



**City of Poplar Bluff
Power Plant Name: Poplar Bluff Generating Station
Electric Generation and Emissions in 2010**

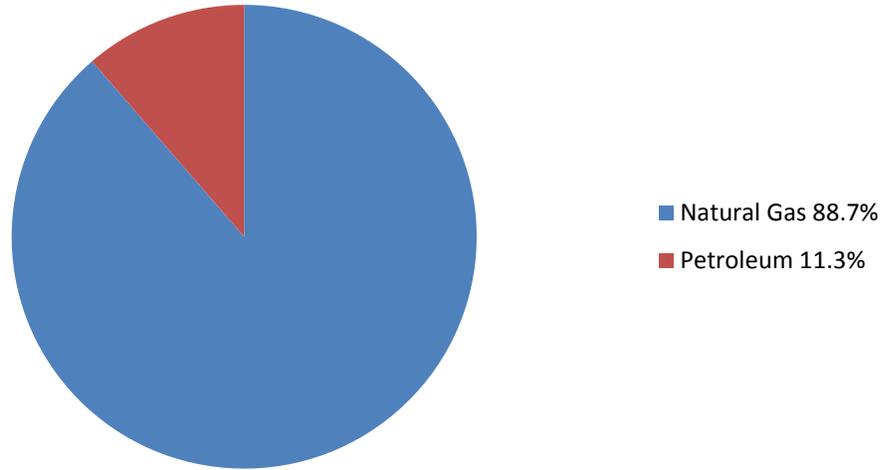
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal						
Natural Gas	9,832	88.6%	88.6%	762	88.7%	88.7%
Petroleum	1,259	11.4%	11.4%	97	11.3%	11.3%
Nuclear						
Other						
Non-renewable total	11,091	100.0%	100.0%	859	100.0%	100.0%
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	11,091		100.0%	859		100.0%

Fuel Type	Physical Units	Number of Units
Natural Gas	MCf	8,938
Distillate Fuel Oil	Barrels	203



Net Generation by Fuel Type, 2010 for Poplar Bluff Generating Station





Power Plant Nameplate information for Poplar Bluff Generating Station

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
<i>Poplar Bluff Generating Station</i>		<i>All Operating Generators</i>			<i>136.4</i>
Poplar Bluff Generating Station	Butler	1	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	28.0
Poplar Bluff Generating Station	Butler	2	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	28.0
Poplar Bluff Generating Station	Butler	3	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	26.8
Poplar Bluff Generating Station	Butler	4	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	26.8
Poplar Bluff Generating Station	Butler	5	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	26.8



Emissions from Electricity Generated in 2010: Poplar Bluff Generating Station

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
Poplar Bluff Generating Station	6,342	2,705	60	8

	Sulfur Dioxide (SO2) (TONS)	Annual Nitrogen Oxide (NOx) (TONS)	Summer Nitrogen Oxide (NOx) (TONS)
Poplar Bluff Generating Station	0	0.0000	0.0000

Identified Flue Gas Desulfurization (FGD) controls installed on Poplar Bluff Generating Station power plant

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on Poplar Bluff Generating Station power plant

Plant	Control Equipment
	No FGP Controls Installed



Missouri
Department of
Natural Resources

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>