

## **Increase Lighting with New LED Technology at Warehouse** Eliminate failure points by removing the fluorescent ballasts

**Target:** WHIP AREA

- Eliminate waste and mistakes by increasing the light levels in the work area
- Brighter shop will make working on equipment easier
- Instant on technology; no waiting for lights to warm up in the cold weather
- LED lights do not produce U/V light; no bugs or insects will be attracted to the fixtures
- Annual energy savings are estimated at \$1,647.36 with a lighting run time of 5,200 hours per year and a kWh rate of \$.11
- U.S. Department of Energy estimates a cost of \$2.37 per lamp annually in bulb and ballast maintenance, thus another \$568.80 in annual maintenance savings by removing the ballast
- Customer will receive \$1,440.00 in estimated Alliant Energy rebates, covering 46.7% of the project cost
- LED lighting supplied on this project by Sitler's LED Supplies will have a 10-year replacement warranty backed by our 40 years in the lighting business

In the last year, Sitler's LED Supplies has supplied similar lighting to Manatts Farms in Brooklyn, IA and Brenneman Farms in Kalona, IA. They are extremely happy to be working on equipment with adequate lighting.

The installation will be at the discretion of the Customer. The payment terms will be 30 days from when the product is delivered.

Given the quick installation time, value of the lighting for shop work, incentives available, and savings once the lighting is installed, it is our recommendation that this lighting retrofit be completed as soon as possible.

**FINANCIAL:** Total Project Cost to equal \$3,081.60. After the Alliant Energy Rebate estimated at \$1,440.00, the estimated Out of Pocket Expense will be \$1,641.60.

Simple Payback: 1.0 year

Return on Investment: 100.4%

10-Year Energy Savings: \$18,885.60

Savings to Investment Ratio: 11.5

\* Financial findings based on 10-year analysis and 3% inflation

**STATUS:** Sitler's LED Supplies can have all items in inventory within 3 weeks of approval.

**ACTION:** Sitler's LED Supplies will wait on approval from Customer.