

KEY INFORMATION

INSTALL DATE: 7th Feb 2014

TEST PERIOD: 5 Months

REPORTED SAVINGS:

10.5%



Pendle Leisure trialled EndoTherm™ at West Craven Sports Centre in Barnoldswick

INTRODUCTION

The performance of Endo Enterprises (UK) Ltd's EndoTherm™ was trialled at West Craven Sports Centre in Barnoldswick on behalf of Pendle Leisure Trust and Pendle Borough Council.

West Craven Sports Centre is a multi-use sports complex with an 25m indoor heated swimming pool. The swimming pool is powered by 2 * 347kW boilers and the rest of the centre is powered by 6 * 105kW boilers (assume 2 on standby). A total of 72 Litres of EndoTherm™ was installed on the 7th February 2014.

A new BMS system was installed in December so a request was made to compare the BMS figures for January with the period after installation (March - July). As a high proportion of gas usage goes on heating the swimming pool (regardless of outdoor temperature) a baseload was taken. The baseload, taken from the historical usage figures was 48% of the historical usage.

RESULTS

The recorded baseload usage for January was compared with March - July and compensated with degree days:

Month	Baseload Usage (kWh)	Degree Day (18.5°C)	kWh/DD
January 2014	383,256	415	923.5
March - July 2014	666,350	913	729.84

Savings with Degree Day Data:

Baseload Saving - 20.97%

Baseload amounts for 48% of usage

Total Savings - 10.5%