



Trigen St Louis Energy Corporation
Power Plant Name: Trigen St.Louis
Electric Generation and Emissions in 2010

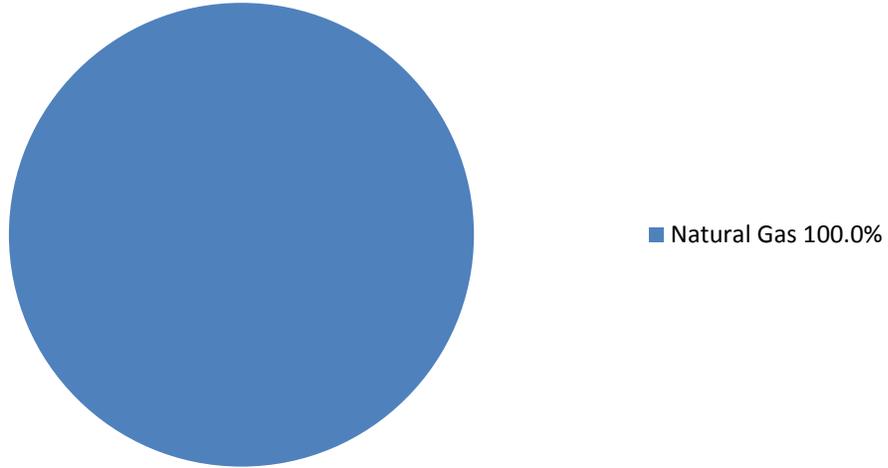
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal						
Natural Gas	996,577	100.0%	100.0%	54,513	100.0%	100.0%
Petroleum						
Nuclear						
Other						
Non-renewable total	996,577	100.0%	100.0%	54,513	100.0%	100.0%
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	996,577		100.0%	54,513		100.0%

Fuel Type	Physical Units	Number of Units
Natural Gas	MCf	973,221



Net Generation by Fuel Type, 2010 for Trigen St.Louis





Power Plant Nameplate information for Trigen St.Louis

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
<i>Trigen St.Louis</i>		<i>All Operating Generators</i>			147.2
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	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 2010: Trigen St.Louis

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
Trigen St.Louis	461,473	232,978	4,394	439

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

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

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

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

Plant	Control Equipment
	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>