

Front Range Energy



LED High/Low Bay Lighting

The Challenge

Front Range Energy's existing 400W High Pressure Sodium fixtures were becoming a maintenance nightmare due to the 24/7 operation. The quality of the light was so terrible that workers were having trouble seeing machinery.

The Solution

LED high bays from Cree provided a clean crisp 4000K color temperature while simultaneously reducing energy use by 55% and alleviating maintenance with an industry leading 10 year warranty. As you can see the difference is night and day!

Green Impact

Front Range Energy will achieve an estimated 55% reduction in Greenhouse Gas Emissions by implementing this Lighting Efficiency Project.



Planting 11 Acres of Trees



Reducing GHG Emissions by 131,733 lbs.



Removing 16 Cars from the Road



Annual Energy Savings: \$7,120

Front Range Energy will achieve a 55% reduction in annual energy costs. Focusing on their longest running and highest wattage fixtures first will help provide maximum energy savings



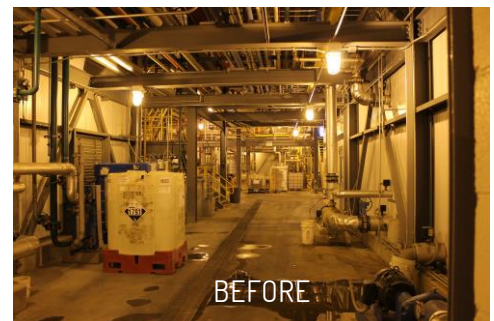
Annual Displaced Energy: 108,317 kWh

This is a 24/7 facility which amplifies energy use from high wattage sources. By targeting these sources this project kept cost low while keeping the reduction in energy use high.

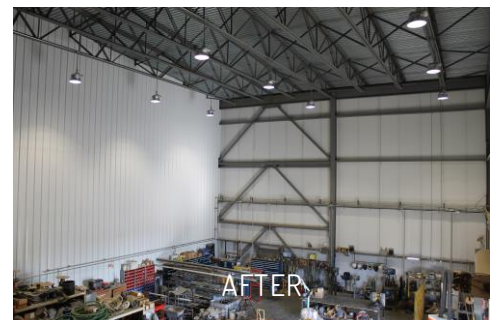


PVREA Rebate: \$2,616

Utilizing the custom rebate program from Poudre Valley REA, Front Range Energy received maximum rebates for this project.



BEFORE



AFTER