

**Kansas City, MO Streetlights Annual lbs of CO2 Produced**

Streetlights Type (W)	Quantity	Annual Burn Hours	State CO2 lbs/kWh*	Annual kWh	Annual lbs CO2 Produced
70	121	4100	1.84	34,727	63,898
100	51912	4100	1.84	21,283,920	39,162,413
150	14114	4100	1.84	8,680,110	15,971,402
175	154	4100	1.84	110,495	203,311
250	10489	4100	1.84	10,751,225	19,782,254
400	11264	4100	1.84	18,472,960	33,990,246
750	90	4100	1.84	276,750	509,220
	88144		<b>Total</b>	<b>59,610,187</b>	<b>109,682,744</b>

**Metric Tons\*\* 49,743**

**Kansas City Metropolitan Area Annual lbs of CO2 Produced in Light Pollution**

Light Energy Loss/Year (10 <sup>6</sup> kWh)***	Average Bi-State CO2 lbs/kWh	Annual lbs CO2 Produced
71.5	1.76	<b>125,840,000</b>

**Metric Tons\*\* 57,070**

\* Values from Updated State-level Greenhouse Gas Emission Coefficients for Electricity Generation 1998-2000  
 Published by: Energy Information Administration, Office of Integrated Analysis and Forecasting,  
 Energy Information Administration, U.S. Department of Energy, April 2002

\*\*2205lbs per Metric Ton

\*\*\*Educating the Public about Light Pollution, Syuzo Isobe, Shiomi Hamamura, Christopher Elvidge;  
 Observing the Astronomical Sky, IAU Commission 50, Symposium, Vol 196, 2002

**Produced by Robert Wagner 3/20/2008**