

Efficient Lighting Source

Does 80% sound like a lot to you?
Does it catch your interest when you hear that something gets decreased by a whopping 80%? If the answer is yes, you'd be glad to hear that, in comparison to standard fluorescent lights (CFL), **LED lights reduce electric consumption by more than**



80%. What's even better is that, as of today, **ASB facilities have replaced 99% of their lights with an LED system**. The production and usage of electricity often rely on the combustion of fossil fuels, which intensifies the planet's natural Greenhouse Effect and contributes to global climate change. Being mainly generated by natural gases (34%), coal (30%), and nuclear energy (20%) across the globe, **electric consumption has been tied with an impressively large amount of greenhouse gas emissions**. In addition, the power plants installed in order to generate this electricity tend to be built in natural areas which consequently disrupts the local biodiversity. The investment made by ASB in order to substitute our lighting system is a great step towards a more ecologically and economically sustainable campus. According to José Manuel Calahorra, **the implementation of LED lights does not only target our sustainability goal but is also extremely cost-efficient for our school** due to its long durability, less need for maintenance, and affordability in comparison to our previous lighting. **Our next steps** include making our school 100% LED-based which conveys switching the bulbs in the high school

stairs. Another step is changing the tall lights in the soccer field with a more energy-efficient lighting source. These have shown to be taxing tasks for our staff team, but they have reassured us that they are **feasible in the near future**. The EcoClub supports further work to improve electric efficiency on campus and encourages our school community to consider and implement [means to conserve electricity at home](#).

Infographic for Energy Conservation Post:

