



Efficiency Works™

Estes Park  
Power &  
Communications

Fort Collins  
Utilities

Longmont  
Power &  
Communications

Loveland  
Water and Power

Platte River  
Power Authority

# Facility-wide lighting saves the budget

**Circle Graphics** needed help undertaking a facility-wide lighting upgrade for their 200,000 sq. ft. facility located in Longmont, and turned to Efficiency Works energy advising for assistance in finding the right partner and most cost-effective way to accomplish the task.

## Project highlights



**320,847**  
kWh saved  
annually



**\$43,701**  
Rebates



**\$24,836**  
Annual cost  
savings



“Upgrading to efficient and sustainable lighting in a 200,000 sq. ft. facility is a challenge; Efficiency Works and Longmont Power & Communication were essential partners through multiple steps of the project. We are grateful to operate in a community where we have so much support and resources through our municipality.”

Andrew Cousin  
CEO  
Circle Graphics

Visit [www.EfficiencyWorks.org](http://www.EfficiencyWorks.org) for more information.

# Project details

In 2019, an Efficiency Works energy advisor partnered with Circle Graphics and Longmont Power & Communication to develop a rebate application that ended up covering about 55% of the overall project cost.

Efficiency Works energy advising helped Circle Graphics choose a contractor to ensure that their project maximized the available rebates. Circle Graphics also followed through on the advice to undertake a smaller LED exit-sign upgrade project following the larger-scale lighting project. Their advisor was always available to answer rebate and program questions, guaranteeing a smooth process for Circle Graphics.

- One 200,000 square foot office and manufacturing/printing facility
- 529 LED fixtures installed replacing metal halide and linear fluorescent fixtures.
- Project timeline:
  - First quote received in August 2019, prior to Efficiency Works involvement
  - Efficiency Works meeting with customer in December 2019 followed by pre-approved rebate within two (2) weeks
  - Project completed and submitted for rebate in April 2020

Location	Lights removed	Lights installed	Rebate	Annual kWh savings	Annual cost savings
Office	375 2' and 4' recessed fluorescent fixtures	375 LED tubes, retrofits, and fixtures (28-44W)	\$13,854	66,452	\$5,144
Manufacturing	45 fluorescent strip fixtures	44 LED retrofits and fixtures (22-46W)	\$1,362	6,590	\$509
Manufacturing	19 400W metal halide fixtures and 98 fluorescent high bay fixtures	110 LED high bay fixtures	\$28,485	247,805	\$19,183
Total	537	529	\$43,701	320,847	\$24,836

## Additional benefits

- Advising services allowed for open ended conversations about the lighting project as well as other potential energy savings (and rebate eligible) projects throughout the facility.
- Efficiency Works staff was able to help the customer review bids from contractors to determine eligibility.

Energy advisors from Nexant assisted this customer on this project.

