



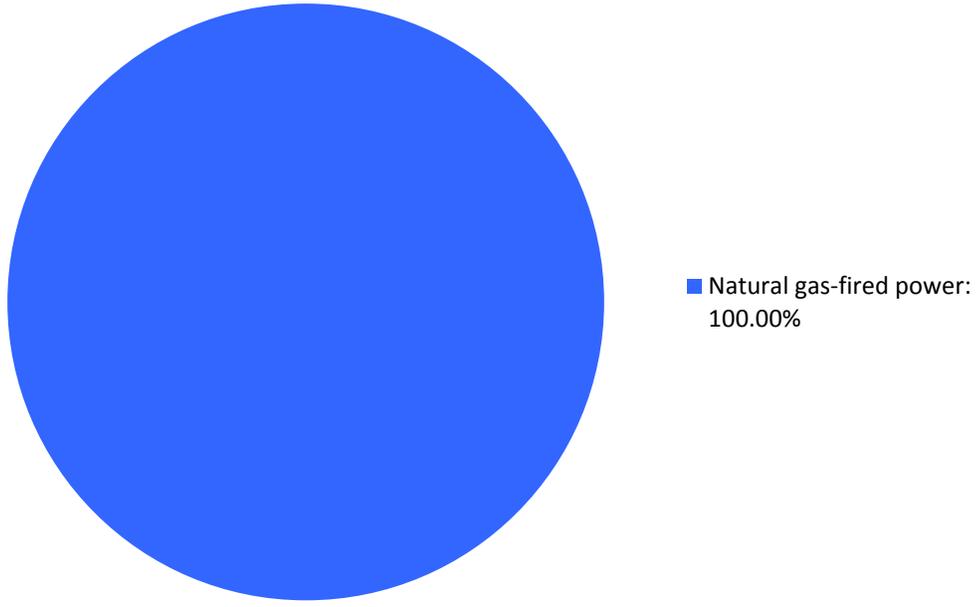
**Power Plant: Empire Energy Center
Plant Owner: Empire District Electric Company
Power generated in 2009 from non-renewable and renewable sources**

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power						
Natural gas-fired power	1,141,831	100.00%		96,312	100.00%	
Oil-fired power	0			0		
Nuclear power						
Other non-renewable power						
Non-renewable total	1,141,831	100.00%	100.00%	96,312	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	1,141,831		100.00%	96,312		100.00%

Fuel Type	Physical Units	Number of Units
Natural Gas	Mcf	1,126,820
Distillate Fuel Oil	Barrels	0



Net Generation by Fuel Type, 2009 for Empire Energy Center





**Empire Energy Center
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)
Empire Energy Center	67,881.21	6.30	NV	44.90	0.00

Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM10) (Tons)	Fine Particulate Matter (PM2.5) (Tons)	Mercury (Hg) (LBS)
Empire Energy Center	1.17	3.68	3.68	NV

'NV' = Emissions value not available.



Pollution controls installed on Empire Energy Center

SO2 Controls			
Plant	Control Equipment	Sorbent Type	Operational Efficiency
Empire Energy Center	No SO2 Controls Installed		

NOX Controls				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
Empire Energy Center	WATER INJECTION	WATER INJECTION	100.00%	50.00%

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