



Optimising Energy Performance at a Large Club in NSW

CASE STUDY

DRIVING ENERGY EFFICIENCY IN COMPLEX VENUE ENVIRONMENTS

Introduction

This Large Club is a high-use venue in NSW facing rising energy costs and increasing pressure to improve sustainability performance. The site operates across multiple areas with complex HVAC requirements and continuous occupancy.

To address this, Conservia implemented a targeted optimisation strategy designed to deliver rapid energy savings and improve operational performance.

Challenge

Rising energy costs and increasing sustainability requirements prompted the Club to improve energy performance across the site. Key objectives included reducing electricity and gas consumption, lowering energy costs, and improving member thermal comfort while minimising temperature-related complaints. The site's two separate BMS platforms added complexity, requiring a coordinated approach.

Client Outcome

A targeted optimisation approach delivering measurable reductions in energy consumption while maintaining comfort and operational performance across a live venue, positioning the club for long-term cost savings.

Year 1 Achieved:

- ✓ -10% Electricity Usage
- ✓ \$50,000 Annual Cost Savings

Year 2 Savings Identified:

- ✓ -20% Electricity Usage
- ✓ -10% Gas Usage
- ✓ \$100,000 Projected Annual Cost Savings



Core Services Provided

Conservia delivered a performance-driven optimisation and advisory program focused on reducing energy consumption and improving operational performance. Key services included:

- Energy performance advisory and optimisation program
- Performance monitoring and measurement & verification of outcomes
- Live-site delivery with no operational disruption
- Collaboration with incumbent mechanical and BMS contractors



Key Solutions

The project implemented targeted operational improvements to optimise building performance and energy efficiency, including:

- HVAC optimisation across Alerton and Siemens BMS platforms
- Time scheduling and control logic improvements
- Major Alerton BMS tuning and logic upgrades
- Planned integration of chiller control into the BMS
- Siemens BMS tuning and scheduling optimisation

Conclusion

The Club is already achieving measurable energy savings through targeted HVAC and BMS optimisation and remains on track to meet its long-term energy goals. It is also exploring the Conservia Compliance Framework for Mandatory Climate Reporting (AASB S2) to meet the requirements of this new Accounting Standard. To achieve similar energy saving and compliance outcomes, contact Conservia to discuss opportunities within your facility.

Monthly Energy reduction (year on year)



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