatts)

Tennessee

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 2,608 | 2,608 | 2,638 | 2,635 | 2,639 |
| Solar | - | - | - | - | - |
| Wind | 29 | 29 | 29 | 29 | 29 |
| Wood/Wood Waste | 107 | 113 | 147 | 165 | 165 |
| MSW/Landfill Gas | 5 | 5 | 5 | 8 | 8 |
| Other Biomass | - | 2 | 2 | 2 | 2 |
| Total | 2,748 | 2,756 | 2,821 | 2,838 | 2,842 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Tennessee

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 58,556 | 59,828 | 61,336 | 61,205 | 57,753 |
| Coal | 58,060 | 59,051 | 60,498 | 60,237 | 57,058 |
| Petroleum | 191 | 231 | 160 | 232 | 216 |
| Natural Gas | 292 | 531 | 664 | 722 | 467 |
| Other Gases | 13 | 15 | 14 | 13 | 12 |
| Nuclear | 28,612 | 27,803 | 24,679 | 28,700 | 27,030 |
| Renewables | 11,238 | 10,076 | 8,559 | 5,910 | 6,611 |
| Pumped Storage | -818 | -598 | -668 | -704 | -739 |
| Other | 6 | 9 | 5 | 3 | 8 |
| Total | 97,595 | 97,117 | 93,911 | 95,113 | 90,663 |

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, 2004 - 2008
(Thousand Megawatthours)**

Tennessee

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|---------------|---------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 10,408 | 9,310 | 7,749 | 4,940 | 5,646 |
| Solar | - | - | - | - | - |
| Wind | 4 | 3 | 55 | 50 | 50 |
| Wood/Wood Waste | 784 | 695 | 698 | 868 | 879 |
| MSW Biogenic/Landfill Gas | 20 | 27 | 24 | 19 | 27 |
| Other Biomass | 22 | 41 | 35 | 33 | 9 |
| Total | 11,238 | 10,076 | 8,559 | 5,910 | 6,611 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Texas

| | | |
|---------------------------------------------------|---------------------|--------------------------------------|
| Primary Renewable Energy Capacity Source | Wind | |
| Primary Renewable Energy Generation Source | Wind | |
| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
| Total Net Summer Electricity Capacity | 104,966 | 100.0 |
| Total Net Summer Renewable Capacity | 8,380 | 8.0 |
| Geothermal | - | - |
| Hydro Conventional | 673 | 0.6 |
| Solar | - | - |
| Wind | 7,427 | 7.1 |
| Wood/Wood Waste | 180 | 0.2 |
| MSW/Landfill Gas | 73 | 0.1 |
| Other Biomass | 29 | * |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 404,788 | 100.0 |
| Total Renewable Net Generation | 18,679 | 4.6 |
| Geothermal | - | - |
| Hydro Conventional | 1,039 | 0.3 |
| Solar | - | - |
| Wind | 16,225 | 4.0 |
| Wood/Wood Waste | 976 | 0.2 |
| MSW Biogenic/Landfill Gas | 401 | 0.1 |
| Other Biomass | 38 | * |

* = 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, 2004 - 2008 (Megawatts)

Texas

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 94,007 | 93,373 | 92,088 | 91,494 | 91,450 |
| Coal | 20,201 | 20,188 | 19,843 | 19,817 | 20,189 |
| Petroleum | 231 | 222 | 220 | 216 | 218 |
| Natural Gas | 73,216 | 72,726 | 71,737 | 71,152 | 70,856 |
| Other Gases | 359 | 237 | 287 | 308 | 187 |
| Nuclear | 4,860 | 4,860 | 4,860 | 4,860 | 4,927 |
| Renewables | 2,101 | 2,614 | 3,607 | 5,385 | 8,380 |
| Pumped Storage | - | - | - | - | - |
| Other | 136 | 199 | 200 | 199 | 209 |
| Total | 101,104 | 101,046 | 100,754 | 101,938 | 104,966 |

- = 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, 2004 - 2008 (Megawatts)

