

KEY INFORMATION

INSTALL DATE: 01/12/2014

TRIAL PERIOD: 5 MONTHS

REPORTED SAVINGS:

20.56%
\$4819
26,362kg (CO₂)



RapidBoil was installed into The Civic Centre by Middlesbrough Council

The performance of RapidBoil was trialed at the Civic Centre by Middlesbrough Council. The Centre is home to many of the councils departments and is heated by 2 x Allen Ydnis Boilers (2M BTU & 1.6M BTU). Heating is done exclusively using air handling units.

With extensive pipework and an annual consumption of around 900,000kWhr's, 7.93 US Gallons (30 litres) of RapidBoil was calculated and installed at this site.

RapidBoil was installed into the Civic Centre on the 1st December 2014.

RESULTS

Period	Usage (kWh)	Degree Days (DD)	Usage/Degree Days (kWh/DD)
2013/14 (5 MONTHS)	543,695	1274.5	426.59
2014/15 (5 MONTHS)	501,627	1480.3	338.9

Compensated Saving: 20.56%

NOTE: Predicted usage based on Usage/DD was used to estimate how much gas would have been used if RapidBoil was not installed. A monetary saving of \$4,819 has been calculated based on a 3.71¢/kWh unit price which means RapidBoil has paid itself back within 5 months. This is also equivalent to a 26.362kg of CO₂ based on 0.203kg CO₂ per kWh.