

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

| | |
|--|------|
| Primary Renewable Energy Capacity Source | Wind |
| Primary Renewable Energy Generation Source | Wind |

| Capacity (megawatts) | Value | Percent of State Total |
|--|---------------|-------------------------------|
| Total Net Summer Electricity Capacity | 14,715 | 100.0 |
| Total Net Summer Renewable Capacity | 2,588 | 17.6 |
| Geothermal | - | - |
| Hydro Conventional | 193 | 1.3 |
| Solar | - | - |
| Wind | 2,009 | 13.7 |
| Wood/Wood Waste | 177 | 1.2 |
| MSW/Landfill Gas | 134 | 0.9 |
| Other Biomass | 75 | 0.5 |

Generation (thousand megawatthours)

| | | |
|---|---------------|--------------|
| Total Electricity Net Generation | 53,670 | 100.0 |
| Total Renewable Net Generation | 7,480 | 13.9 |
| Geothermal | - | - |
| Hydro Conventional | 840 | 1.6 |
| Solar | - | - |
| Wind | 4,792 | 8.9 |
| Wood/Wood Waste | 933 | 1.7 |
| MSW Biogenic/Landfill Gas | 340 | 0.6 |
| Other Biomass | 576 | 1.1 |

- = 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, 2006 - 2010 (Megawatts)**Minnesota**

| Energy Source | 2006 | 2007 | 2008 | 2009 | 2010 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 9,714 | 9,550 | 10,548 | 10,752 | 10,519 |
| Coal | 5,444 | 5,207 | 5,235 | 4,826 | 4,789 |
| Petroleum | 746 | 764 | 782 | 801 | 795 |
| Natural Gas | 3,524 | 3,579 | 4,531 | 5,126 | 4,936 |
| Other Gases | - | - | - | - | - |
| Nuclear | 1,668 | 1,668 | 1,668 | 1,668 | 1,594 |
| Renewables | 1,259 | 1,658 | 2,008 | 2,192 | 2,588 |
| Pumped Storage | - | - | - | - | - |
| Other | 11 | 13 | 13 | 13 | 13 |
| Total | 12,651 | 12,890 | 14,237 | 14,626 | 14,715 |

- = No data reported.

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires and miscellaneous technologies. For cofired plants, all of the capacity is assigned to the primary energy source. Totals may not equal sum of components due to independent rounding.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

Table 3. State Renewable Electric Power Industry Net Summer Capacity, by Energy Source, 2006 - 2010 (Megawatts)

Minnesota

| Energy Source | 2006 | 2007 | 2008 | 2009 | 2010 |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 175 | 176 | 194 | 194 | 193 |
| Solar | - | - | - | - | - |
| Wind | 827 | 1,139 | 1,460 | 1,615 | 2,009 |
| Wood/Wood Waste | 129 | 161 | 170 | 177 | 177 |
| MSW/Landfill Gas | 127 | 128 | 130 | 132 | 134 |
| Other Biomass | - | 55 | 55 | 75 | 75 |
| Total | 1,259 | 1,658 | 2,008 | 2,192 | 2,588 |

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Totals may not equal sum of components due to independent rounding.

Source: U.S. Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

**Table 4. State Total Electric Power Industry Net Generation, by Energy Source, 2006 - 2010
(Thousand Megawatthours)****Minnesota**

| Energy Source | 2006 | 2007 | 2008 | 2009 | 2010 |
|----------------------|---------------|---------------|---------------|---------------|---------------|
| Fossil | 36,125 | 36,463 | 34,879 | 32,263 | 32,454 |
| Coal | 33,070 | 32,190 | 31,755 | 29,327 | 28,083 |
| Petroleum | 494 | 405 | 232 | 65 | 31 |
| Natural Gas | 2,561 | 3,842 | 2,866 | 2,846 | 4,341 |
| Other Gases | - | 26 | 27 | 24 | - |
| Nuclear | 13,183 | 13,103 | 12,997 | 12,393 | 13,478 |
| Renewables | 3,631 | 4,586 | 6,578 | 7,546 | 7,480 |
| Pumped Storage | - | - | - | - | - |
| Other | 298 | 325 | 309 | 290 | 258 |
| Total | 53,238 | 54,478 | 54,763 | 52,492 | 53,670 |

- = No data reported.

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires, non-biogenic MSW and miscellaneous technologies. For cofired plants, generation is prorated on the basis of energy source shares. Totals may not equal sum of components due to independent rounding.

Sources: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report," and predecessor forms.

**Table 5. State Renewable Electric Power Industry Net Generation, by Energy Source, 2006 - 2010
(Thousand Megawatthours)**

Minnesota

| Energy Source | 2006 | 2007 | 2008 | 2009 | 2010 |
|---------------------------|--------------|--------------|--------------|--------------|--------------|
| Geothermal | - | - | - | - | - |
| Hydro Conventional | 572 | 654 | 727 | 809 | 840 |
| Solar | - | - | - | - | - |
| Wind | 2,055 | 2,639 | 4,355 | 5,053 | 4,792 |
| Wood/Wood Waste | 590 | 727 | 725 | 796 | 933 |
| MSW Biogenic/Landfill Gas | 412 | 423 | 399 | 384 | 340 |
| Other Biomass | 3 | 143 | 372 | 503 | 576 |
| Total | 3,631 | 4,586 | 6,578 | 7,546 | 7,480 |

- = 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.