Texas

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 668 | 673 | 681 | 673 | 673 |
| Solar | - | - | - | - | - |
| Wind | 1,286 | 1,755 | 2,738 | 4,490 | 7,427 |
| Wood/Wood Waste | 100 | 130 | 130 | 130 | 180 |
| MSW/Landfill Gas | 40 | 41 | 42 | 72 | 73 |
| Other Biomass | 8 | 16 | 16 | 21 | 29 |
| Total | 2,101 | 2,614 | 3,607 | 5,385 | 8,380 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Texas

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 343,572 | 350,878 | 349,849 | 351,720 | 344,813 |
| Coal | 148,885 | 148,358 | 146,391 | 147,279 | 147,132 |
| Petroleum | 1,729 | 1,583 | 1,789 | 1,309 | 1,034 |
| Natural Gas | 188,755 | 197,665 | 197,870 | 199,531 | 193,247 |
| Other Gases | 4,204 | 3,272 | 3,798 | 3,601 | 3,401 |
| Nuclear | 40,435 | 38,232 | 41,264 | 40,955 | 40,727 |
| Renewables | 5,547 | 6,668 | 8,480 | 11,932 | 18,679 |
| Pumped Storage | - | - | - | - | - |
| Other | 745 | 890 | 989 | 885 | 569 |
| Total | 390,299 | 396,669 | 400,583 | 405,492 | 404,788 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Texas

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|---------------|---------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,301 | 1,333 | 662 | 1,644 | 1,039 |
| Solar | - | - | - | - | - |
| Wind | 3,138 | 4,237 | 6,671 | 9,006 | 16,225 |
| Wood/Wood Waste | 857 | 852 | 892 | 914 | 976 |
| MSW Biogenic/Landfill Gas | 221 | 207 | 219 | 322 | 401 |
| Other Biomass | 31 | 40 | 37 | 45 | 38 |
| Total | 5,547 | 6,668 | 8,480 | 11,932 | 18,679 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Utah

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 | 7,132 | 100.0 |
| Total Net Summer Renewable Capacity | 313 | 4.4 |
| Geothermal | 34 | 0.5 |
| Hydro Conventional | 256 | 3.6 |
| Solar | - | - |
| Wind | 19 | 0.3 |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | 5 | 0.1 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 46,579 | 100.0 |
| Total Renewable Net Generation | 970 | 2.1 |
| Geothermal | 254 | 0.5 |
| Hydro Conventional | 668 | 1.4 |
| Solar | - | - |
| Wind | 24 | 0.1 |
| Wood/Wood Waste | - | - |
| MSW Biogenic/Landfill Gas | 24 | 0.1 |
| Other Biomass | - | - |

- = 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, 2004 - 2008 (Megawatts)

Utah

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 5,855 | 6,249 | 6,398 | 6,830 | 6,819 |
| Coal | 4,826 | 4,891 | 4,891 | 4,871 | 4,871 |
| Petroleum | 38 | 35 | 35 | 25 | 25 |
| Natural Gas | 991 | 1,323 | 1,473 | 1,934 | 1,923 |
| Other Gases | - | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 278 | 279 | 282 | 293 | 313 |
| Pumped Storage | - | - | - | - | - |
| Other | 57 | - | 32 | - | - |
| Total | 6,190 | 6,528 | 6,712 | 7,122 | 7,132 |

- = 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, 2004 - 2008 (Megawatts)

Utah

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | 23 | 23 | 23 | 33 | 34 |
| Hydro Conventional | 254 | 255 | 255 | 255 | 256 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | 19 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | 1 | 1 | 4 | 5 | 5 |
| Other Biomass | - | - | - | - | - |
| Total | 278 | 279 | 282 | 293 | 313 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Utah

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 37,560 | 37,189 | 40,306 | 44,634 | 45,466 |
| Coal | 36,618 | 35,970 | 36,856 | 37,171 | 38,020 |
| Petroleum | 33 | 41 | 62 | 39 | 44 |
| Natural Gas | 910 | 1,178 | 3,389 | 7,424 | 7,366 |
| Other Gases | - | - | - | - | 36 |
| Nuclear | - | - | - | - | - |
| Renewables | 649 | 973 | 952 | 734 | 970 |
| Pumped Storage | - | - | - | - | - |
| Other | 3 | 3 | 5 | 5 | 143 |
| Total | 38,212 | 38,165 | 41,263 | 45,373 | 46,579 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Utah

