

Colorado Electric



Lighting upgrades yield energy savings for

Canon City Lanes

Overview

In April of 2019, Canon City Lanes upgraded their interior and exterior lighting to new energy-efficient technologies. These lighting upgrades have reduced their electric usage and energy costs, while improving the quality of light inside and outside of their facility. In addition to **\$244** in monthly energy savings, Canon City Lanes received an incentive of **\$9,097** through the Black Hills Energy Small Business Direct Install Program to make their upgrades.

The Company

Built in 1960, Canon City Lanes is a landmark entertainment center, which offers league and open bowling, arcade gaming, and food and beverage service. Reopening under new ownership in December of 2018, this business features 20 bowling lanes, an arcade, a full bar, and space for events and parties.

The Challenge

Canon City Lanes was equipped with inefficient fluorescent, incandescent and metal halide lighting fixtures throughout the interior and exterior of the building. The owners wanted a long-term solution for reducing their energy use, but also sought to improve the light quality for customers and staff, while addressing any potential safety concerns with the old lighting systems.

The Solution

The Black Hills Energy Small Business Direct Install Program performed an assessment of the bowling alley's energy systems. In the assessment, the energy advisor performed direct install of A-based lamps, faucet aerators and high-pressure spray rinse valves, to kick off 'instant-savings' of 15,604 kWh for \$1,657.00 in annual savings for the customer. While also suggesting a range of energy-savings upgrades, including retro-fitting the 110W 8Ft. Florescent Tubes to higher efficiency 4-foot LED Tubes, along with sleek 2x4 flat panel LED fixtures in place of the 4-lamp T12/48 troffers. Finally switching out the exterior façade HID fixtures to low-wattage high output LED wall pack fixtures to complete the upgrade. After Canon City Lanes worked with Harding Electric to make the upgrades, they not only received their rebate check, but also numerous compliments from customers. The lighting is brighter, more pleasant, and is providing a safer space for customers and staff.

The benefits

- **\$244** in energy savings per month
- **\$9,097** in incentives from Black Hills Energy
- Enhanced quality of light
- Improved appearance and safety

Who can benefit?

Any Black Hills Energy commercial customer with an average demand use of 350 kW or less per month.

