

Portfolio

SL Boyd Engineering

Solar Ace Solutions was approached by SL Boyd Engineering to convert their inefficient exterior lighting to efficient LED lighting. Prior to the conversion, the customer was concerned about high electricity prices, as well as the increase in temperature to their dimmer switch while the traditional lights were in operation. The dimmer switch increased in temperature so much that it was hot to touch and could have been a potential fire hazard.

We completed an analysis on their exterior lighting which determined their bulbs consisted of 50 watt halogens, 50 watt incandescents and 70 watt floodlight lamps, for a total of **1,460 Watts!** We converted their existing bulbs to high quality LED products which drastically reduced the total wattage to **188 Watts!** Not only did the conversion reduce their energy consumption, but also increased the overall brightness of the premises as well as completely diminished the heat output from the dimmer switch.



MNR - Hill's Lake Fish Culture Facility

We provided high efficient LED products to replace existing 200 Watt incandescent bulbs in high bay fixtures both inside and outside of the facility. The facility requested dimmable products be used for this application consequently further reducing energy consumption. Outside fixtures were retrofitted from 200 Watt down to 20 Watt LED BR40's resulting in **90% energy savings**. Inside fixtures were retrofitted from 200 watt incandescent down to 14 Watt LED BR30's resulting in **93% energy savings**.

