

# Why is my energy bill higher since my LED installation?

## ***Bills could be higher if...***

- No meter read or estimates of a meter-read
- Outside weather conditions changed
- New or upgraded equipment installed
- Operating hours changed as originally stated in the energy audit
- Additional lighting was added at the facility after the energy audit
- Additional air-conditioning or heat running the prior month
- Your Power Company/supplier placed you in peak demand because of high use of energy (cold or hot spell) and put you into paying peak costs per kWh



There could be many reasons why this bill is higher but let's start by explaining why it CANNOT be a higher kWh.

When we do an audit, we replace higher wattage bulbs and fixtures with high quality low wattage LED bulbs and fixtures. Since the LED is "same power on/same power off" there is no spike in power when turned on. They are replaced with bulbs and fixtures that are at least **55% LESS POWER** then what had previously existed. For that reason, the LED lights could never be higher than what was there.

When we replace any light bulb or tube with high-quality, low wattage LEDs, we reduce the electricity consumption resulting in saved money. For example, we typically replace a 400-watt high-pressure sodium light with a 150-watt LED lamp, saving 250-watts and the LED light will produce a brighter, better light. Multiply those savings by all the bulbs and tubes that are replaced with LEDs in the facility. In other words, 250-watt saving is still a 250-watt saved regardless of whether 1 or 100 air conditioning units are running. *(NOTE these savings from wattage reduction are independent of the AC units or other equipment in the building)*

In conclusion, a LED cannot cause a higher energy bill. Once you install a LED that is few watts, it will ALWAYS be fewer watts.