



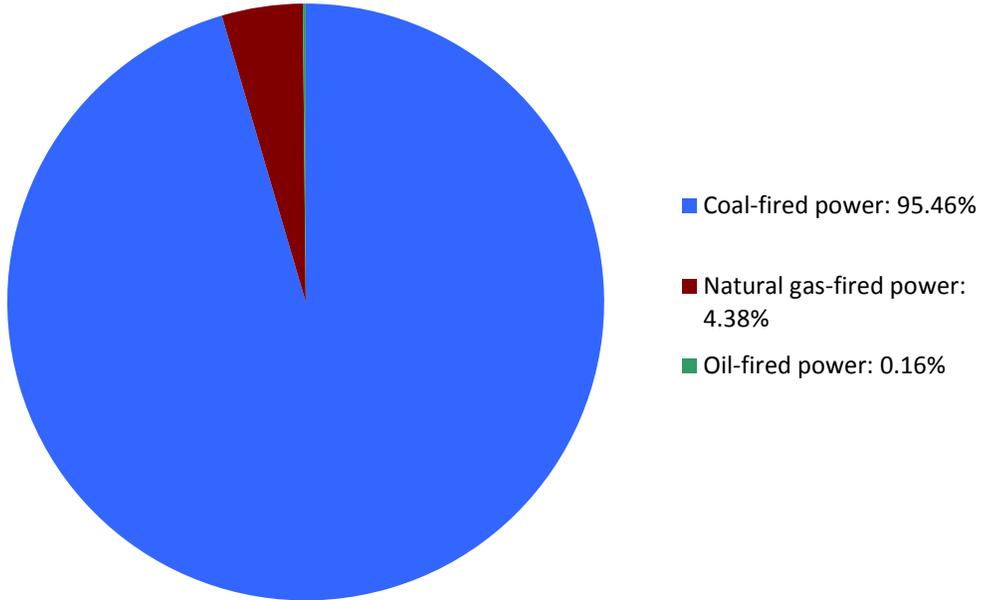
**City of Marshall
Utility-Owned Electric Generation and Emissions in 2009**

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power	555,305	95.66%		41,704	95.46%	
Natural gas-fired power	24,470	4.22%		1,914	4.38%	
Oil-fired power	696	0.12%		68	0.16%	
Nuclear power						
Other non-renewable power						
Non-renewable total	580,471	100.00%	100.00%	43,686	100.00%	100.00%
Renewable sources						
Hydroelectric Power						
Wind						
Waste and biomass						
Solar						
Geothermal						
Landfill Gas						
Renewable total	0	0.00%	0.00%	0	0.00%	0.00%
Grand total all sources	580,471		100.00%	43,686		100.00%

Fuel Type	Physical Units	Number of Units
Bituminous Coal	Short Tons	24,894
Natural Gas	Mcf	24,316
Distillate Fuel Oil	Barrels	120



Net Generation by Fuel Type, 2009 for City of Marshall





Emissions from Electricity Generated in 2009: City of Marshall

Plant	Carbon Dioxide (CO2) (Tons)	Carbon Monoxide (CO) (Tons)	Ammonia (NH3) (Tons)	Nitrogen Oxides (NOx) (Tons)	Sulfur Dioxides (SO2) (Tons)
City of Marshall	3,991.91	10.35	0.06	295.43	1,400.38
Marshall	3,991.91	10.35	0.06	295.43	1,400.38

Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM10 Total) (Tons)	Fine Particulate Matter (PM2.5 Total) (Tons)	Mercury (Hg) (LBS)
City of Marshall	1.45	77.96	77.96	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 Marshall

SO2 Controls			
Plant	Control Equipment	Sorbent Type	Operational Efficiency
Marshall	No SO2 Controls Installed		

NOX Controls				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
Marshall	No NOX Controls Installed			



Missouri Power plants owned and operated by City of Marshall in 2009

Plant	County	Primary Fuel	Capacity (MW)	Net Generation (MWh)
Marshall	Saline	Bituminous Coal	57	43,686

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