

COOLNOMIX® saves 23% on Air-Conditioning at Breakers Country Club



Breakers Country Club installed COOLNOMIX® AC-01 in in the iconic Club on 5 packaged and split air-conditioning units on the Central Coast. The sites air-conditioning achieved savings of over 44%.

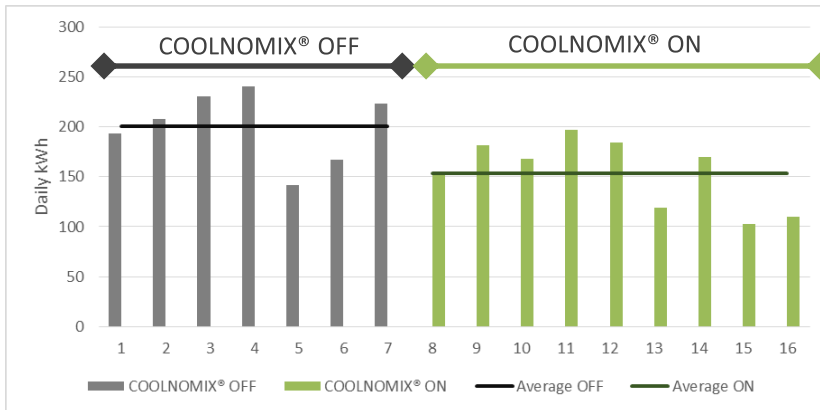


Site	Breakers Country Club 64 Dover Rd Wamberal NSW 2260
Type	RSL Club
System Details	5 x Temperzone 47kWr packaged AC system Reverse cycle
Control System	ET45 electronic temperature controller
Operation	Switched off overnight Internal set point temperature 21°C
Case Study Details	Monitoring period: 26 th February 2015 to 16 th March 2015.
Results	Average daily kWh without COOLNOMIX®: 200.3kWh Average daily kWh with COOLNOMIX®: 153.9kWh Savings: 23%



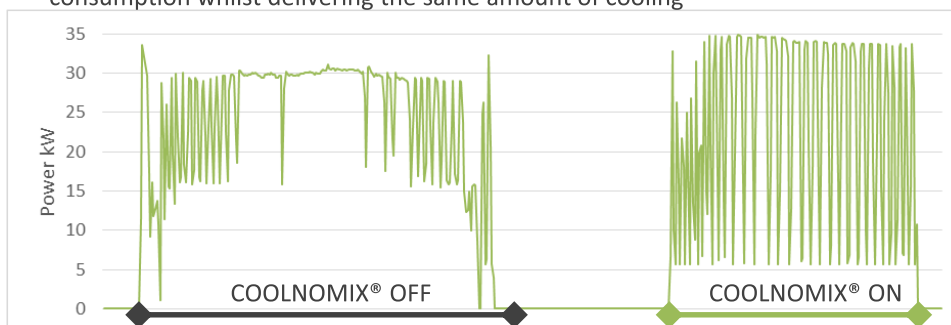
Breakers Country Club COOLNOMIX® Case Study Results

COOLNOMIX® demonstrated savings of 23% over the time periods compared. The periods were selected for their comparable ambient temperature profile. The chart below shows the performance of COOLNOMIX® reducing power consumption consistently across the test periods.



Electrical Data Logging

The case study included the monitoring of detailed power consumption profiles of the compressor. The below demonstrates the variance experienced pre and post switching COOLNOMIX® on over 2 consecutive days. COOLNOMIX® runs the compressor for less time, hence reducing the overall run time and power consumption whilst delivering the same amount of cooling



Temperature Data Logging

The graph below shows the detailed temperature logging during the case study time period demonstrating consistency in internal temperature patterns. The spikes occurred due to night time switch off and scheduled defrost periods.