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | 195 | 185 | 191 | 164 | 254 |
| Hydro Conventional | 450 | 784 | 747 | 539 | 668 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | 24 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW Biogenic/Landfill Gas | 4 | 4 | 15 | 31 | 24 |
| Other Biomass | - | - | - | - | - |
| Total | 649 | 973 | 952 | 734 | 970 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Vermont

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 | 1,127 | 100.0 |
| Total Net Summer Renewable Capacity | 406 | 36.0 |
| Geothermal | - | - |
| Hydro Conventional | 322 | 28.5 |
| Solar | - | - |
| Wind | 5 | 0.5 |
| Wood/Wood Waste | 76 | 6.7 |
| MSW/Landfill Gas | 3 | 0.3 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 6,820 | 100.0 |
| Total Renewable Net Generation | 1,918 | 28.1 |
| Geothermal | - | - |
| Hydro Conventional | 1,493 | 21.9 |
| Solar | - | - |
| Wind | 10 | 0.2 |
| Wood/Wood Waste | 415 | 6.1 |
| MSW Biogenic/Landfill Gas | - | 0.0 |
| Other Biomass | - | - |

- = 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, 2004 - 2008 (Megawatts)

Vermont

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|--------------|--------------|--------------|--------------|
| Fossil | 107 | 107 | 108 | 101 | 101 |
| Coal | - | - | - | - | - |
| Petroleum | 107 | 107 | 108 | 101 | 101 |
| Natural Gas | - | - | - | - | - |
| Other Gases | - | - | - | - | - |
| Nuclear | 506 | 506 | 620 | 620 | 620 |
| Renewables | 385 | 389 | 390 | 389 | 406 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 998 | 1,002 | 1,117 | 1,111 | 1,127 |

- = 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, 2004 - 2008 (Megawatts)

Vermont

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 304 | 309 | 309 | 308 | 322 |
| Solar | - | - | - | - | - |
| Wind | 5 | 5 | 5 | 5 | 5 |
| Wood/Wood Waste | 76 | 76 | 76 | 76 | 76 |
| MSW/Landfill Gas | - | - | - | - | 3 |
| Other Biomass | - | - | - | - | - |
| Total | 385 | 389 | 390 | 389 | 406 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Vermont

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 21 | 12 | 9 | 10 | 7 |
| Coal | - | - | - | - | - |
| Petroleum | 18 | 10 | 7 | 8 | 4 |
| Natural Gas | 3 | 2 | 2 | 2 | 3 |
| Other Gases | - | - | - | - | - |
| Nuclear | 3,858 | 4,072 | 5,107 | 4,704 | 4,895 |
| Renewables | 1,591 | 1,633 | 1,969 | 1,110 | 1,918 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 5,470 | 5,717 | 7,084 | 5,824 | 6,820 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Vermont

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,187 | 1,211 | 1,519 | 647 | 1,493 |
| Solar | - | - | - | - | - |
| Wind | 11 | 11 | 11 | 11 | 10 |
| Wood/Wood Waste | 393 | 410 | 439 | 453 | 415 |
| MSW Biogenic/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 1,591 | 1,633 | 1,969 | 1,110 | 1,918 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

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 | 23,476 | 100.0 | |
| Total Net Summer Renewable Capacity | 1,368 | 5.8 | |
| Geothermal | - | - | |
| Hydro Conventional | 677 | 2.9 | |
| Solar | - | - | |
| Wind | - | - | |
| Wood/Wood Waste | 422 | 1.8 | |
| MSW/Landfill Gas | 269 | 1.1 | |
| Other Biomass | - | - | |
| <u>Generation (thousand megawatthours)</u> | | | |
| Total Electricity Net Generation | 72,679 | 100.0 | |
| Total Renewable Net Generation | 3,709 | 5.1 | |
| Geothermal | - | - | |
| Hydro Conventional | 1,011 | 1.4 | |
| Solar | - | - | |
| Wind | - | - | |
| Wood/Wood Waste | 1,916 | 2.6 | |
| MSW Biogenic/Landfill Gas | 761 | 1.0 | |
| Other Biomass | 21 | * | |

