



CASE STUDY FOR A

High Efficiency Lighting Conversion Rebate



Our lighting upgrade has been a true 'Win-Win' scenario for everyone. We improved our lighting significantly, eliminated about a third of the fixtures, enhanced our entire work environment for the people we serve, and our energy savings will allow us to recoup our investment in about two years.

LAUREN BRANCH
President and CEO
NEWVIEW OKLAHOMA



THE COMMERCIAL LIGHTING PROGRAM AT A GLANCE

PROGRAM OVERVIEW

OG&E's Commercial Lighting Program provides financial rebates to assist those commercial or industrial clients who install new, high efficiency lighting systems and related energy-saving ideas that help to improve visibility in indoor environments as well as reduce energy consumption overall.

The Commercial Lighting Program is a true "win-win" scenario. As participants enjoy greatly improved work areas and lower energy bills, OG&E experiences both reduced peak energy demand and overall demand reduction. This is helping to achieve the "2020 Goal" of no new incremental fossil fueled power generation required in Oklahoma before year 2020.

ELIGIBILITY: Rebates and financial incentives are available to qualifying commercial and industrial operations in the OG&E service areas in Oklahoma only.

PROJECT SUMMARY

NewView Oklahoma's Goals

- Reduce energy consumption
- Lower total energy costs
- Improve indoor lighting quality
- Provide an improved work environment for visually-impaired employees
- As a non-profit entity, to be the best steward possible of donated funds

Equipment Installed

- Replaced more than 550 energy-draining incandescent light fixtures with new LED as well as several hundred high-efficiency T-8 and T-5 lighting fixtures throughout their massive, **73,000** square-foot industrial facility;
- Replaced several dozen old and inefficient 400-watt metal halide (HID) lighting fixtures with high-efficiency T-5 fixtures.

Financial Analysis

Estimated kW (kilowatt) Reduction: **38.34**

Annual kWh (kilowatt hours) Saving: **151,254 kWh**

Projected Energy Cost Savings \$21,203.00



Exchanging Old Lighting Inefficiencies for New Savings and Improved Visibility Made it Easy for NewView Oklahoma to See the Difference.

The Situation

Over the past 40 years, NewView Oklahoma (formerly Oklahoma League for the Blind) has made due with a woefully inadequate lighting system in their on-site manufacturing facility. Not only has the outdated, inefficient lighting been a drain on the non-profit's finances, but the substandard visibility has adversely affected the organization's visually-impaired workforce who had to make the best of a bad situation daily.

The Dilemma

NewView Oklahoma management realized their untenable situation and the need to improve their overall lighting scenario, both from a visibility standpoint, as well as to improve worker safety. They began to consider their options and wondered about the solution. Could they simply retrofit their lighting concerns by replacing old, outdated fixtures with new, high efficiency fixtures? Or would the age and severity of their lighting deficiencies require a total replacement of the entire lighting grid and electrical system?

The Solution

Requesting that representatives from OG&E make a site visit, NewView listened as OG&E experts spoke about lighting options, the opportunity to switch to energy efficient lighting, and about the OG&E Commercial Lighting Program rebates. It was clear that the replacement of outdated lighting fixtures with new, energy-efficient lighting would lower the agency's monthly electricity costs, reduce energy consumption and significantly improve the work environment of the visually-impaired people they serve – truly a "Win-Win-Win" situation.

The Result

Exchanging the old, energy-gobbling incandescent light fixtures with high-efficiency LEDs, T-8 and T-5 fixtures has brought new and greater clarity to NewView's manufacturing operations and personnel. The non-profit agency was pleasantly surprised at how fast and easy the rebate application was, and how quickly their nearly \$8,000 rebate arrived. And with a short, 24 months until they regain their entire investment, the staff and employees of NewView Oklahoma are now seeing things in a whole new light.



To learn how you can take advantage of OG&E's Commercial Energy Efficiency Program and qualify for a rebate, please contact **GALE LEWIS**.

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