



**City of Butler  
Electric Generation and Emissions in 2011**

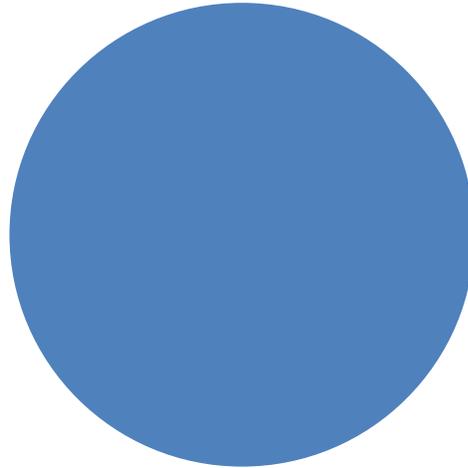
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
<b>Non-renewable sources</b>						
Coal						
Natural Gas						
Petroleum	1,205	100.0%	100.0%	116	100.0%	100.0%
Nuclear						
Other						
<b>Non-renewable total</b>	<b>1,205</b>	<b>100.0%</b>	<b>100.0%</b>	<b>116</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>1,205</b>		<b>100.0%</b>	<b>116</b>		<b>100.0%</b>

Fuel Type	Physical Units	Number of Units
Distillate Fuel Oil	Barrels	209



### Net Generation by Fuel Type, 2011 for City of Butler



■ Petroleum 100.0%



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Power Plant Nameplate information for City of Butler

<b>Plant Name</b>	<b>County Location</b>	<b>Nameplate Capacity (MW)</b>
<i>City of Butler</i>		52.4
Butler	Bates	52.4



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Emissions from Electricity Generated in 2011: City of Butler

	<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 Butler</i>	1,712	389	16	3
Butler	1,712	389	16	3

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



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

<b>Plant</b>	<b>Control Equipment</b>	<b>Sorbent Type</b>
	No FGD Controls Installed	

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

<b>Plant</b>	<b>Control Equipment</b>
	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>