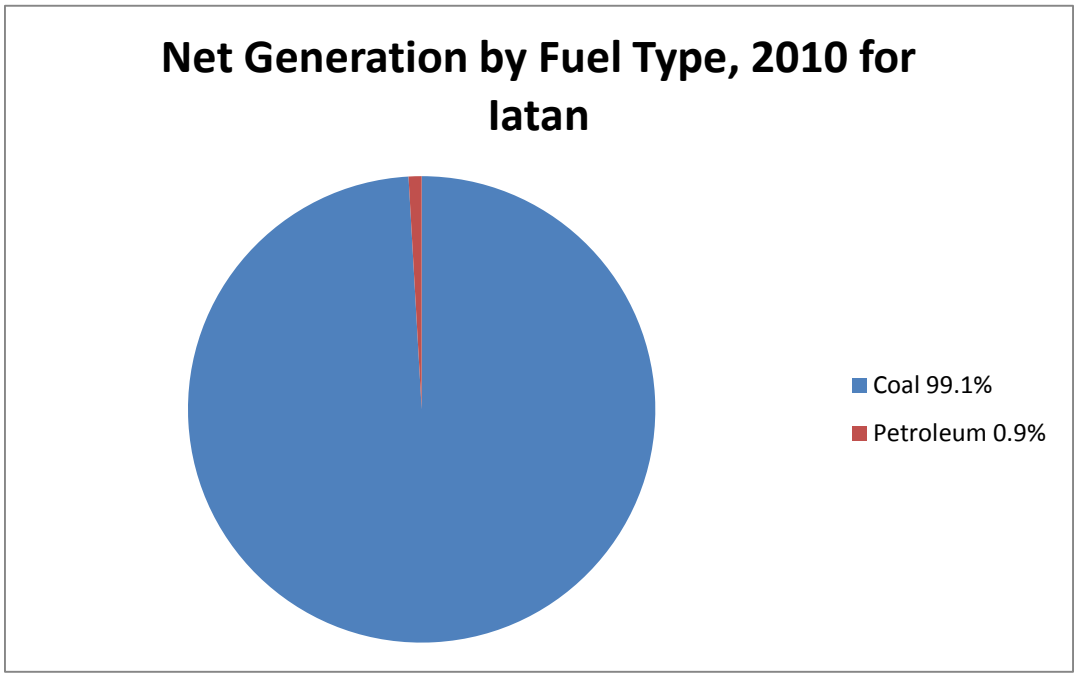
Missouri Department of Natural Resources

Kansas City Power & Light Company
Power Plant Name: Iatan
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	66,259,030	99.1%	99.1%	6,568,027	99.1%	99.1%
Natural Gas						
Petroleum	617,737	0.9%	0.9%	59,431	0.9%	0.9%
Nuclear						
Other						
Non-renewable total	**66,876,767**	**100.0%**	**100.0%**	**6,627,458**	**100.0%**	**100.0%**
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	**66,876,767**		**100.0%**	**6,627,458**		**100.0%**

Fuel Type	Physical Units	Number of Units
Sub-bituminous Coal	Short Tons	3,850,474
Distillate Fuel Oil	Barrels	107,245


Net Generation by Fuel Type, 2010 for Iatan
Coal 99.1%
Petroleum 0.9%

Missouri Department of Natural Resources

Power Plant Nameplate information for Iatan

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
Iatan		*All Operating Generators*			*6,560.0*
Iatan	Platte	1	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	2,904.0
Iatan	Platte	2	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	3,656.0

Emissions from Electricity Generated in 2010: Iatan

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
Iatan	241,616,791	28,544,098	3,221,843	469,077

	Sulfur Dioxide (SO2) (TONS)	Annual Nitrogen Oxide (NOx) (TONS)	Summer Nitrogen Oxide (NOx) (TONS)
Iatan	47,227	0.0005	0.0003

Identified Flue Gas Desulfurization (FGD) controls installed on Iatan power plant

Plant	Control Equipment	Sorbent Type
Iatan	Spray dryer type	Not Specified

Identified Flue Gas Particulate (FGP) controls installed on Iatan power plant

Plant	Control Equipment
Iatan	Electrostatic precipitator, cold side, without flue gas conditioning
Iatan	Baghouse, pulse

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