* = 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, 2004 - 2008 (Megawatts)

Virginia

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 15,008 | 15,001 | 14,968 | 15,080 | 15,543 |
| Coal | 5,797 | 5,783 | 5,774 | 5,794 | 5,773 |
| Petroleum | 2,457 | 2,390 | 2,386 | 2,418 | 2,418 |
| Natural Gas | 6,754 | 6,828 | 6,809 | 6,869 | 7,351 |
| Other Gases | - | - | - | - | - |
| Nuclear | 3,440 | 3,432 | 3,432 | 3,404 | 3,404 |
| Renewables | 1,358 | 1,249 | 1,251 | 1,347 | 1,368 |
| Pumped Storage | 2,700 | 2,917 | 2,997 | 3,161 | 3,161 |
| Other | - | - | - | - | - |
| Total | 22,506 | 22,599 | 22,648 | 22,992 | 23,476 |

- = 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, 2004 - 2008 (Megawatts)

Virginia

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 782 | 672 | 671 | 675 | 677 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 407 | 409 | 410 | 418 | 422 |
| MSW/Landfill Gas | 168 | 168 | 170 | 254 | 269 |
| Other Biomass | - | - | - | - | - |
| Total | 1,358 | 1,249 | 1,251 | 1,347 | 1,368 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Virginia

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 47,247 | 47,984 | 42,343 | 48,422 | 42,242 |
| Coal | 35,656 | 35,425 | 34,288 | 35,421 | 31,776 |
| Petroleum | 5,154 | 4,265 | 839 | 2,097 | 1,150 |
| Natural Gas | 6,438 | 8,295 | 7,215 | 10,904 | 9,315 |
| Other Gases | - | - | - | - | - |
| Nuclear | 28,315 | 27,918 | 27,594 | 27,268 | 27,931 |
| Renewables | 4,015 | 3,982 | 3,810 | 3,814 | 3,709 |
| Pumped Storage | -1,166 | -1,421 | -1,167 | -1,620 | -1,638 |
| Other | 488 | 479 | 491 | 477 | 434 |
| Total | 78,900 | 78,943 | 73,070 | 78,361 | 72,679 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Virginia

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,583 | 1,484 | 1,351 | 1,248 | 1,011 |
| Solar | - | - | - | - | - |
| Wind | - | - | - | - | - |
| Wood/Wood Waste | 1,733 | 1,803 | 1,780 | 1,792 | 1,916 |
| MSW Biogenic/Landfill Gas | 674 | 674 | 662 | 753 | 761 |
| Other Biomass | 25 | 21 | 17 | 20 | 21 |
| Total | 4,015 | 3,982 | 3,810 | 3,814 | 3,709 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Washington

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 | 29,494 | 100.0 |
| Total Net Summer Renewable Capacity | 22,919 | 77.7 |
| Geothermal | - | - |
| Hydro Conventional | 21,203 | 71.9 |
| Solar | 1 | * |
| Wind | 1,365 | 4.6 |
| Wood/Wood Waste | 314 | 1.1 |
| MSW/Landfill Gas | 36 | 0.1 |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 110,828 | 100.0 |
| Total Renewable Net Generation | 82,575 | 74.5 |
| Geothermal | - | - |
| Hydro Conventional | 77,637 | 70.1 |
| Solar | - | 0.0 |
| Wind | 3,657 | 3.3 |
| Wood/Wood Waste | 1,113 | 1.0 |
| MSW Biogenic/Landfill Gas | 156 | 0.1 |
| Other Biomass | 12 | * |

* = 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, 2004 - 2008 (Megawatts)

Washington

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 4,459 | 4,439 | 4,436 | 4,343 | 5,130 |
| Coal | 1,407 | 1,405 | 1,405 | 1,405 | 1,376 |
| Petroleum | 39 | 40 | 40 | 4 | 4 |
| Natural Gas | 3,013 | 2,994 | 2,991 | 2,933 | 3,750 |
| Other Gases | - | - | - | - | - |
| Nuclear | 1,122 | 1,131 | 1,131 | 1,131 | 1,131 |
| Renewables | 21,678 | 21,907 | 22,343 | 22,828 | 22,919 |
| Pumped Storage | 314 | 314 | 314 | 314 | 314 |
| Other | - | - | - | - | - |
| Total | 27,573 | 27,791 | 28,224 | 28,615 | 29,494 |

