



Something that the Team at Eco Growtech want to bring to the public's attention is the fact that the mainstream use of HID fluorescent lighting fixtures is having a major negative impact on our planet, our air, water and soil. With the high demand for power generation and the disposal requirements, HID fixtures are one of the most earth-damaging lighting systems on our planet. The alternative to replace these dangerous Mercury and lead filled fluorescents is industrial LED fixtures which Globally would reduce nitrous oxide and sulfur dioxide pollution by 67,000 tons, drastically reducing smog, respiratory issues and the incidence of acid rain. This simple switch would slash carbon emissions by up to 28 million metric tons, which is the equivalent of taking 6 million passenger cars a year off the road. In turn this lower electricity demand would eliminate the consumption of around 5 million gallons of freshwater that is used in the power generation process. This would then free up enough water to supply appoxmently 17,000 households.

Now let's talk about HPS bulbs in particular. These bulbs are the most common non LED light source used in industrial applications which contain enough mercury to poison an entire classroom with a single bulb. They also contain tungsten and other compounds that are classified as hazardous waste, which is supposed to be handled wearing full hazmat suits. With the millions of these lamps installed and replaced regularly, it is creating a substantial environmental risk as well as posing massive health concerns for the human population. Being classed as hazardous material status, proper hazmat disposal protocols should be used for safer removal and disposal, which in turn now adds to the environmental and operational costs of using HPS fixtures. As an environmentally friendly and ethically run Company we at Eco Growtech strongly encourage other Companies and governments to do their part to eliminate the use of the hazardous conventional lighting. This makes switching over to LED a much safer lighting solution for people and our planet for generations to come. Let's all do our part to protect our water, air, soil and keep us all healthier human beings!