

## Project Summary

PROJECT NAME:	Royal Newcastle Hospital - Energy Efficiency
LOCATION:	Newcastle
DEVELOPER/CLIENT:	NSW Department of Health
CONTACTS:	Bill Chew
PROJECT SIZE:	Building (gross building area): 50,000 m <sup>2</sup> Building Function: Health services
PROJECT ENERGY BUDGET:	\$862,950 (56,160 GJ/year) - pre deregulation
PROJECT DESCRIPTION:	Identify operational, equipment and energy purchasing practices that would reduce recurrent costs.
ESTIMATED ENERGY EFFICIENCY SAVINGS:	\$257,950 (13,050 GJ/year).
TOTAL RETURN ON IMPLEMENTATION COSTS:	Investment of \$760,000 with a simple payback period of 36 months
NOTABLE SAVINGS INITIATIVES:	<ul style="list-style-type: none"><li>■ new chiller, better suited for low load situations such as mid season and overnight,</li><li>■ building management system replacement, providing digital control, energy management strategies, flexible time scheduling and remote site monitoring from a central area control room,</li><li>■ power factor correction equipment,</li><li>■ water saving devices,</li><li>■ lighting controls and new technology lamps.</li></ul>