

Case Study //

Coleman Court, Weston ACT

Award-winning chiller optimisation solution, PlantPRO uses the latest “smart” technology available to provide optimised control, trending, diagnostic, and report for the Central Air Conditioning Plant. The solution offers significantly greater flexibility as well as the tools to operate and maintain the plant in the best possible optimised condition; and delivers measurable energy savings.

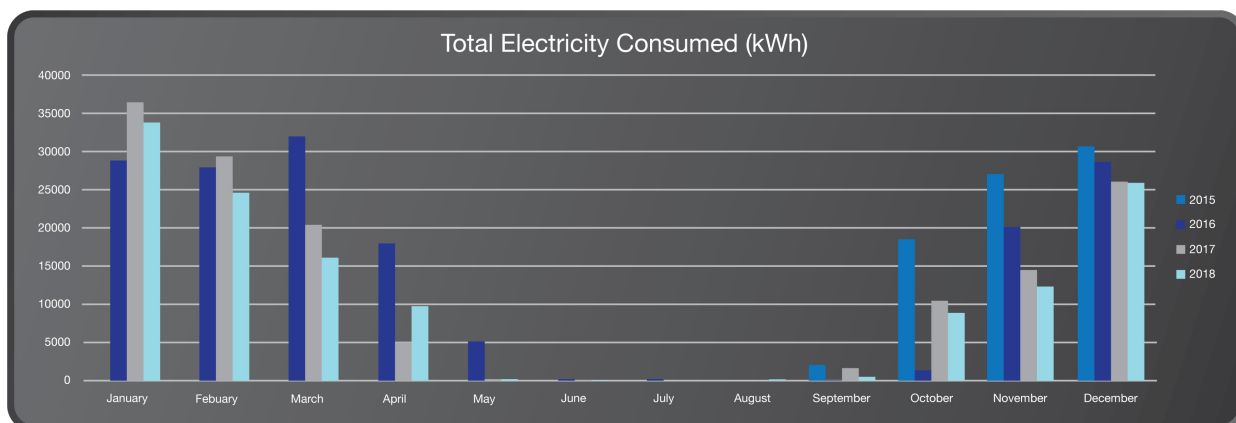
Details //

Located in the Canberra suburb of Weston, Coleman Court Shopping Centre comprises of two supermarkets, department stores Target and Best & Less as well as 39 speciality stores. The centre was completed in 1978 with a gross lettable area of 10,682sqm and an annual customer visit of 3.8 million.

To further increase the centre’s energy efficiencies, PlantPRO was installed. Deployed in 2015, PlantPRO was established to both optimise the operation of the central plant and to provide advanced measurements and reporting capabilities to the building. In addition to this, optimised chiller sequencing was employed to ensure the best fit chiller was always sequenced for the given building load. Additional upgrades to improve efficiencies also included a building management system upgrade at the time of the PlantPRO installation.

The Solution //

Using 2016 as the baseline for energy consumption, PlantPRO has helped to achieve a 12.3% reduction in 2017 compared to 2016. Additionally, reports show a further decrease of 8.9% in 2018 when compared to 2017 and a 22.3% reduction as compared to 2016.



(Baseline and actual electricity consumed at Coleman Court)