

# U.S. Cold Storage, Inc.

energy savings for  
cold storage distribution facility

## The Company:

U.S. Cold Storage, Inc. (USCS), an integral link in America's food supply chain for more than a century, provides refrigerated storage and distribution services to the food service industry. At their Tracy, CA, facility-an ultramodern cold storage distribution center specially designed for the storage and distribution of all types of agricultural and fully manufactured frozen and refrigerated goods-USCS decided to explore energy savings options as part of their corporate sustainability program.

## The Energy-Saving Challenge:

USCS contacted SmartWatt Energy, Inc., to perform a construction-grade energy audit and complete a value-engineered design of a new energy-efficient lighting system. SmartWatt chose LED fixtures manufactured by Albeo Technologies, Inc., for the project, based on their superior performance in cold storage applications. USCS's goals were to dramatically improve the quality and quantity of light, and to save energy.

## Smart Savings:

In addition to improved working conditions, USCS will enjoy the following realized energy savings from this LED lighting retrofit project:

- Annual Displaced Energy: 541,000 kWh
- EPAAct 2005 Tax Deduction: \$117,619
- IRR: 35.2%
- Payback Period: 1.6 years

## PG&E Incentive Value: \$69,222

## Green Impact:

This project has led to the equivalent reduction of:

- 856,554 pounds of Carbon Dioxide

This project saved electricity and removed pollutants from the air and will have the same effect on the environment as planting 83 acres of trees or removing 74 vehicles from the road each year. The project also saved enough energy to power over 47 homes per year.

Source: EPA



## U.S. Cold Storage, Inc. Cold Storage Distribution Facility

Replacement of HID lighting fixtures with energy-efficient Albeo Technologies LED lighting fixtures helped USCS shed 76 kW from their cold storage distribution facility.

**ABOVE:** COLD STORAGE FACILITY AFTER LED LIGHTING RETROFIT

**RIGHT:** ALBEO TECHNOLOGIES C-SERIES LINEAR DUAL 63" LED FIXTURE USED IN LIGHTING RETROFIT



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