- = 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, 2004 - 2008 (Megawatts)

Washington

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 21,070 | 21,146 | 21,156 | 21,333 | 21,203 |
| Solar | - | - | - | 1 | 1 |
| Wind | 243 | 393 | 821 | 1,162 | 1,365 |
| Wood/Wood Waste | 326 | 328 | 326 | 296 | 314 |
| MSW/Landfill Gas | 35 | 35 | 35 | 36 | 36 |
| Other Biomass | 4 | 4 | 4 | - | - |
| Total | 21,678 | 21,907 | 22,343 | 22,828 | 22,919 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Washington

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|----------------|
| Fossil | 19,239 | 19,462 | 14,255 | 16,215 | 18,879 |
| Coal | 10,409 | 10,494 | 6,373 | 8,557 | 8,762 |
| Petroleum | 86 | 67 | 38 | 37 | 35 |
| Natural Gas | 8,469 | 8,579 | 7,495 | 7,287 | 9,809 |
| Other Gases | 275 | 322 | 349 | 334 | 272 |
| Nuclear | 8,982 | 8,242 | 9,328 | 8,109 | 9,270 |
| Renewables | 73,887 | 74,188 | 84,510 | 82,560 | 82,575 |
| Pumped Storage | -10 | 8 | 47 | 45 | 49 |
| Other | 67 | 65 | 62 | 62 | 56 |
| Total | 102,165 | 101,966 | 108,203 | 106,990 | 110,828 |

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, 2004 - 2008
(Thousand Megawatthours)**

Washington

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|---------------|---------------|---------------|---------------|---------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 71,576 | 72,075 | 82,008 | 78,829 | 77,637 |
| Solar | - | - | - | - | - |
| Wind | 737 | 498 | 1,038 | 2,438 | 3,657 |
| Wood/Wood Waste | 1,389 | 1,425 | 1,281 | 1,116 | 1,113 |
| MSW Biogenic/Landfill Gas | 164 | 171 | 165 | 163 | 156 |
| Other Biomass | 22 | 20 | 19 | 13 | 12 |
| Total | 73,887 | 74,188 | 84,510 | 82,560 | 82,575 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

West Virginia

| | | | |
|---------------------------------------------------|---------------------|--------------------------------------|--|
| Primary Renewable Energy Capacity Source | Wind | | |
| Primary Renewable Energy Generation Source | Hydro | Conventional | |
| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> | |
| Total Net Summer Electricity Capacity | 16,350 | 100.0 | |
| Total Net Summer Renewable Capacity | 594 | 3.6 | |
| Geothermal | - | - | |
| Hydro Conventional | 264 | 1.6 | |
| Solar | - | - | |
| Wind | 330 | 2.0 | |
| Wood/Wood Waste | - | - | |
| MSW/Landfill Gas | - | - | |
| Other Biomass | - | - | |
| <u>Generation (thousand megawatthours)</u> | | | |
| Total Electricity Net Generation | 91,123 | 100.0 | |
| Total Renewable Net Generation | 1,640 | 1.8 | |
| Geothermal | - | - | |
| Hydro Conventional | 1,248 | 1.4 | |
| Solar | - | - | |
| Wind | 392 | 0.4 | |
| Wood/Wood Waste | s | * | |
| MSW Biogenic/Landfill Gas | - | - | |
| Other Biomass | - | 0.0 | |

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

* = 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, 2004 - 2008 (Megawatts)

West Virginia

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 16,112 | 16,130 | 16,113 | 15,769 | 15,756 |
| Coal | 14,723 | 14,733 | 14,745 | 14,715 | 14,703 |
| Petroleum | 12 | 12 | 12 | 12 | 11 |
| Natural Gas | 1,282 | 1,386 | 1,357 | 1,042 | 1,042 |
| Other Gases | 95 | - | - | - | - |
| Nuclear | - | - | - | - | - |
| Renewables | 290 | 330 | 330 | 330 | 594 |
| Pumped Storage | - | - | - | - | - |
| Other | - | - | - | - | - |
| Total | 16,402 | 16,460 | 16,443 | 16,099 | 16,350 |

