



**UTILACOR**  
Energy Management Systems

## New Supply Connection

### **Leading Australian Private School**

Our client is one of the world's leading Private Co-ed boarding and day schools. We were recently asked to review the new power supply connection for a brand new \$16M health and fitness facility that will combine everyday medical facilities alongside proactive approaches to good health. The new centre will provide new facilities including a pool, gymnasium and dance studio for current students and local residents.

By carrying out our own thorough load analysis and utilizing our energy management experience of other sites with similar usage characteristics, we were able to generate an estimated load profile that took into account all factors such as diversification, operating hours, equipment duty cycles etc. This formed a reliable guide to properly establish a realistic demand that would be likely to be recorded in the future.

Our review process highlighted two possible issues that would have resulted in high ongoing Network Costs: - 1. "Chargeable demand" and, 2. "Commissioning period". Because of our knowledge of the industry and the processes involved with installation of new supply connections, Utilacor was able to negotiate with the Distributor to substantially reduce the billable demand figure and the minimum network tariff applicable for our Client. We also negotiated special arrangements that reduced the likelihood of striking a high demand during testing procedures for the new installation.

#### **Result:**

The Client has avoided unnecessary high ongoing costs by reducing the chargeable demand figure along with preventing higher ongoing costs due to an (unusual) demand being struck during the commissioning period.

#### **Estimated Benefits:**

Reduced Ongoing Network Costs – **\$33,580 per annum**

