

Case Study - Chevron



Headquartered in Sam Ramon, Chevron is ranked third in the Fortune 500 list of the top corporations and sixteenth on the Fortune Global 500 list of corporations worldwide.

Starting with the inside of the convenient store, Carson Technology installed clear 4' LED T8 tubes at 5000K into existing 2' x 4' troffers and clear 6' LED T8 tubes at 5000K into coolers. The clear, natural-white tubes attract customers and allow employees to keep a keener eye on customers. For the exterior building facade, Chevron was able to reduce 67% energy by switching from metal halide to LED wall packs. The next phase of the project will be switching to LED under canopies. Altogether, gas station owners have been able to save \$1,000 per month by switching to LED lights.

Estimated Project Savings

150W Metal Halide



Annual Electricity Cost = \$78.80

75% ROI

Annual Savings of \$52.60

16 month payback

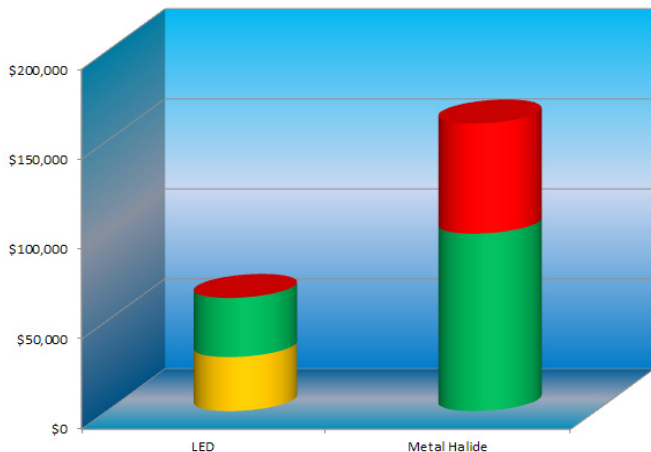
Calculations are based on 4,380 annual hours of operation and \$0.14 average cost per kWh

50W LED

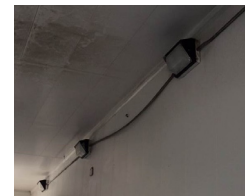
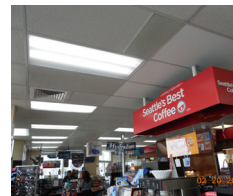


Annual Electricity Cost = \$26.30

Lifetime Costs



- Replacement
- Energy
- Purchase



	Metal Halide	LED
Quantity	250	250
Watts	150	50
Total Watts	37,500	12,500
Energy Savings	-	66.7%