- = 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, 2004 - 2008 (Megawatts)

West Virginia

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 224 | 264 | 264 | 264 | 264 |
| Solar | - | - | - | - | - |
| Wind | 66 | 66 | 66 | 66 | 330 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 290 | 330 | 330 | 330 | 594 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

West Virginia

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 88,255 | 92,013 | 92,063 | 92,511 | 89,481 |
| Coal | 87,585 | 91,417 | 91,473 | 91,866 | 89,113 |
| Petroleum | 268 | 223 | 175 | 200 | 137 |
| Natural Gas | 255 | 287 | 362 | 389 | 180 |
| Other Gases | 148 | 86 | 53 | 56 | 50 |
| Nuclear | - | - | - | - | - |
| Renewables | 1,482 | 1,602 | 1,746 | 1,422 | 1,640 |
| Pumped Storage | - | - | - | - | - |
| Other | 13 | 11 | 6 | s | 2 |
| Total | 89,750 | 93,626 | 93,816 | 93,933 | 91,123 |

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: 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, 2004 - 2008
(Thousand Megawatthours)**

West Virginia

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,318 | 1,448 | 1,572 | 1,254 | 1,248 |
| Solar | - | - | - | - | - |
| Wind | 161 | 154 | 174 | 168 | 392 |
| Wood/Wood Waste | 1 | s | - | - | s |
| MSW Biogenic/Landfill Gas | - | - | - | - | - |
| Other Biomass | 2 | s | s | - | - |
| Total | 1,482 | 1,602 | 1,746 | 1,422 | 1,640 |

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

- = 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.

Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

Wisconsin

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 12,329 | 13,800 | 14,000 | 13,926 | 15,015 |
| Coal | 7,133 | 7,146 | 7,063 | 6,945 | 7,597 |
| Petroleum | 762 | 789 | 881 | 949 | 874 |
| Natural Gas | 4,433 | 5,866 | 6,056 | 6,032 | 6,544 |
| Other Gases | - | - | - | - | - |
| Nuclear | 1,586 | 1,582 | 1,582 | 1,582 | 1,582 |
| Renewables | 799 | 805 | 813 | 836 | 1,003 |
| Pumped Storage | - | - | - | - | - |
| Other | 21 | 21 | 21 | 21 | 21 |
| Total | 14,734 | 16,208 | 16,415 | 16,365 | 17,622 |

- = 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, 2004 - 2008 (Megawatts)

Wisconsin

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 482 | 487 | 476 | 488 | 485 |
| Solar | - | - | - | - | - |
| Wind | 36 | 45 | 53 | 44 | 231 |
| Wood/Wood Waste | 198 | 221 | 220 | 232 | 208 |
| MSW/Landfill Gas | 75 | 50 | 62 | 71 | 72 |
| Other Biomass | 8 | 1 | 1 | 1 | 8 |
| Total | 799 | 805 | 813 | 836 | 1,003 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Wisconsin

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 45,349 | 48,863 | 46,352 | 47,530 | 47,881 |
| Coal | 42,148 | 41,729 | 40,116 | 40,028 | 41,706 |
| Petroleum | 796 | 747 | 877 | 1,013 | 931 |
| Natural Gas | 2,405 | 6,387 | 5,358 | 6,489 | 5,244 |
| Other Gases | - | - | - | - | - |
| Nuclear | 11,888 | 9,921 | 12,234 | 12,910 | 12,155 |
| Renewables | 3,094 | 2,922 | 2,944 | 2,846 | 3,370 |
| Pumped Storage | - | - | - | - | - |
| Other | 114 | 119 | 110 | 104 | 74 |
| Total | 60,445 | 61,825 | 61,640 | 63,391 | 63,480 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Wisconsin

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 1,981 | 1,740 | 1,679 | 1,516 | 1,616 |
| Solar | - | - | - | - | - |
| Wind | 104 | 93 | 101 | 109 | 487 |
| Wood/Wood Waste | 605 | 740 | 774 | 785 | 775 |
| MSW Biogenic/Landfill Gas | 357 | 325 | 375 | 414 | 474 |
| Other Biomass | 48 | 24 | 16 | 21 | 18 |
| Total | 3,094 | 2,922 | 2,944 | 2,846 | 3,370 |

- = 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.

