



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

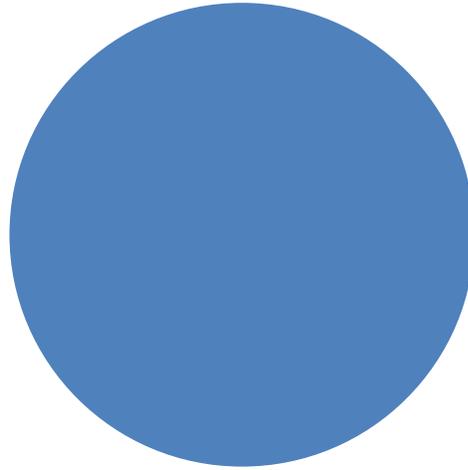
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal						
Natural Gas						
Petroleum	996	100.0%	100.0%	94	100.0%	100.0%
Nuclear						
Other						
Non-renewable total	996	100.0%	100.0%	94	100.0%	100.0%
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	996		100.0%	94		100.0%

Fuel Type	Physical Units	Number of Units
Distillate Fuel Oil	Barrels	173



Net Generation by Fuel Type, 2010 for City of Butler



■ Petroleum 100.0%



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Power Plant Nameplate information for City of Butler

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



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Emissions from Electricity Generated in 2010: City of Butler

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
<i>City of Butler</i>	<i>1,415</i>	<i>322</i>	<i>13</i>	<i>3</i>
Butler	1,415	322	13	3

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



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

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

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

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>