



Associated Electric Cooperative, Inc.
Power Plant Name: St Francis Energy Facility
Electric Generation and Emissions in 2010

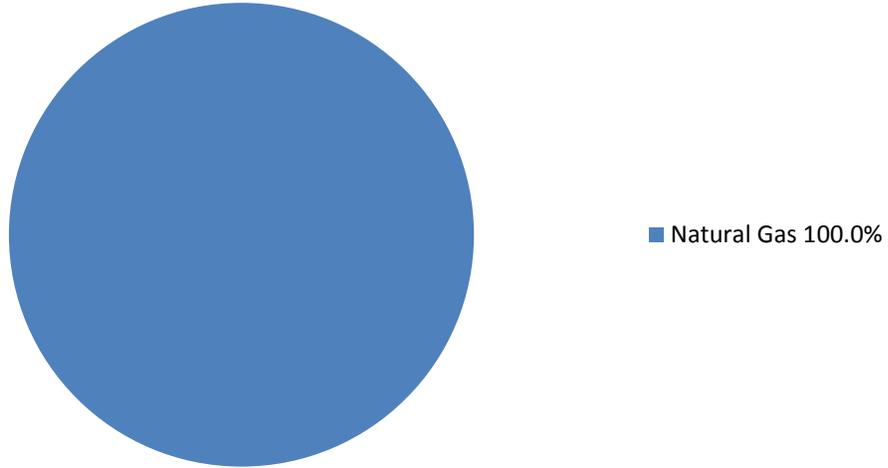
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal						
Natural Gas	5,780,123	100.0%	100.0%	754,038	100.0%	100.0%
Petroleum						
Nuclear						
Other						
Non-renewable total	5,780,123	100.0%	100.0%	754,038	100.0%	100.0%
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	5,780,123		100.0%	754,038		100.0%

Fuel Type	Physical Units	Number of Units
Natural Gas	MCf	5,731,734



Net Generation by Fuel Type, 2010 for St Francis Energy Facility





Power Plant Nameplate information for St Francis Energy Facility

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
<i>St Francis Energy Facility</i>		<i>All Operating Generators</i>			<i>2,456.0</i>
St Francis Energy Facility	Dunklin	1	Combined Cycle Single Shaft (combustion turbine and steam turbine share a single generator)	Operating - in service	1,192.0
St Francis Energy Facility	Dunklin	2	Combined Cycle Single Shaft (combustion turbine and steam turbine share a single generator)	Operating - in service	1,264.0



Emissions from Electricity Generated in 2010: St Francis Energy Facility

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
St Francis Energy Facility	2,676,534	1,351,265	25,486	2,549

	Sulfur Dioxide (SO2) (TONS)	Annual Nitrogen Oxide (NOx) (TONS)	Summer Nitrogen Oxide (NOx) (TONS)
St Francis Energy Facility	0	0.0000	0.0000

Identified Flue Gas Desulfurization (FGD) controls installed on St Francis Energy Facility power plant

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

Identified Flue Gas Particulate (FGP) controls installed on St Francis Energy Facility 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>