



Owens-Illinois Glass

85%
Saved

Owens-Illinois Glass, Inc.

Headquartered in Perrysburg, Ohio, O-I is the preferred partner for many of the world's leading food and beverage brands. With a team of approximately 24,000 people across 70 plants in 19 countries, O-I achieved revenues of \$6.4 billion in 2021. The United Nations designated 2022 as the International Year of Glass to celebrate the past, present, and future of this transformative material.

Key Metrics

Project Cost after rebate \$ 47,260
Annual Savings: \$ 46,393

- Payback Period: 1.5 years
- ROI driven by 86% energy savings and elimination of maintenance costs
- Cooler LEDs Reduced HVAC load
- Significant reduction in hazardous waste; Eliminated need for Mercury Vapor bulb disposal

Annual CO2 Reduction: 182 metric tonnes

CHALLENGE

Aligned with O-I's sustainability goals, Watts Matter was engaged by their Sustainability Team to audit and upgrade lighting at their corporate headquarters.

Our proposal included 11W G24 can lights, 8W LED tubes for T-8 office fixtures, and 40W Shoebox replacements for 250W HID wall packs. Despite a low \$0.075/kWh rate, energy and maintenance savings paid for the upgrade in under 1.5 years. Impressed by the results, they asked us to audit their other plants, aiming to upgrade lighting across all locations globally.

SOLUTION

1. 195 - 26W Can Lights -> 11W G24-4pin
2. 2490 - 28W 4' Fluorescent Tubes -> 8W 4' T8 LED Tubes
3. 31 - 250W HID Wall Packs -> 40W Shoebox

BENEFITS

Long-lasting Performance: 10+ years of maintenance-free operation.

Improved Light Quality & Enhanced Safety: Better visibility. Bright, natural light replaced the dim, greenish hue.

Significant Energy Savings: 85% energy reduction, saving 8,952,386 kWh annually.

Energy Use

1

- Annual Energy Use Before: 550,980 kWh
- Annual Energy Use After: 80,327 kWh

Electricity Cost

2

- Annual Electricity Cost Before: \$ 50,531
- Annual Electricity Cost After: \$ 7,390

Energy Savings

3

- Yearly Energy Savings: \$ 43,141
- Yearly Maintenance Savings: \$ 3,252
- Yearly Savings: \$ 46,393



Discover how our innovative solutions can benefit you.



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