



## Electricity Cost of Waste Outdoor Lighting, United States - 2014

EIA Data for 2014 - EIA data Release date October 21, 2015. Next release date October 15, 2016

### Electricity Consumption

Sector	Number of Customers	Consumption avgKWh/month	Consumption avgKW/year	Consumption totalKWh/Year	avgRate \$/KWh	2014 Total\$	Overall Avg\$/KWh
Residential	128,680,416	911	10,932	1,406,734,307,712	\$0.1252	\$176,123,135,326	
Commercial	17,853,995	6,311	75,732	1,352,118,749,340	\$0.1074	\$145,217,553,679	
Industrial	839,212	99,059	1,188,708	997,578,018,096	\$0.0712	\$71,027,554,888	
				3,756,431,075,148		\$392,368,243,893	\$0.1045

(19% of total elec)

(16.8% of lighting)

(30% of Outdoor Lighting)

**Lighting**

**Outdoor Lighting**

**Waste Outdoor Lighting**

713,721,904,278.12		\$74,549,966,340
120,312,101,404.16		\$12,566,887,826
36,093,630,421.25		\$3,770,066,348

**2014 Waste Outdoor Lighting \$/yr = \$3,770,066,348**

### Sources:

**U.S. Department of Energy, Energy Information Administration**

[http://www.eia.gov/electricity/sales\\_revenue\\_price/index.cfm](http://www.eia.gov/electricity/sales_revenue_price/index.cfm)

Summary Tables - Electric Sales, Revenue, and Average Price with data for 2014

For Residential, Commercial and Industrial market sectors

<http://apps1.eere.energy.gov/buildings/publications/pdfs/ssl/2010-lmc-final-jan-2012.pdf>

DOE 2010 U.S. Lighting Market Characterization published January 2012

From Table ES-1 U.S. National Energy Use for Lighting Disaggregated by Sector

Lighting accounts for 19% of total electric consumption

Outdoor Stationary lighting is 16.8% of total lighting electric consumption

The outdoor sector comprises eight different applications including building exterior, airfield, billboard, railway, stadium, traffic signals, parking and roadway.

The outdoor stationary sector accounts for the sources not installed inside buildings.

This includes sources that may be associated with a specific commercial or industrial building but are installed on the exterior, such as parking lot lights

or exterior wall packs. This is in contrast to the 2001 report in which some outdoor lighting was classified in the commercial and industrial sectors.

In addition, the 2010 estimates for the outdoor sector include subsectors not previously analyzed, namely stadiums and railroad applications.

\* The Waste Outdoor Lighting \$ shown here is based on 30 percent waste factor (estimated) for all outdoor stationary light sources

Waste Outdoor lighting is defined as: Direct upright + Lights on where they are not needed + Lights on when they are not needed