



**Trigen St Louis Energy Corporation  
Power Plant Name: Trigen St.Louis  
Electric Generation and Emissions in 2011**

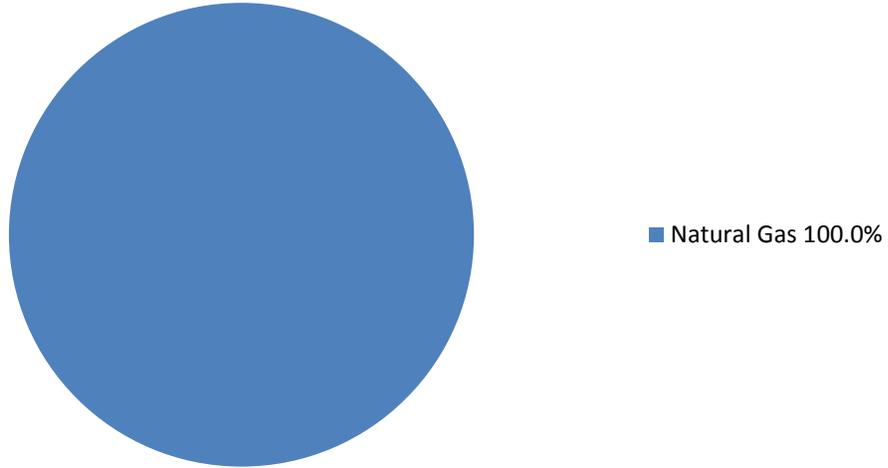
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
<b>Non-renewable sources</b>						
Coal						
Natural Gas	794,975	99.9%	99.9%	40,925	100.0%	100.0%
Petroleum	428	0.1%	0.1%	0	0.0%	0.0%
Nuclear						
Other						
<b>Non-renewable total</b>	<b>795,403</b>	<b>100.0%</b>	<b>100.0%</b>	<b>40,925</b>	<b>100.0%</b>	<b>100.0%</b>
<b>Renewable sources</b>						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
<b>Renewable total</b>						
<b>Grand total</b>	<b>795,403</b>		<b>100.0%</b>	<b>40,925</b>		<b>100.0%</b>

Fuel Type	Physical Units	Number of Units
Natural Gas	MCf	776,344
Distillate Fuel Oil	Barrels	69



## Net Generation by Fuel Type, 2011 for Trigen St.Louis





Power Plant Nameplate information for Trigen St.Louis

<b>Plant Name</b>	<b>County Location</b>	<b>Generator</b>	<b>Generator Type</b>	<b>Generator Status</b>	<b>Nameplate Capacity (MW)</b>
<i>Trigen St.Louis</i>		<i>All Operating Generators</i>			<i>152.0</i>
Trigen St.Louis	St Louis	ST-3	Combined Cycle Steam Part	Operating - in service	72.8
Trigen St.Louis	St Louis	CT-1	Combined Cycle Single Shaft (combustion turbine and steam turbine share a single generator)	Operating - in service	31.2
Trigen St.Louis	St Louis	CT-2	Combined Cycle Single Shaft (combustion turbine and steam turbine share a single generator)	Operating - in service	31.2
Trigen St.Louis	St Louis	IC-1	Internal Combustion Engine (diesel, piston, reciprocating)	Operating - in service	4.8
Trigen St.Louis	St Louis	ST-4	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	6.0
Trigen St.Louis	St Louis	ST-5	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	6.0



Emissions from Electricity Generated in 2011: Trigen St.Louis

	<b>CO2 Equivalent (TONS)</b>	<b>Carbon Dioxide (CO2) (TONS)</b>	<b>Methane (CH4) (TONS)</b>	<b>Nitrogen Dioxide (NO2) (TONS)</b>
Trigen St.Louis	368,728	185,986	3,511	352

	<b>Sulfur Dioxide (SO2) (TONS)</b>	<b>Annual Nitrogen Oxide (NOx) (TONS)</b>	<b>Summer Nitrogen Oxide (NOx) (TONS)</b>
Trigen St.Louis	0	0.0000	0.0000

Identified Flue Gas Desulfurization (FGD) controls installed on Trigen St.Louis power plant

<b>Plant</b>	<b>Control Equipment</b>	<b>Sorbent Type</b>
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on Trigen St.Louis power plant

<b>Plant</b>	<b>Control Equipment</b>
	No FGP Controls Installed



Missouri  
Department of  
Natural Resources

**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>