



ENVIRONMENTAL IMPACT

How Can Lighting Damage the Environment?

Although it appears innocuous, lighting causes air pollution. Here's how: Each day, your local power plant will commonly burn coal, oil, and gas to generate electricity for your lighting system as well as for your other electrical needs. While burning these fossil fuels produces a readily available and instantaneous supply of electricity, it also generates air pollutants:

carbon dioxide (CO₂), sulfur dioxide (SO₂), and nitrogen oxides (NO_x)

Air Pollution Causes Global Warming, Acid Rain and Smog

Each of these pollutants causes environmental damage. Carbon dioxide (CO₂) causes global warming, sulfur dioxide (SO₂) causes acid rain, and nitrogen oxides (NO_x) cause both acid rain and smog.



Your Lighting Project will help to decrease air pollution and environmental damage by the following amounts each year:

74,519	pounds of Carbon Dioxide
124,198	grams of Sulfur Dioxide
288,140	grams of Nitrogen Oxides

By removing those quantities of pollutants from the air, your Lighting Project will have the same affect on the environment as:

Planting	9	Acres of Trees
Removing	7	cars from the road each year or
Saving	4,516	gallons of gasoline each year



Source : U.S. Environmental Protection Agency