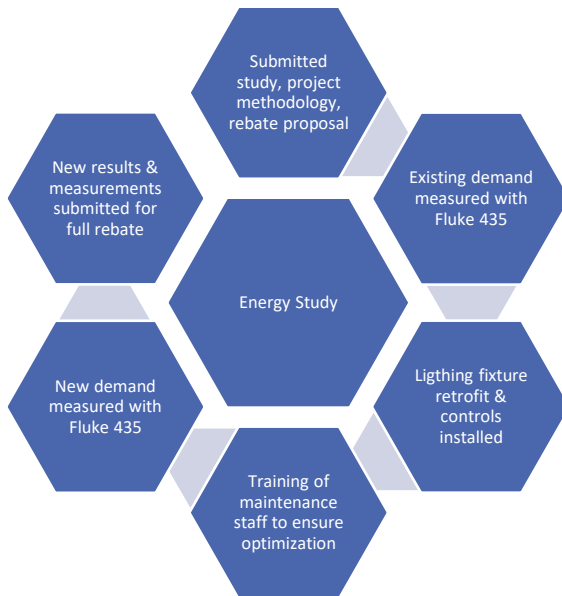




SUSTAINABLE PLANT LED LIGHTING

EnergyEfficiency Partner
AN OPPD POWERFORWARD PROGRAM



OPPD LED LIGHTING TRANSFORMATION

The new facilities manager of a large international gourmet food company had experience with energy savings projects. He recognized an opportunity to save his new company operational cost at its 94,000-square foot warehouse distribution center by upgrading the facility’s outdated HID and fluorescent lights to an environmentally- friendly energy efficient lighting solution. Requirements for the project included: Quick return on investment (ROI) Automate dimming and turning off lights during off hour; Reduced maintenance cost Significantly reduce the company’s carbon footprint Use of light fixtures suitable for a food environment

The facilities manager contracted Consolidated Electrical Distribution (CED) of Omaha, to redesign and upgrade the lighting, replacing the existing HID and fluorescent fixtures with LED light fixtures. It also included a Daintree control system to provide the ability to have individual control of each of the fixtures, including providing set points for lighting levels, dimming of spaces when its function is not needed, as well as individual occupancy sensing control for each fixture.

ELECTRICITY SAVINGS

92% SAVINGS IN ELECTRICITY USAGE

Lighting is 30 to 40 percent of most commercial buildings' energy consumption. Many utility companies offer financial rebates to commercial customers who invest in projects to reduce their peak demand electricity usage

Sustainability in Action	Huffman Engineering Automation
129.1kW to 35.1 kW	73% Reduction in Demand
\$49,600 Utility Rebate	\$86,000 Energy Savings Tax Deduction
92% Saving in Electricity Usage	\$323,000 in saving over 5 years
Reduction in Greenhouse Gas Emissions	Projected \$40,000/year savings in Maintenance Costs