



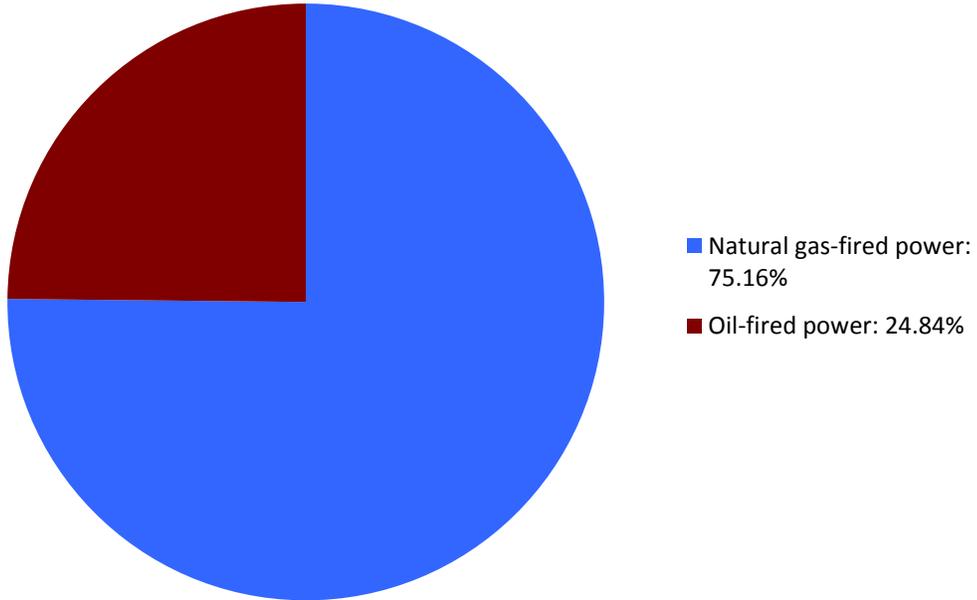
**City of Carthage
Utility-Owned Electric Generation and Emissions in 2009**

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power						
Natural gas-fired power	10,126	75.17%		428	75.16%	
Oil-fired power	3,345	24.83%		141	24.84%	
Nuclear power						
Other non-renewable power						
Non-renewable total	13,471	100.00%	100.00%	569	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	13,471		100.00%	569		100.00%

Fuel Type	Physical Units	Number of Units
Natural Gas	Mcf	12,659
Distillate Fuel Oil	Barrels	577



Net Generation by Fuel Type, 2009 for City of Carthage





Emissions from Electricity Generated in 2009: City of Carthage

Plant	Carbon Dioxide (CO2) (Tons)	Carbon Monoxide (CO) (Tons)	Ammonia (NH3) (Tons)	Nitrogen Oxides (NOx) (Tons)	Sulfur Dioxides (SO2) (Tons)
City of Carthage	787.62	2.60	0.26	28.00	0.65
Carthage	787.62	2.60	0.26	28.00	0.65

Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM10 Total) (Tons)	Fine Particulate Matter (PM2.5 Total) (Tons)	Mercury (Hg) (LBS)
City of Carthage	1.40	2.82	2.82	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 Carthage

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

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



Missouri
Department of
Natural Resources

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

Plant	County	Primary Fuel	Capacity (MW)	Net Generation (MWh)
Carthage	Jasper	Natural Gas	42	569

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