



retail

Case Study

Driving savings and efficiency for GreatWest Kenworth



LED lighting helps GreatWest Kenworth save energy, reduce maintenance costs and increase productivity. GreatWest Kenworth incorporates energy-efficient fixtures in its Alberta facilities.

THE SITUATION

GreatWest Kenworth Ltd. is a Kenworth dealership serving the province of Alberta and headquartered in Calgary. Earlier this year, one of its senior executives attended the National Automobile Dealers Association (NADA) convention and Expo, and after viewing lighting products and systems, it was determined to reduce its energy costs and carbon footprint by using less wattage in its facility. A decision was made to investigate the possibility of LED lighting as an upgrade for its aging facility.

THE SOLUTION

A complete, comprehensive lighting analysis was performed. The analysis revealed that substantial energy savings and maintenance costs could be delivered by installing new LED lights. Additionally, the lighting quality would be significantly enhanced, especially in the shop.

GreatWest Kenworth then “test drove” six high bay fixtures in the darkest part of its service shop and were part of its service shop and were very impressed with the result. Compared to the original lighting system, only 63% of the wattage was used and maintenance costs have been reduced to zero. The payback for the entire retrofit will be less than five years.



OPERATING IMPACT

Estimated \$18,000 annual savings vs. traditional light sources

- Automatic dimming/daylight harvesting = added savings
- maintenance costs reduced to 0



ENVIRONMENTAL IMPACT

- 63% in energy reduction
- Equivalent of 18 cars removed from the road or 26 acres of forest added