

The Marshes Golf Club

Electricity savings: \$59,000 over 5 years

Clubhouse building interior. Saved 85% of lighting electricity costs.



Project

- Clubhouse of a select golf club including indoor public spaces, pro shop, dining room, meeting rooms, bar area, change rooms and service areas
- Conversion of incandescent halogen reflector bulbs to LED
- Maintain existing high light quality with no compromises

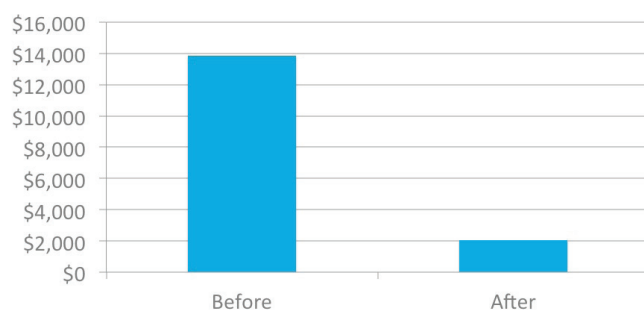
Before

- Electricity usage: 128,000 kWh annually
- Initial equipment: 397 PAR and MR halogen bulbs, 139 A19 incandescent bulbs

After

- Energy usage: 19,000 kWh annually
- Upgraded equipment: 397 PAR and MR LED bulbs, 139 A19 LED bulbs

Annual Energy Expense Before and After



Annual Electricity Savings

- 109,000 kWh (85%)

Simple Payback

- 8 months

5-Year Projected Cash Savings

- \$59,000

Government Rebates Realized

- \$7,700

Summary

- The project met the goal of 85% savings on annual electricity costs
- Lifespan of LED lamps: 40,000 hours,
- First year electricity savings \$12,000

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CASE STUDY 2-1