Table 1. Summary Renewable Electric Power Industry Statistics (2008)

Wyoming

| | | |
|---------------------------------------------------|---------------------|--------------------------------------|
| Primary Renewable Energy Capacity Source | Wind | |
| Primary Renewable Energy Generation Source | Wind | |
| <u>Capacity (megawatts)</u> | <u>Value</u> | <u>Percent of State Total</u> |
| Total Net Summer Electricity Capacity | 7,145 | 100.0 |
| Total Net Summer Renewable Capacity | 983 | 13.8 |
| Geothermal | - | - |
| Hydro Conventional | 303 | 4.2 |
| Solar | - | - |
| Wind | 680 | 9.5 |
| Wood/Wood Waste | - | - |
| MSW/Landfill Gas | - | - |
| Other Biomass | - | - |
| <u>Generation (thousand megawatthours)</u> | | |
| Total Electricity Net Generation | 46,500 | 100.0 |
| Total Renewable Net Generation | 1,798 | 3.9 |
| Geothermal | - | - |
| Hydro Conventional | 835 | 1.8 |
| Solar | - | - |
| Wind | 963 | 2.1 |
| Wood/Wood Waste | - | - |
| MSW Biogenic/Landfill Gas | - | - |
| Other Biomass | - | - |

- = 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, 2004 - 2008 (Megawatts)

Wyoming

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Fossil | 5,959 | 6,105 | 6,105 | 6,065 | 6,150 |
| Coal | 5,792 | 5,847 | 5,847 | 5,847 | 5,932 |
| Petroleum | 6 | 6 | 6 | 7 | 7 |
| Natural Gas | 161 | 160 | 160 | 120 | 120 |
| Other Gases | - | 92 | 92 | 92 | 92 |
| Nuclear | - | - | - | - | - |
| Renewables | 588 | 590 | 590 | 590 | 983 |
| Pumped Storage | - | - | - | - | - |
| Other | 12 | 12 | 12 | 12 | 12 |
| Total | 6,558 | 6,707 | 6,707 | 6,667 | 7,145 |

- = 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, 2004 - 2008 (Megawatts)

Wyoming

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|-------------|-------------|-------------|-------------|-------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 303 | 303 | 303 | 303 | 303 |
| Solar | - | - | - | - | - |
| Wind | 285 | 287 | 287 | 287 | 680 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 588 | 590 | 590 | 590 | 983 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Wyoming

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 43,491 | 43,977 | 43,749 | 44,080 | 44,635 |
| Coal | 43,346 | 43,346 | 42,892 | 43,127 | 43,808 |
| Petroleum | 46 | 42 | 46 | 47 | 44 |
| Natural Gas | 87 | 325 | 501 | 594 | 495 |
| Other Gases | 13 | 264 | 310 | 312 | 289 |
| Nuclear | - | - | - | - | - |
| Renewables | 1,210 | 1,526 | 1,602 | 1,484 | 1,798 |
| Pumped Storage | - | - | - | - | - |
| Other | 107 | 65 | 49 | 69 | 67 |
| Total | 44,808 | 45,567 | 45,400 | 45,633 | 46,500 |

- = 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, 2004 - 2008
(Thousand Megawatthours)**

Wyoming

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 593 | 808 | 843 | 729 | 835 |
| Solar | - | - | - | - | - |
| Wind | 617 | 717 | 759 | 755 | 963 |
| Wood/Wood Waste | - | - | - | - | - |
| MSW Biogenic/Landfill Gas | - | - | - | - | - |
| Other Biomass | - | - | - | - | - |
| Total | 1,210 | 1,526 | 1,602 | 1,484 | 1,798 |

- = 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.

