

Case Study - Hot water, aircon and Manual Swimming pool filtering and cleaning

Home

3 bedroom - 2 bathrooms.

Occupants

2 adults 1 pre teen child

Usage

High energy users with power bills over \$5000.00 per annum

System installed

1 Power Mover Controller

1 Hot water Controller

1 Aircon controller

Cost

\$2439.00 Inc GST

Savings

\$1150.00. 23%

ROI

2.12

Summary

This family lives in a very energy-intensive house with brick walls and a concrete floor that was constructed in the early 1970s. The family does not put in a lot of effort to conserve energy, therefore an automated system is ideal because it can be "set and forgotten." This home has made significant savings of \$1150.00 per annum.

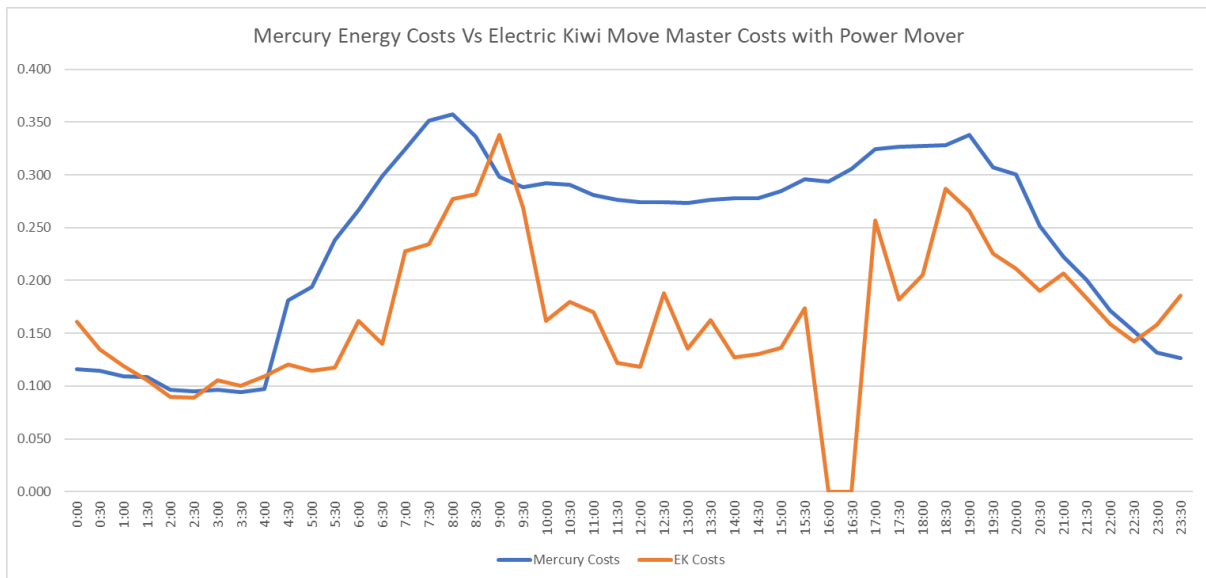
Results

As you can see from the data below, the Power Mover has made a significant shift in load into cheaper times, resulting in the change in their consumption profile. This is due to the hot water and air conditioning controls. The swimming pool could have been controlled by the Power Mover controller, but because it already had a manual time clock built in, it was decided to use it to save money.

This customer only had to use the hot water boost feature once in the first month when they had multiple children over and needed more showers than usual in the early afternoon after a muddy visit to a farm.

With these results, they are considering installing freezer control as they have three. This should bring a further \$300.00 saving per year.

Savings of dollars per half hour average



KWh per half hour before and after average

