THE CHALLENGE

Marina Square’s new retail, commercial and residential development in Wentworth Point required air-cooled water chillers to service the HVAC system of a 12,000 sqm retail centre including common areas and over 45 retail tenancies.

Standard equipment installed in similar projects is comparatively inefficient and ongoing running costs expensive, whilst high efficiency equipment, at least initially, costs more.

Government funding exists to incentivise the installation and use of high efficiency equipment to help counter costs concerns. This requires choosing the right equipment, brand and model that is eligible for a funding reward before any saving can be realised.

THE SOLUTION

Marina Square installed two Daikin high efficiency air-cooled chillers and engaged Energy Conservation to deal directly with suppliers and contractors to ensure funding eligibility compliance.

By capturing and collecting evidence and comparing efficiencies, Energy Conservation calculate savings through the Installation of High Efficiency Appliances for Business (IHEAB) Method on Marina Square’s behalf and create Energy Savings Certificates (ESCs), which are sold as financial rewards.

THE OUTCOME

Marina Square received $57,198 in funding for installing high efficiency equipment. In addition, ongoing annual savings of $44,000 in electricity costs are realised through the reduction of the equivalent of 295 megawatt hours of usage, which in turn decreases Marina Square’s carbon footprint by 271 tonnes of CO2 emissions.