

What we're doing

ROTORUA AQUATIC CENTRE

ENERGY SAVINGS



The Rotorua Aquatic Centre is a community facility owned and operated by Rotorua District Council. All heating of the pool water, hot water and complex is provided through geothermal energy. This provides a considerable financial benefit in that there are little or no heating costs incurred. There are however energy costs for pumping, ventilation (running of the air handlers) and lighting.



At the end of 2005 an energy audit was undertaken by Power Solutions Ltd which identified energy savings initiatives.

These initiatives included:

- Reducing Pump Speed at night and controlling level
- Shutting down domestic hot water pump at night
- Shutting down Amenities / Change extract fans and ensuring Pool Hall fans go to slow speed at night
- Control Pool Hall lights on daylight sensor and Main Entry Canopy Lights on daylight control
- 1st Floor, Cardio Gym and Staff Room lights on occupancy / light sensor
- Main Plant room and Outdoor Plant room Metering Room light

98% of all the energy savings initiatives have now been implemented.

Last year (08/09) resulted in an Energy reduction of 138,718 kW (equivalent to 1.5 month total energy out of every 12 months).

Total Cost Savings Equivalent = \$56,000 (with annual ongoing savings of \$45,000)