



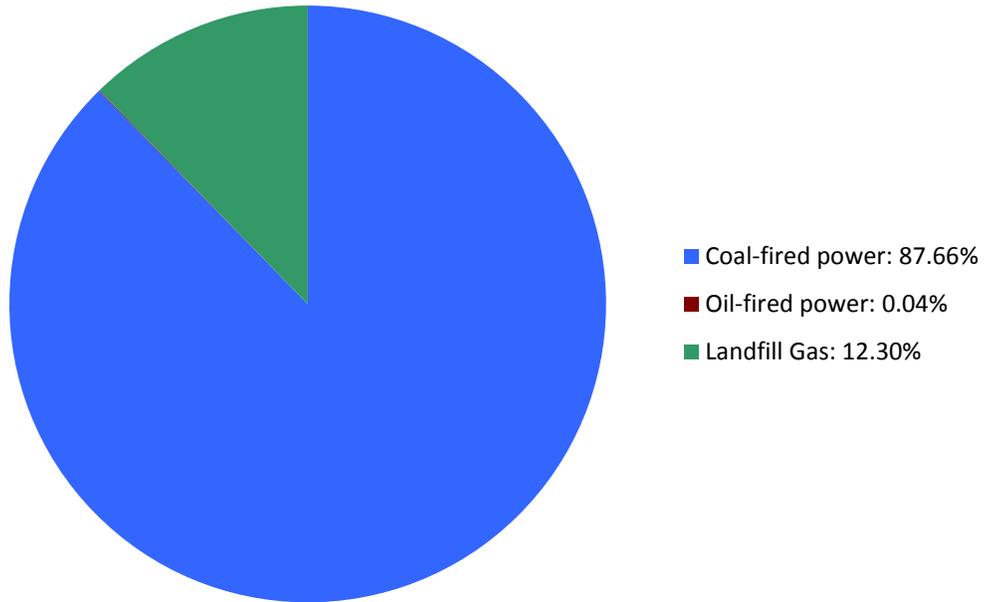
**Power Plant: Columbia**  
**Plant Owner: Columbia Water and Light**  
**Power generated in 2009 from non-renewable and renewable sources**

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
<b>Non-renewable sources</b>						
Coal-fired power	1,075,464	99.96%		75,961	99.95%	
Natural gas-fired power	0			0		
Oil-fired power	394	0.04%		35	0.05%	
Nuclear power						
Other non-renewable power						
<b>Non-renewable total</b>	<b>1,075,858</b>	<b>100.00%</b>	<b>90.04%</b>	<b>75,996</b>	<b>100.00%</b>	<b>87.70%</b>
<b>Renewable sources</b>						
Hydroelectric Power						
Wind						
Waste and biomass						
Solar						
Geothermal						
Landfill Gas	119,043	100.00%		10,657	100.00%	
<b>Renewable total</b>	<b>119,043</b>	<b>100.00%</b>	<b>9.96%</b>	<b>10,657</b>	<b>100.00%</b>	<b>12.30%</b>
<b>Grand total all sources</b>	<b>1,194,901</b>		<b>100.00%</b>	<b>86,654</b>		<b>100.00%</b>

Fuel Type	Physical Units	Number of Units
<b>Bituminous Coal</b>	Short Tons	41,364
<b>Natural Gas</b>	Mcf	0
<b>Distillate Fuel Oil</b>	Barrels	68
<b>Landfill Gas</b>	Mcf	297,604



### Net Generation by Fuel Type, 2009 for Columbia





**Columbia**  
**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)
<b>Columbia</b>	124,617.53	117.86	11.69	304.86	908.61

Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM10) (Tons)	Fine Particulate Matter (PM2.5) (Tons)	Mercury (Hg) (LBS)
<b>Columbia</b>	1.43	23.43	22.60	0.01

'NV' = Emissions value not available.



### Pollution controls installed on Columbia

<b>SO2 Controls</b>				
Plant	Control Equipment	Sorbent Type	Operational Efficiency	
<b>Columbia</b>	No SO2 Controls Installed			

<b>NOX Controls</b>				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
<b>Columbia</b>	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](http://www.eia.gov/cneaf/electricity/page/eia906_920.html)