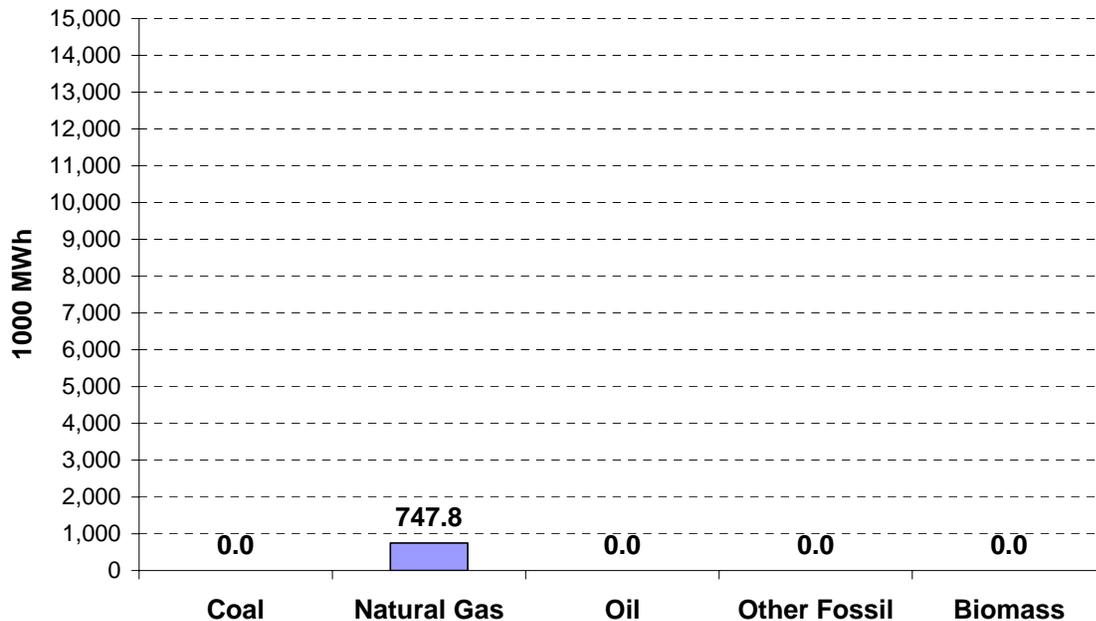




**Missouri  
Department of  
Natural Resources**

**Hawthorn Power Plant, Kansas City Power & Light Co. -  
Power generated in 2000 from fossil fuels & biomass**



**Note: In 2001, a rebuilt coal-fired unit was brought on line at Hawthorn, increasing the plant's generating capacity. In 2001, the plant generated 2,513 thousand MWh, of which 82 percent was produced from the new coal unit. Annual plant emissions in 2001 totaled 1,004 tons NO<sub>x</sub>, 3,043 tons SO<sub>2</sub> and 1.9 million tons CO<sub>2</sub>.**

**Emissions of criteria pollutants and CO<sub>2</sub> – 2000**

		Total emitted	Output-based rate (units per MWh)	Input-based rate (units per mmBTU)
NO <sub>x</sub> - Annual	(Tons)	146	0.390	0.06
NO <sub>x</sub> – May 1 to Sept. 30	(Tons)	103	0.48	0.06
Sulfur dioxide (SO <sub>2</sub> )	(Tons)	2	0.00	0.00
Carbon Dioxide (CO <sub>2</sub> )	(Tons)	308,964	826	118.86

**Toxic Releases – 2001**

Hazardous Air Pollutants	(Pounds)	9,009
Toxic releases – Land	(Pounds)	527,876

**Data sources**

- ◆ Data for hazardous air pollutants and toxic releases is taken from Missouri Department of Natural Resources (DNR) Toxic Release Inventory (TRI). For more information see:  
U.S. Environmental Protection Agency (EPA) TRI home page – <http://www.epa.gov/tri/>  
Missouri DNR TRI reports posted at <http://www.dnr.mo.gov/oac/bus.htm>
- ◆ Data for other emissions and generation in 2000 is taken from EPA Office of Atmospheric Programs, eGRID (Emissions & Generation Resource Integrated Database) database, April 2003.

- ◆ Emissions and generation data for 2001 is taken from the U.S. DOE Energy Information Administration Form 906 database and the EPA 2001 Emissions Scorecard, both based on data reported by utilities.

**Definitions**

NO <sub>x</sub>	Oxides of Nitrogen
MWh	Megawatthours (1000 kilowatthours)
mmBtu	Million British Thermal Units