



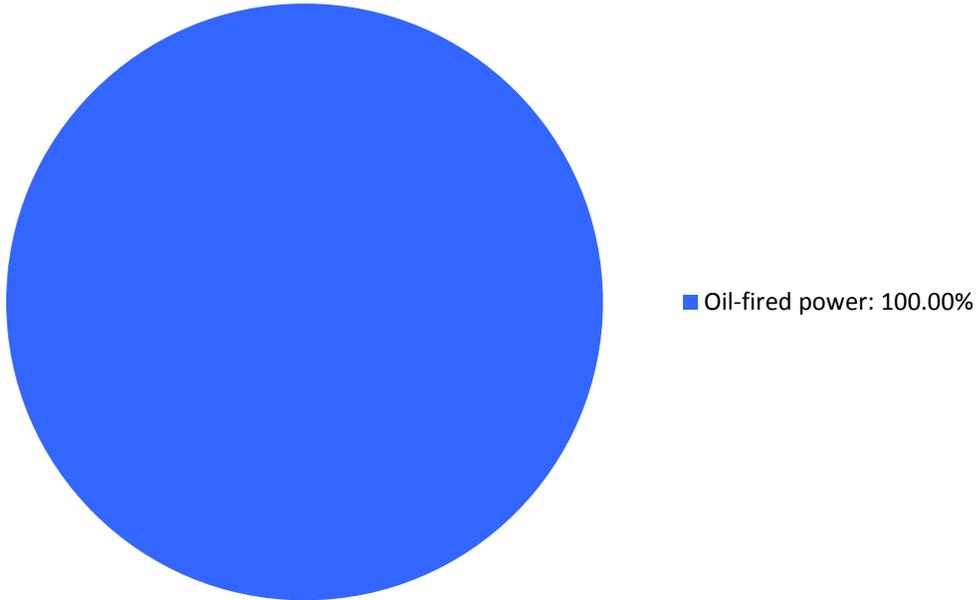
**City of Shelbina  
Utility-Owned Electric Generation and Emissions in 2009**

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
<b>Non-renewable sources</b>						
Coal-fired power						
Natural gas-fired power						
Oil-fired power	2,426	100.00%		223	100.00%	
Nuclear power						
Other non-renewable power						
<b>Non-renewable total</b>	<b>2,426</b>	<b>100.00%</b>	<b>100.00%</b>	<b>223</b>	<b>100.00%</b>	<b>100.00%</b>
<b>Renewable sources</b>						
Hydroelectric Power						
Wind						
Waste and biomass						
Solar						
Geothermal						
Landfill Gas						
<b>Renewable total</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0</b>	<b>0.00%</b>	<b>0.00%</b>
<b>Grand total all sources</b>	<b>2,426</b>		<b>100.00%</b>	<b>223</b>		<b>100.00%</b>

Fuel Type	Physical Units	Number of Units
<b>Distillate Fuel Oil</b>	Barrels	421



### Net Generation by Fuel Type, 2009 for City of Shelbina





**Emissions from Electricity Generated in 2009: City of Shelbina**

Plant	Carbon Dioxide (CO2) (Tons)	Carbon Monoxide (CO) (Tons)	Ammonia (NH3) (Tons)	Nitrogen Oxides (NOx) (Tons)	Sulfur Dioxides (SO2) (Tons)
<b>City of Shelbina</b>	33.97	0.77	NV	5.00	0.06
<b>Shelbina Power #1</b>	7.34	0.77	NV	5.00	0.06
<b>Shelbina Power #2</b>	23.48	NV	NV	NV	NV
<b>Shelbina Power #3</b>	3.15	NV	NV	NV	NV

Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM10 Total) (Tons)	Fine Particulate Matter (PM2.5 Total) (Tons)	Mercury (Hg) (LBS)
<b>City of Shelbina</b>	0.10	0.06	0.06	NV
<b>Shelbina Power #1</b>	0.10	0.06	0.06	NV
<b>Shelbina Power #2</b>	NV	NV	NV	NV

'NV' = Emissions value not available.

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.



**Pollution controls installed on plants operated by City of Shelbina**

<b>SO2 Controls</b>			
Plant	Control Equipment	Sorbent Type	Operational Efficiency
<b>Shelbina Power #1</b>	No SO2 Controls Installed		
<b>Shelbina Power #2</b>	No SO2 Controls Installed		
<b>Shelbina Power #3</b>	No SO2 Controls Installed		

<b>NOX Controls</b>				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
<b>Shelbina Power #1</b>	No NOX Controls Installed			
<b>Shelbina Power #2</b>	No NOX Controls Installed			
<b>Shelbina Power #3</b>	No NOX Controls Installed			



**Missouri Power plants owned and operated by City of Shelbina in 2009**

Plant	County	Primary Fuel	Capacity (MW)	Net Generation (MWh)
<b>Shelbina Power #1</b>	Shelby	Distillate Fuel Oil	5	47
<b>Shelbina Power #2</b>	Shelby	Distillate Fuel Oil	7	157
<b>Shelbina Power #3</b>	Shelby	Distillate Fuel Oil	4	20

**Data Sources**

- Emissions Data: Missouri Department of Natural Resources, Air Pollution Control Program, Missouri Emissions Inventory System (MOEIS)  
<http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm>
- CO2 Emissions calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data
- Fuel Consumption and Generation Data: United States Energy Information Administration, Form 923, United States Department of Energy  
[http://www.eia.gov/cneaf/electricity/page/eia906\\_920.html](http://www.eia.gov/cneaf/electricity/page/eia906_920.html)