



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

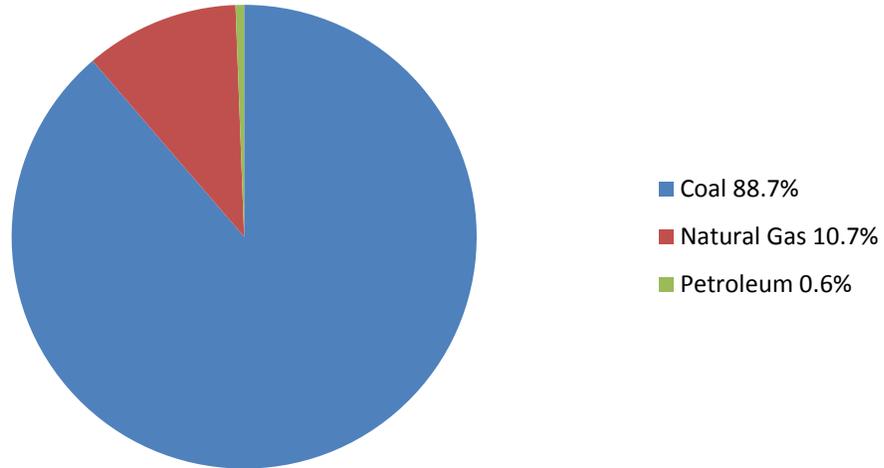
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal	2,086,251	88.7%	88.7%	123,585	88.7%	88.7%
Natural Gas	246,055	10.5%	10.5%	14,916	10.7%	10.7%
Petroleum	20,390	0.9%	0.9%	829	0.6%	0.6%
Nuclear						
Other						
Non-renewable total	2,352,696	100.0%	100.0%	139,330	100.0%	100.0%
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	2,352,696		100.0%	139,330		100.0%

Fuel Type	Physical Units	Number of Units
Anthracite Coal and Bituminous Coal	Short Tons	91,916
Natural Gas	MCf	244,162
Distillate Fuel Oil	Barrels	3,635



Net Generation by Fuel Type, 2010 for City of Independence





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Power Plant Nameplate information for City of Independence

Plant Name	County Location	Nameplate Capacity (MW)
<i>City of Independence</i>		<i>1,356.0</i>
Blue Valley	Jackson	704.0
Jackson Square	Jackson	144.0
Station H	Jackson	172.0
Station I	Jackson	152.0
Missouri City	Clay	184.0



Emissions from Electricity Generated in 2010: City of Independence

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
<i>City of Independence</i>	7,689,590	923,274	102,541	14,880
Blue Valley	5,362,346	651,072	71,495	10,354
Jackson Square	3,997	909	37	7
Missouri City	2,300,383	263,282	30,794	4,485
Station H	13,795	5,950	131	16
Station I	9,068	2,061	84	17

	Sulfur Dioxide (SO2) (TONS)	Annual Nitrogen Oxide (NOx) (TONS)	Summer Nitrogen Oxide (NOx) (TONS)
<i>City of Independence</i>	12,205	0.0092	0.0092
Blue Valley	8,139	0.0092	0.0092
Jackson Square	0	0.0000	0.0000
Missouri City	4,066	0.0000	0.0000
Station H	0	0.0000	0.0000
Station I	0	0.0000	0.0000



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

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

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

Plant	Control Equipment
Blue Valley	Electrostatic precipitator, cold side, without flue gas conditioning
Missouri City	Baghouse, reverse air

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>