



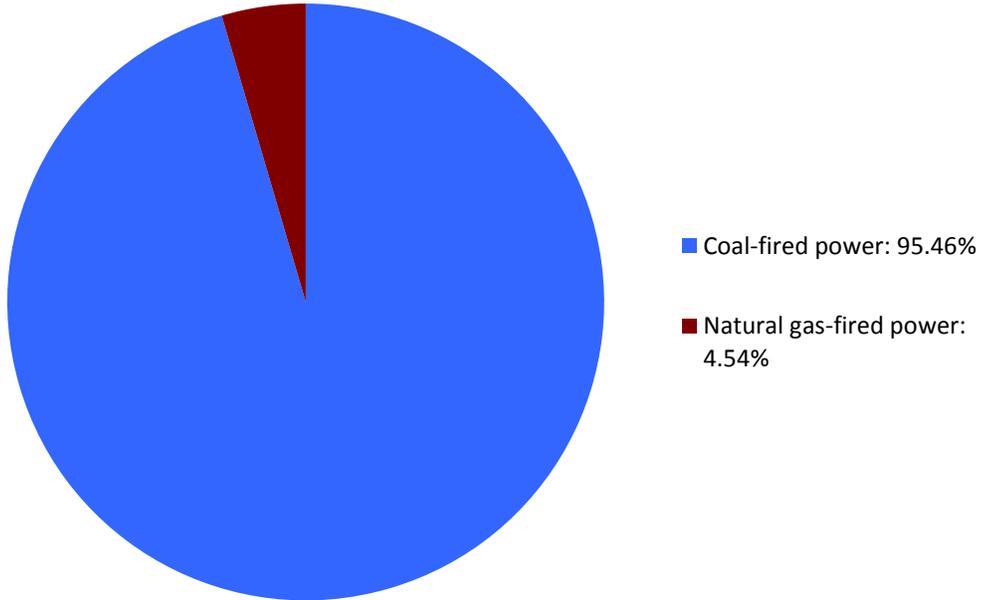
Power Plant: Blue Valley
Plant Owner: Independence Power and Light
Power generated in 2009 from non-renewable and renewable sources

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power	2,098,580	95.16%		158,552	95.46%	
Natural gas-fired power	106,822	4.84%		7,549	4.54%	
Oil-fired power	0			0		
Nuclear power						
Other non-renewable power						
Non-renewable total	2,205,402	100.00%	100.00%	166,101	100.00%	100.00%
Renewable sources						
Hydroelectric Power						
Wind						
Waste and biomass						
Solar						
Geothermal						
Landfill Gas						
Renewable total	0	0.00%	0.00%	0	0.00%	0.00%
Grand total all sources	2,205,402		100.00%	166,101		100.00%

Fuel Type	Physical Units	Number of Units
Bituminous Coal	Short Tons	95,597
Natural Gas	Mcf	106,056
Distillate Fuel Oil	Barrels	0



Net Generation by Fuel Type, 2009 for Blue Valley





**Blue Valley
Emissions from Electricity Generated in 2009**

Plant	Carbon Dioxide(CO2) (Tons)	Carbon Monoxide(CO) (Tons)	Ammonia (NH3) (Tons)	Nitrogen Oxides (NOx) (Tons)	Sulfur Dioxides (SO2) (Tons)
Blue Valley	49,096.90	28.02	0.20	720.25	6,177.33

Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM10) (Tons)	Fine Particulate Matter (PM2.5) (Tons)	Mercury (Hg) (LBS)
Blue Valley	3.50	396.40	339.84	8.88

'NV' = Emissions value not available.



Pollution controls installed on Blue Valley

SO2 Controls				
Plant	Control Equipment	Sorbent Type	Operational Efficiency	
Blue Valley	No SO2 Controls Installed			

NOX Controls				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
Blue Valley	No NOX Controls Installed			

Data Sources

- Emissions Data: Missouri Department of Natural Resources, Air Pollution Control Program, Missouri Emissions Inventory System (MOEIS)
<http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm>
- CO2 Emissions calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data
- Fuel Consumption and Generation Data: United States Energy Information Administration, Form 923, United States Department of Energy
http://www.eia.gov/cneaf/electricity/page/eia906_920.html