



Lighting Up Down South

Case Study | July 2016



Project Summary

63% Energy Reduction

\$12.3K Annual Energy
Cost Savings

\$3.8K Maintenance Cost
Savings p.a

110MT Annual CO₂ Savings

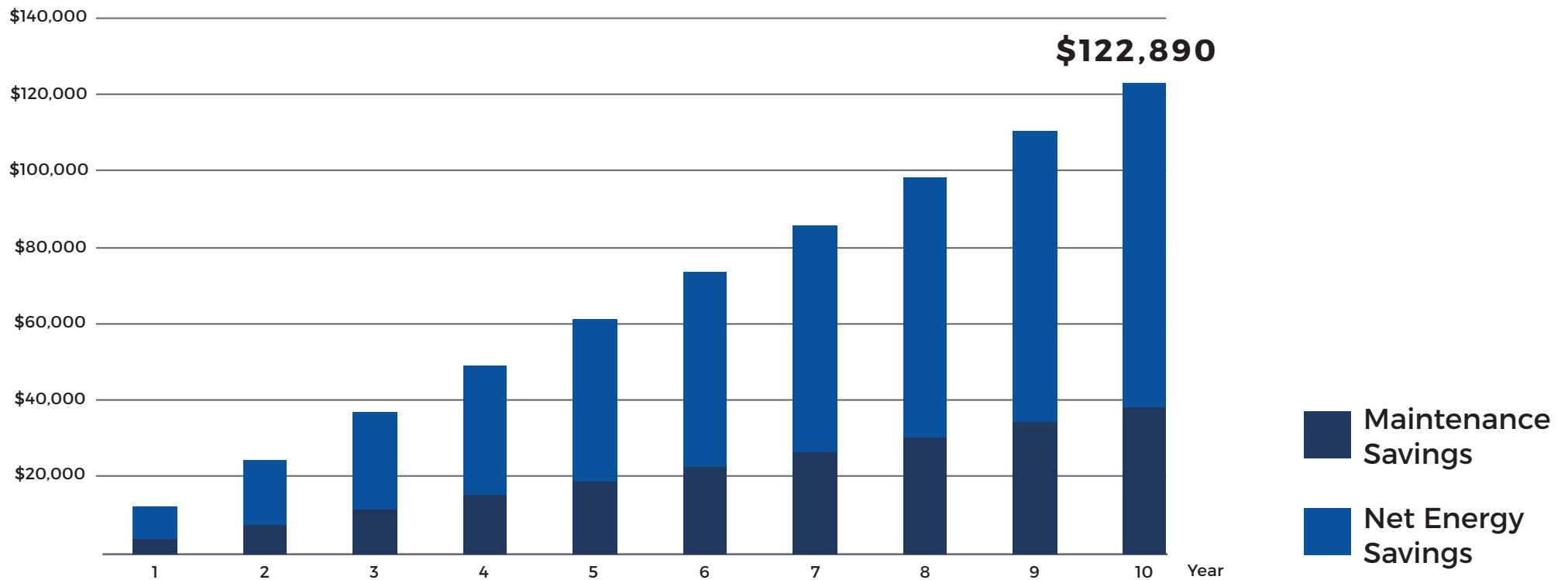
\$1.0K Client Benefit
Per Month

\$0 Client Investment
Required

Project Summary

Locally owned and managed since 1993, River Fresh IGA is a supermarket with a reputation for providing quality, old-fashioned service.

Owner and manager, Debbie O'Connor, wanted to both improve the appearance of the store, while simultaneously reducing power costs and CO₂ emissions.



Summary of Savings



Energy Reduction
Total energy consumed has been reduced by more than 80,000kWh per year, a saving of just over **63%** on previous consumption.



Net Financial Benefit Over 10 Years

Over the estimated life of the solutions deployed and based on current electricity charges, this project will deliver around **\$122,890** in net financial benefit.



CO₂ Savings

The project will deliver a reduction in CO₂ emissions of more than **110 MT per year**. That's equal to taking **23 cars** off the road every year, or planting **8,270 trees**.



