




raise
RAPID
BOIL 

CASE STUDY:
TY CATRIN CARE HOME

Report No: ETTYCATR
Approved by: B McMullen (CEng. MChemE)

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KEY INFORMATION

INSTALL DATE: 14th Nov 2013
TEST PERIOD: 1 MONTH

REPORTED SAVING:

15.6%



The effectiveness of **RAPID BOIL™** was trialled at Ty Catrin by Pastoral Healthcare

INTRODUCTION:

The performance of **RAPID BOIL™** was trialled at Ty Catrin Care Home by Pastoral Healthcare. Ty Catrin provides low secure services offering forensic psychiatric expertise. The development comprises five separate units, each with their own garden and contains pre-discharge flats, community based staff housing and supported self contained flats.

18 Litres of **RAPID BOIL™** were installed into the development on the 14th November 2013. The reported usage in December 2013 was compared with readings for the previous year (December 2012) and compensated using degree days from the nearby Cardiff Airport (baseload 15.5°C). The same time period each year is used as variances including occupancy and outside temperature is usually similar each year.

RESULTS:

The recorded usage for December 2013 was compared with December 2012 using degree day data:

Month	kWh	Degree Day (15.5°C)	kWh/DD
December 2013	4,904	240	20.4
December 2012	6,759	279	24.2

Savings with Degree Day Data:

Uncompensated - 27.4%

Compensated - 15.6%

Total Savings (Compensated) - 15.6%