



**City of Carthage  
Electric Generation and Emissions in 2010**

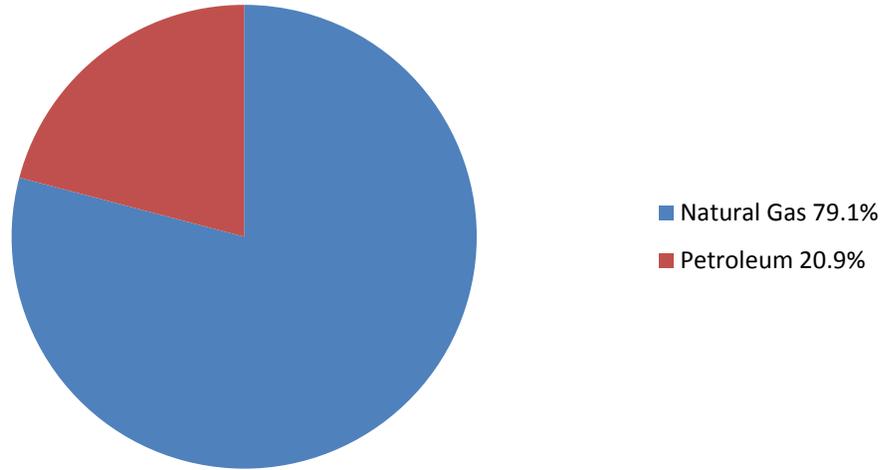
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
<b>Non-renewable sources</b>						
Coal						
Natural Gas	31,106	79.1%	79.1%	2,724	79.1%	79.1%
Petroleum	8,218	20.9%	20.9%	720	20.9%	20.9%
Nuclear						
Other						
<b>Non-renewable total</b>	<b>39,324</b>	<b>100.0%</b>	<b>100.0%</b>	<b>3,444</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Renewable sources</b>						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
<b>Renewable total</b>						
<b>Grand total</b>	<b>39,324</b>		<b>100.0%</b>	<b>3,444</b>		<b>100.0%</b>

Fuel Type	Physical Units	Number of Units
Natural Gas	MCf	38,881
Distillate Fuel Oil	Barrels	1,417



### Net Generation by Fuel Type, 2010 for City of Carthage





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Power Plant Nameplate information for City of Carthage

<b>Plant Name</b>	<b>County Location</b>	<b>Nameplate Capacity (MW)</b>
<i>City of Carthage</i>		167.2
Carthage	Jasper	167.2



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Emissions from Electricity Generated in 2010: City of Carthage

	<b>CO2 Equivalent (TONS)</b>	<b>Carbon Dioxide (CO2) (TONS)</b>	<b>Methane (CH4) (TONS)</b>	<b>Nitrogen Dioxide (NO2) (TONS)</b>
<i>City of Carthage</i>	26,081	9,926	246	35
Carthage	26,081	9,926	246	35

	<b>Sulfur Dioxide (SO2) (TONS)</b>	<b>Annual Nitrogen Oxide (NOx) (TONS)</b>	<b>Summer Nitrogen Oxide (NOx) (TONS)</b>
<i>City of Carthage</i>	0	0.0000	0.0000
Carthage	0	0.0000	0.0000



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Identified Flue Gas Desulfurization (FGD) controls installed on plants operated by City of Carthage

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on plants operated by City of Carthage

Plant	Control Equipment
	No FGP Controls Installed

**Notes:**

Generation, emissions and pollution control data include power plants owned by the utility and located in Missouri.

Emissions data calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data

Fuel Consumption and Generation Data from United States Energy Information Administration, Form 923, United States Department of Energy  
<http://www.eia.gov/electricity/data/eia923>

Pollution control data (FGD and FGP equipment) from United States Energy Information Administration, Form 860, United States Department of Energy  
<http://www.eia.gov/electricity/data/eia860/index.html>

Emissions factors for fuel-based generation from United States Environmental Protection Agency "Emission Factors for Greenhouse Gas Inventories", November 7, 2011,  
<http://www.epa.gov/climateleadership/documents/emission-factors.pdf>