



**Union Electric Company (Ameren Missouri)
Power Plant Name: Callaway
Electric Generation and Emissions in 2011**

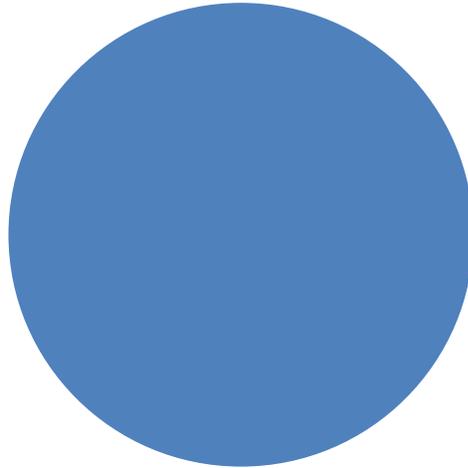
Generation Tables

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated, MWh	Percent of Total	
Non-renewable sources						
Coal						
Natural Gas						
Petroleum						
Nuclear	98,061,523	100.0%	100.0%	9,371,323	100.0%	100.0%
Other						
Non-renewable total	98,061,523	100.0%	100.0%	9,371,323	100.0%	100.0%
Renewable sources						
Biomass						
Hydroelectric						
Landfill Gas						
Solar						
Waste Fuels						
Wind						
Wood						
Renewable total						
Grand total	98,061,523		100.0%	9,371,323		100.0%

Fuel Type	Physical Units	Number of Units
Nuclear Fission	MMBTU	98,061,523



Net Generation by Fuel Type, 2011 for Callaway



■ Nuclear 100.0%



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Power Plant Nameplate information for Callaway

Plant Name	County Location	Generator	Generator Type	Generator Status	Nameplate Capacity (MW)
<i>Callaway</i>		<i>All Operating Generators</i>			<i>4,943.2</i>
Callaway	Callaway	1	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)	Operating - in service	4,943.2



Emissions from Electricity Generated in 2011: Callaway

	CO2 Equivalent (TONS)	Carbon Dioxide (CO2) (TONS)	Methane (CH4) (TONS)	Nitrogen Dioxide (NO2) (TONS)
Callaway	0	0	0	0

	Sulfur Dioxide (SO2) (TONS)	Annual Nitrogen Oxide (NOx) (TONS)	Summer Nitrogen Oxide (NOx) (TONS)
Callaway	0	0.0000	0.0000

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

Plant	Control Equipment	Sorbent Type
	No FGD Controls Installed	

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

Plant	Control Equipment
	No FGP Controls Installed



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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>