

EndoTherm™

CASE STUDY: CHARNOS HALL

Report No: ETCHARN
Approved by: B McMullen (CEng, MChemE)

KEY INFORMATION


INSTALL DATE: 7th Nov 2013

TEST PERIOD: 2 MONTHS

REPORTED SAVINGS:

14.9%



Derbyshire Community Health Services 



Derbyshire Community Health Services trialled EndoTherm™ at Charnos Hall Stay and Play Clinic

INTRODUCTION

The performance of Endo Enterprises (UK) Ltd's EndoTherm™ was trialled at Charnos Hall Stay and Play Clinic, part of Ilkeston Community Hospital on behalf of the Derbyshire Community Health Services.

Charnos Hall is a single storey building with a 40kW Combi-Boiler system and 17 radiators (predominately 4ft x 2ft single panel) giving a system volume of 320L. 3 Litres of EndoTherm™ was installed on the 7th November 2013 by Endo Enterprises Head of Operations Barry McMullen.

Comparisons of historical gas usage in 2012 was compared with the EndoTherm™ dosed system of 2013 using degree day data from Nottingham Weather Centre to compensate for variances in temperatures between the two years.

RESULTS

The recorded usage for November / December 2013 was compared with October 2013 using degree day data:

Month	kWh	Degree Day (15.5°C)	kWh/DD
October 2013	4,041	118	34.2
November 2013	7,786	279	27.9
December 2013	8,870	292	30.4

Savings with Degree Day Data:

November 2013 - 18.5%

December 2013 - 11.3%

Total Savings (Average 2 months) - 14.9%