

**Power Plant: Sibley**  
**Plant Owner: Aquila Networks-Missouri**  
**Power generated in 2005 from non-renewable and renewable sources**

	<b>Power Generated in 2005 (MWh)</b>	<b>Percent of Total</b>	
<b>Non-renewable sources</b>			
Coal-fired power	2,852,538.00	99.0%	
Natural gas-fired power	2,383.00	0.1%	
Oil-fired power		0.0%	
Nuclear power		0.0%	
Other non-renewable power	25,105.00	0.9%	
<b>Non-renewable total</b>	<b>2,880,026.00</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Renewable sources</b>			
Hydroelectric Power			
Wind			
Waste and biomass			
Solar			
Geothermal			
<b>Renewable total</b>	<b>0.00</b>	<b>0.0%</b>	<b>0.0%</b>
<b>Grand total all sources</b>	<b>2,880,026.00</b>		<b>100.0%</b>

**Emissions of criteria pollutants, CO<sub>2</sub>, CH<sub>4</sub> and Mercury: 2005**

	<b>Total Emitted (Tons)</b>	<b>Output-based rate (lbs per MWh)</b>	<b>Input-based rate (lbs per mmBTU)</b>
<b>Oxides of Nitrogen (NO<sub>x</sub>) - Annual</b>	9,100.32	6.32	0.61
<b>Oxides of Nitrogen (NO<sub>x</sub>) - May 1 to Sept 30</b>	3,714.57	6.10	0.60
<b>Sulphur dioxide (SO<sub>2</sub>)</b>	13,794.96	9.58	0.93
<b>Carbon dioxide (CO<sub>2</sub>)</b>	3,040,397.65	2,111.37	205.20
<b>Methane (CH<sub>4</sub>)</b>	34.46	23.93	---
<b>Mercury (HG<sub>3</sub>)</b>	0.0604	0.0000	0.0000

**Toxic Releases**

Hazardous Air Pollutants	150.75
Toxic Releases - Land	330.59
Toxic Releases - Water	1.68

**Data Sources**

Data for hazardous air pollutants and toxic releases is taken from the U. S. Environmental Protection Agency (EPA) Toxic Release Inventory (TRI). For more information see: <http://www.epa.gov.tri/>

Data for other emissions and generation is taken from EPA Office of Atmospheric Programs, eGRID (Emissions and Generation Resource Integrated Database) database, 2007. For more information see: <http://cfpub.epa.gov/egridweb/>

Note: The data provided includes only generation and emissions from power plants owned by the utility. It does not include generation or emissions from power purchased by the utility and distributed to its customers.



Missouri  
Department of  
Natural Resources

**Definitions**

MWh           Megawatthours (1000 kilowatthours)  
mmBTU       Million British Thermal Units