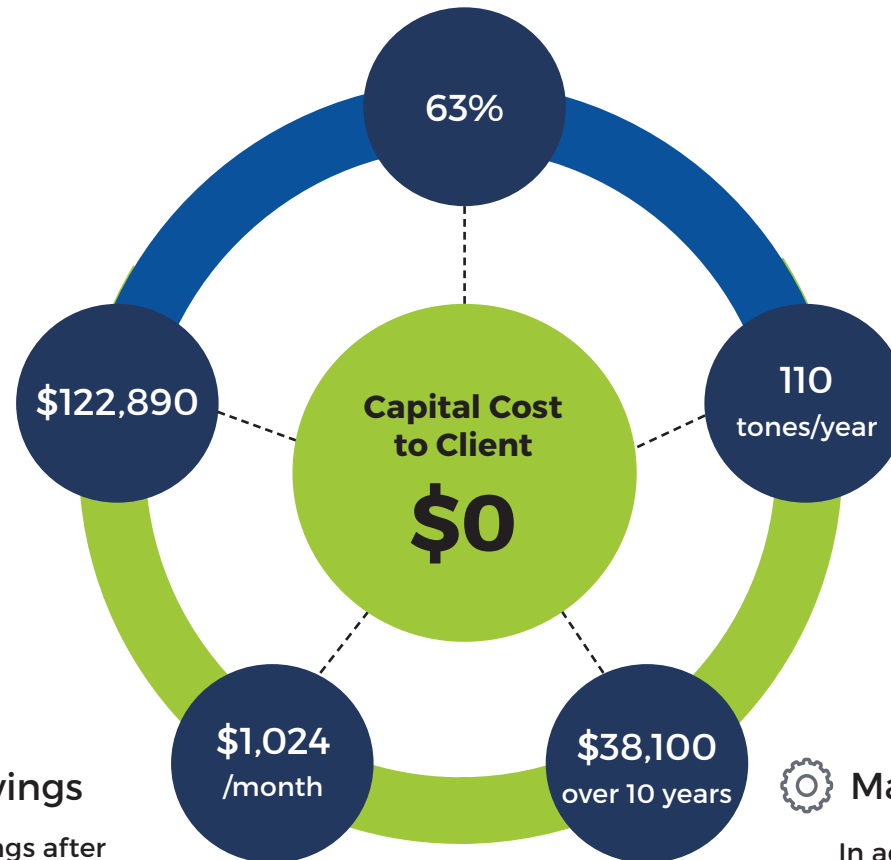
Net Cost Savings

Total net cost savings after deducting Vista Energy's service fee is just over **\$1,000** per month.

