

We are consultants who deliver real energy use reductions, to save businesses money and reduce their carbon footprint.

A JCM Solutions Success Story

Case Study: How we saved a club a six figure sum!



Level 2 Energy Audit

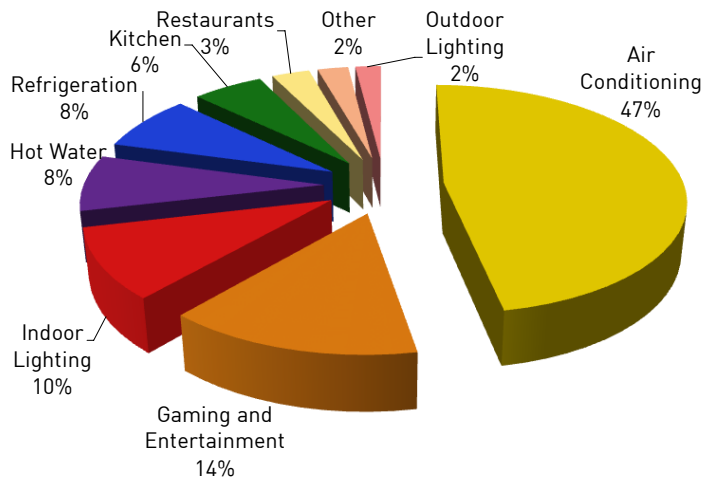
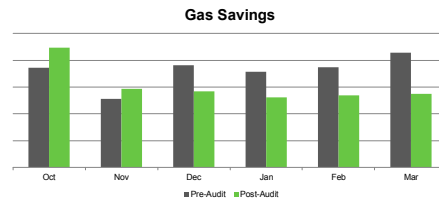
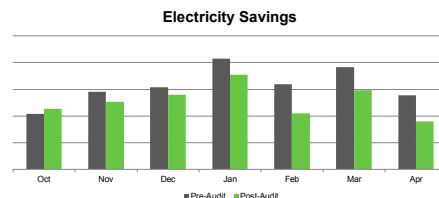
The rising cost of energy was the impetus for the board of this large registered club to seek ways to reduce their carbon footprint and save money.

JCM Solutions was appointed through the NSW OEH Energy Saver program to conduct a Level 2 Energy Audit (AS3598) to find ways the club could reduce their energy intensity.

The club covers has four levels, and 24000m² of floor space and operates almost 24 hours per day. JCM staff worked with the club staff on site at all hours to clearly understand club operations and develop an accurate model of the club's energy usage.

The model revealed that the largest areas for savings opportunities were in the club's air conditioning system, the gaming equipment and the indoor lighting. JCM recommended a variety of projects - some with no capital cost - including improving BMS schedules and set-points and upgrading of indoor lighting equipment and controls

Since the completion of the audit in October 2012, the results to June 2013 showed the club had reduced its electricity consumption by some 288,000 kWh and its gas consumption by 1,260MJ.



What did our client think?

"We found JCM to be extremely well qualified and thoroughly professional in their conduct of the audit. They worked flexible hours to accommodate the operations of the Club and also to gauge our out of hours energy usage. We would be pleased to recommend JCM to any organisation who are serious in reducing their energy costs."
Tony Mills, Finance Manager.

In Brief

This large registered club had had many changes to building layout and air conditioning systems over the years.

JCM identified opportunities for savings in the following areas:

- Improved scheduling of air conditioning equipment
- Improved parameters for chiller and boiler operation
- Replacement of halogen light fittings with LEDs
- Light and motion sensors where appropriate

Annual Savings:

- 19% cost
- 1,290 MWh electricity
- 3,173 GJ gas
- 24% energy use
- 1,584 t CO₂e



FOR MORE INFORMATION ON HOW WE CAN SAVE YOU ENERGY, CONTACT US

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