Table 2. Total Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

United States

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|----------------|----------------|----------------|----------------|------------------|
| Fossil | 745,446 | 757,053 | 761,603 | 763,994 | 770,193 |
| Coal | 313,020 | 313,380 | 312,956 | 312,738 | 313,322 |
| Petroleum | 59,119 | 58,548 | 58,097 | 56,068 | 57,445 |
| Natural Gas | 371,011 | 383,061 | 388,294 | 392,876 | 397,432 |
| Other Gases | 2,296 | 2,063 | 2,256 | 2,313 | 1,995 |
| Nuclear | 99,628 | 99,988 | 100,334 | 100,266 | 100,755 |
| Renewables | 96,357 | 98,746 | 101,934 | 107,954 | 116,423 |
| Pumped Storage | 20,764 | 21,347 | 21,461 | 21,886 | 21,858 |
| Other | 746 | 887 | 882 | 788 | 942 |
| Total | 962,942 | 978,020 | 986,215 | 994,888 | 1,010,171 |

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. Renewable Electric Power Industry Net Summer Capacity, by Energy Source, 2004 - 2008 (Megawatts)

United States

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|---------------|---------------|----------------|----------------|----------------|
| Geothermal | 2,152 | 2,285 | 2,274 | 2,214 | 2,256 |
| Hydro Conventional | 77,641 | 77,541 | 77,821 | 77,885 | 77,930 |
| Solar | 398 | 411 | 411 | 502 | 536 |
| Wind | 6,456 | 8,706 | 11,329 | 16,515 | 24,651 |
| Wood/Wood Waste | 6,182 | 6,193 | 6,372 | 6,704 | 6,864 |
| MSW/Landfill Gas | 3,055 | 3,055 | 3,166 | 3,536 | 3,644 |
| Other Biomass | 474 | 554 | 561 | 598 | 542 |
| Total | 96,357 | 98,746 | 101,934 | 107,954 | 116,423 |

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. Total Electric Power Industry Net Generation, by Energy Source, 2004 - 2008
(Thousand Megawatthours)**

United States

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|----------------------|------------------|------------------|------------------|------------------|------------------|
| Fossil | 2,824,798 | 2,909,522 | 2,885,295 | 2,992,238 | 2,926,731 |
| Coal | 1,978,301 | 2,012,873 | 1,990,511 | 2,016,456 | 1,985,801 |
| Petroleum | 121,145 | 122,225 | 64,166 | 65,739 | 46,243 |
| Natural Gas | 710,100 | 760,960 | 816,441 | 896,590 | 882,981 |
| Other Gases | 15,252 | 13,464 | 14,177 | 13,453 | 11,707 |
| Nuclear | 788,528 | 781,986 | 787,219 | 806,425 | 806,208 |
| Renewables | 351,485 | 357,651 | 385,772 | 352,747 | 381,044 |
| Pumped Storage | -8,488 | -6,558 | -6,558 | -6,896 | -6,288 |
| Other | 14,232 | 12,821 | 12,974 | 12,231 | 11,692 |
| Total | 3,970,555 | 4,055,423 | 4,064,702 | 4,156,745 | 4,119,388 |

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. Renewable Electric Power Industry Net Generation, by Energy Source, 2004 - 2008
(Thousand Megawatthours)**

United States

| Energy Source | 2004 | 2005 | 2006 | 2007 | 2008 |
|---------------------------|----------------|----------------|----------------|----------------|----------------|
| Geothermal | 14,811 | 14,692 | 14,568 | 14,637 | 14,951 |
| Hydro Conventional | 268,417 | 270,321 | 289,246 | 247,510 | 254,831 |
| Solar | 575 | 550 | 508 | 612 | 864 |
| Wind | 14,144 | 17,811 | 26,589 | 34,450 | 55,363 |
| Wood/Wood Waste | 38,117 | 38,856 | 38,762 | 39,014 | 37,300 |
| MSW Biogenic/Landfill Gas | 13,279 | 13,473 | 14,155 | 14,462 | 15,253 |
| Other Biomass | 2,141 | 1,948 | 1,944 | 2,063 | 2,481 |
| Total | 351,485 | 357,651 | 385,772 | 352,747 | 381,044 |

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.