

# 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.

