



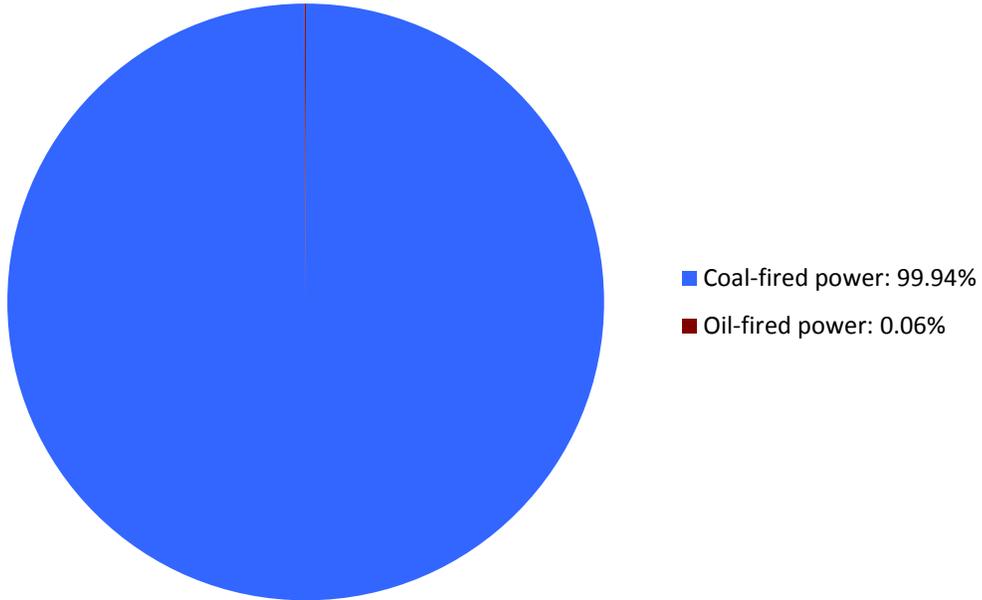
Power Plant: Rush Island
Plant Owner: Union Electric Company
Power generated in 2009 from non-renewable and renewable sources

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power	80,743,163	99.94%		8,012,317	99.94%	
Natural gas-fired power						
Oil-fired power	49,090	0.06%		4,871	0.06%	
Nuclear power						
Other non-renewable power						
Non-renewable total	80,792,253	100.00%	100.00%	8,017,188	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	80,792,253		100.00%	8,017,188		100.00%

Fuel Type	Physical Units	Number of Units
Sub-Bituminous Coal	Short Tons	4,826,892
Distillate Fuel Oil	Barrels	8,532



Net Generation by Fuel Type, 2009 for Rush Island





Rush Island
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)
Rush Island	9,056,406.37	1,243.12	1.40	3,861.75	28,327.27

Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM10) (Tons)	Fine Particulate Matter (PM2.5) (Tons)	Mercury (Hg) (LBS)
Rush Island	149.10	716.75	260.61	553.00

'NV' = Emissions value not available.



Pollution controls installed on Rush Island

SO2 Controls			
Plant	Control Equipment	Sorbent Type	Operational Efficiency
Rush Island	No SO2 Controls Installed		

NOX Controls				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
Rush Island	MODIFIED FURNACE OR BURNER DESIGN	LOW NOX BURNERS	100.00%	70.00%

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