

# Royal Ottawa Mental Health Centre

Operating cost savings: \$155,000 over 5 years

Reduced lighting operating costs by 87%



Exterior



Interior

- Project**
- Public and patient areas of the hospital
  - Conversion of halogen reflector bulbs to LED
  - Maintain existing glare-free light output

- Before**
- Electricity usage: 206,000 kWh annually
  - Initial equipment: 600+ MR16 halogen bulbs

- After**
- Electricity usage: 21,000 kWh annually
  - Upgraded equipment: 600+ MR16 LED dimmable bulbs

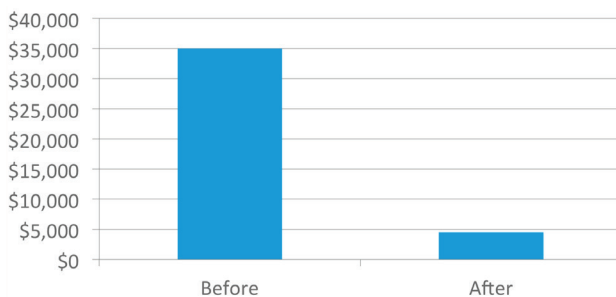
**Annual Operating Savings** • \$31,000

**Simple Payback** • 4 months

**5-Year Projected Cash Savings** • \$153,000

**Government Rebates Realized** • \$7,500

## Annual Operating Expense Before and After



## Summary

- The project exceeded the goal of 80%+ operating cost savings
- Lifespan of LED lamps: 40,000 hours
- First year operating cost savings: \$31,000

### Head Office

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CASE STUDY 3-1