



CED Baldwin Hall spearheaded an LED lighting upgrade project at our customer's Food and Beverage facility, delivering over \$200,000 in annual savings. The plant had a fluorescent lighting system installed throughout the facility, with 18,000 lamps in use. By upgrading their lighting system to LED fixtures, the plant has realized the following benefits;

- A gross annual kWh energy reduction of 2,735,061 lowering utility costs by \$191,454 a year.
- Energy Rebates offered by the local utility company offset the initial investment by 30%, supporting a calculated payback on the investment at 0.38 years.
- Reduced energy usage related to the upgrade will represent a CO2 savings of 3,008,567 lbs.
- Maintenance cost reductions (re-lamping) of more than 50% will be realized due to the increased life offered with LED technology. The LED lighting system has a rated life of 2-1/2 times than that of the fluorescent lighting system.
- Costs associated with replacement lamps disposal costs are reduced by more than \$7200 a year. Fluorescent lamps have special recycling requirements due to mercury content.

The CED effort exemplifies the opportunities for long-term sustainable savings that LED lighting upgrades offer to our end-user customers.