



IGA - ENGADINE

Lighting Upgrade - CASE STUDY

# Laas

LIGHTING AS A SERVICE



A brighter future



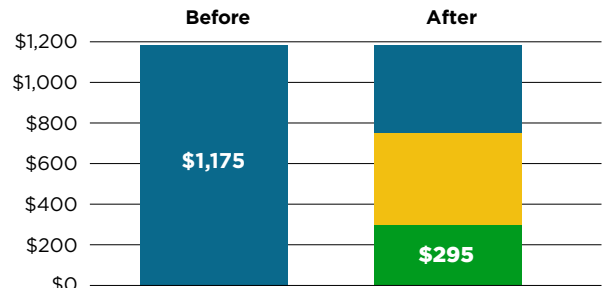
# IGA - Engadine Lighting Upgrade - CASE STUDY

The existing infrastructure at this IGA Supermarket comprises just under 140 fittings with seven different luminaire types, ranging from Double T5 Reflector Fittings, Single T8 and T5 tubes in the fridges and several emergency fittings, all of various ages and conditions. To provide a degree of uniformity, OES installed many LED replacement luminaires. Now in-situ, these luminaires have achieved over 56%

energy savings, and 321% Increased Lux levels. OES supplied several refrigerated fittings to enhance the display of produce, light distribution and shelf space through improved CRI levels, including speciality fittings in meat counters. IGA is also expecting to see a significant uplift in sales, owing to the enhanced retail environment.

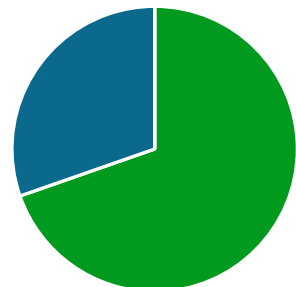
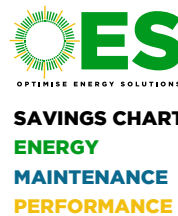


ACTUAL MONTHLY COST	Before	After
	\$1,175	\$479
OES Payment		\$401
<b>Monthly Net Saving</b>	<b>\$0</b>	<b>\$295</b>



ENERGY & MAINTENANCE BENEFITS	Savings
Total <b>Energy Savings</b> Over 10 Years <sup>2</sup>	\$81,784
Total <b>Maintenance Savings</b> Over 10 Years <sup>3</sup>	\$35,630
Total <b>Performance Savings</b> Over 10 Years <sup>4</sup>	\$0
Total <b>Gross Savings</b> Over 10 Years	<b>\$117,414</b>
OES Fee	\$28,872
<b>Total Net Savings Over 10 Years</b>	<b>\$88,542</b>

- Monthly Lighting Payment
- Monthly OES Payment
- Monthly Net Saving



CARBON EMISSIONS REDUCTION	Better By
Annual <b>CO2</b> emission reduction	21.52 Tonnes
Annual <b>SO2</b> emission reduction	0.06 Tonnes
Annual <b>NOx</b> emission reduction	0.03 Tonnes
Acres of forest added	4.19
Cars removed from the road	2.95



1: Calculated by wattage of the total fixtures counted multiplied by operating hours of 16 hours per day, 360 days per year & Client Indexed Energy Price of \$0.29/kWh.  
 2: Calculated with old and new energy costs inflating YoY by 7.00%.  
 3: Calculated with an average maintenance cost of \$31 p.a. for old fixture with costs inflating 3% YoY.