

EndoThermTM

CASE STUDY: Rockcliffe Hall Hotel



EndoTherm has been trialled at Rockcliffe Hall Hotel in Hurworth on Tees, Darlington.

To present a business case to the owners of Rockcliffe Hall Hotel a small trial was run in a 12 bedroom accommodation block which is situated (and heated) separately to the main building.

The site is heated using a large domestic boiler and distributed using radiators. Occupancy of this block remains consistent throughout the year.

The management team at Rockcliffe Hall provided the monthly meter readings for April which was compared with March and Feb previously in 2017 and against all 3 months in 2016.

Degree Days were also used using information gathered from Teeside Airport at the baseload of 15.5°C.

Month	Usage	HDD	Usage/HDD	Saving vs April %
Feb-16	973	340	2.861764706	8.199348512
Mar-16	976	309	3.158576052	16.8258544
Apr-16	841	281	2.992882562	12.22112497
Feb-17	915	282	3.244680851	19.03306474
Mar-17	851	262	3.248091603	19.1180864
Apr-17	620	236	2.627118644	

Compensated Saving 15.01%

During the first month the trial saved £35 (3p/kWh) and 215kg CO₂ (0.184kg CO₂ per kWh).



TOTAL SAVINGS

FINANCIAL SAVING

£35.10

CO₂ SAVING

215 kg

KEY INFORMATION

Installed: APR 2017
Trial period: 1 Month

Boiler spec
Large Domestic

Volume EndoTherm installed
2 litres