



UTILACOR
Energy Management Systems

Supply Rationalisation

Aggregation of Supplies – Regional Irrigator

Our client constructed their Orchard in two stages, and as a result had River Pumps that were dedicated to each stage. The pumps were located side by side on the River Bank and had been for over three years.

Utilacor profiled the usage levels at both the sites independently and then profiled what the profiles would look like if the sites were merged as one electricity supply point.

The results indicated that the overall (or co-incident) demand was some 250kW less than the peak demands at both sites simply added together. The result of merging the two sites together would therefore be that the kWh consumption would remain the same, however the billed Maximum demand would drop by 250kW.

At that location 250kW commanded demand charges of \$25,000 per annum.

Utilacor managed the aggregation of the two sites, which required some minor physical alterations. However the site aggregation did require in-depth and difficult negotiations with a range of market participants including the local Network Provider, the Metering and Data Contractors and the client's Retailer.

Result:

The aggregation reduced annual billing by: **\$25,000 per annum.**

The most painful part is that this aggregation could have been done when the second stage of the Orchard was constructed more than 3 years earlier, in-excess of \$70,000 was lost and irrecoverable as a result of the two pumps stations being electrically separated. Had the construction project received some incisive input in relation to electricity operational costs, this would not have occurred.