

8<sup>th</sup> March 2012

## Monitoring “Time of Use” Electricity from 2009 to 2012

At the Owners Open Forum in July last year I presented some information explaining that we in the Barrington Strata had new “Time of Use” electricity meters installed by Energy Australia, free of charge. I also mentioned that I was considering installing a timer in my own unit on the hot water power supply, to allow for the heating to be switched ON only during the “Off Peak” period (10.00 pm until 7.00 am).

The timer was installed prior to the 28<sup>th</sup> October 2011. Subsequently the quarterly electricity account to 28<sup>th</sup> January 2012 we all received last month was the first full period with the timer operating.

Naturally our electricity usage varies from one quarter to another through the various seasons, however you may find the following data interesting.

The average usage from each quarter from 2009 (Time of Use installed) to October 2011	Peak-	Shoulder	-Off Peak
	23.8%	56.3%	19.9%
The average usage from November 2011 to January 2012 (period when timer was fitted)	17.1%	48.3%	34.6%

The data must be considered with the following criteria:-

Normally, during summer we use the air conditioner occasionally but this year almost not at all.

We use our stove and hotplates very often in preparing meals and baking.

We try to avoid using the dishwasher and washing machine during the Peak Periods. Both machines heat their own hot water.

Even during days when we had visitors staying we did not run out of hot water. Our tank is 125ltrs.

During the period we have not been away (on holidays).

So how does “Time of Use” billing work.



wilco MCB3-132 32 A  
 wilco MCB3-110 10 A  
 wilco MCB3-120 20 A  
 SFP 0931195  
 wilco RCD 4000 230 V 30 mA 3 KA  
 RHPM 20A AON  
 RHPM 20A AON  
 CLIPAL MCB4-120 C20 40A

STOVE 1.  
 LIGHT 2.  
 HOT WATER 3.  
 PROTECTS POWER CIR. ONLY  
 RESIDUAL CURRENT DEVICE  
 POWER 4. RCD +  
 POWER 5. GARAGE RCD  
 AIR CON UNPAID NO. 6.

HW TIMER