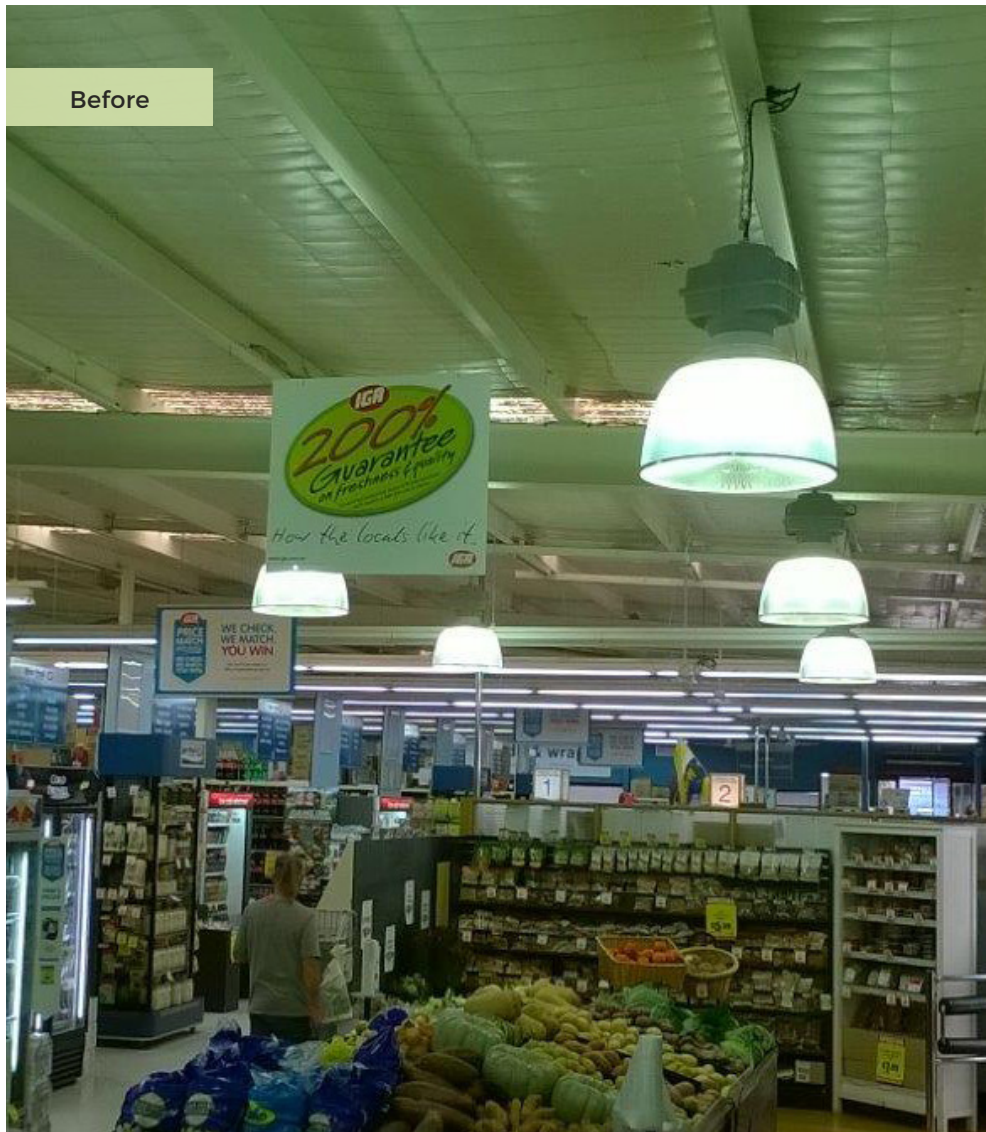


Maintenance Cost Savings

In addition to energy cost savings, the project will also deliver an estimated maintenance cost saving of around **\$3,810** per year.



Before & After





Solutions Deployed



1 Vista Energy LED Tube Lighting

Typically replaces 36W fluorescent tubes (42W with ballast)

- 16W total power consumption
- 6500K colour temperature (wide range available)
- 100V-277V, 50/60Hz Operating Range
- Minimum CRI 80 for vivid and natural colours
- 50,000hrs minimum L70 lifetime



2 Vista Energy LED High Bay Lighting

50W to replace 100W induction lamps

- Japanese 'Nichia' LED chips
- High quality Meanwell drivers
- Minimum CRI 80 for vivid and natural colours
- 6500K colour temperature (wide range available)
- IP65 weather proofing
- 50,000hrs minimum L70 lifetime



3 Vista Energy LED Down Lights

13W downlights to replace 50W halogen lamps

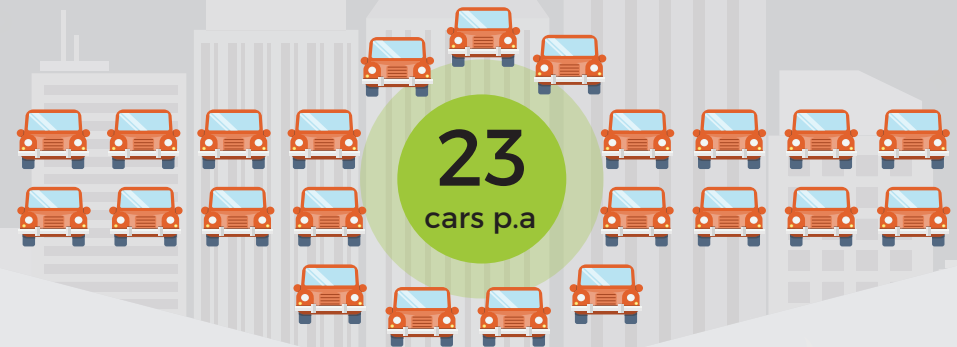
- Japanese 'Nichia' LED chips
- High efficiency SMD LED chips
- Excellent heat dissipation
- Minimum CRI 80 for vivid and natural colours
- 6500K colour temperature (wide range available)
- 50,000hrs minimum L70 lifetime

Environmental Benefits

The change to LED lighting solutions will reduce CO₂ output by around **110 tonnes per annum**.

That's equal to taking **23 cars** off the road every year, or **planting 8,270 trees**...

110
tonnes of CO₂ is equal to...



Planting
8,270
trees every year





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