



### SUSTAINABILITY IMPACT

Projected Annual Energy Savings	594,922 kWh
Annual Carbon Dioxide Equivalent	421 Metric Tons
CO2 Sequestered By Trees Annually	549 Acres
Cars Removed from the Road	91 Cars
Gallons of Gasoline Consumed Annually	47,333 Gallons

### KEY PROJECT METRICS

Total Square Footage	125,000 ft <sup>2</sup>
Existing Lighting	T8 Fluorescent
Annual Savings:	\$ 67,853.59
10-Year Positive Cashflow:	\$ 558,440.77
Utility Incentive Received:	\$ 110,527.05

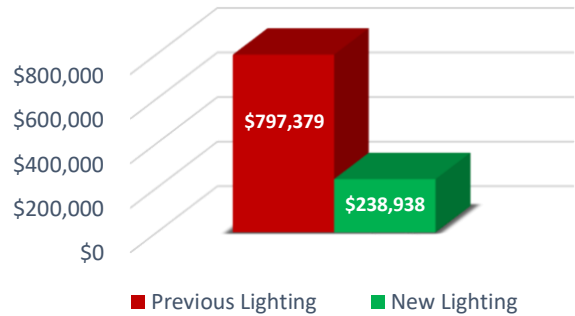
### PROJECT OVERVIEW

Reducing energy waste, operating costs, and Camshaft’s carbon footprint were the three main goals for Energy Design Engineers. With the implementation of Intelligent LED Lighting throughout Camshaft Machine’s plant and office areas provided significant cost reductions, much improved work environment, and reduced the plants lighting maintenance costs. This project also has an environmental impact of removing 421 Metric Tons of Carbon Emission annually.

#### Detailed Review

Baseline Lighting kWh/year	700,340 kWh
Post Lighting kWh/Year	109,018 kWh
Total kWh Savings:	591,322 kWh
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% Saved from LED Retrofit	58%
% Saved from LED and NLC Retrofit	85%
% of Project Covered By Incentive	48%
Pre % of Energy Bill Due to Lighting	25%
Post % of Energy Bill Due to Lighting	5%
% of Fixture Reduction	5%

### 10-Year Cost of Ownership



### NOTABLE PROJECT MENTIONS

1. INCREASED AVERAGE LIGHT LEVEL FROM 30-45 FC TO 55 FC
2. UTILITY COVERED \$110,527.05 (48%) OF THE PROJECT COSTS BECAUSE OF THE PROJECTS MAXIMIZED ENERGY SAVINGS AND USE OF NLC
3. REDUCED 85% OF CAMSHAFTS LIGHTING ENERGY LOAD WITH THE ABILITY TO ACHIEVE FURTHER ENERGY SAVINGS
4. REDUCED CAMSHAFT’S CARBON FOOTPRINT BY 421 METRIC TONS EACH YEAR
5. CAMSHAFT MACHINE NOW HAS TOTAL CONTROL OVER LIGHTLEVELS, LIGHTING BEHAVIORS AND MORE.
6. IMPLEMENTED A SOLUTION WITH A LIFE EXPECTENCY OVER 25 YEARS THAT REQUIRES LITTLE TO NO MAINTENANCE.

