



OH4 ENERGY SAVING
CASE STUDY:
BELVEDERE LODGE,
ABLECARE
2025.12.16 V3



The client is a care home provider based in Bristol. They are renowned for providing a warm, cosy, secure environment for residents to thrive in. The Ablecare team kindly allowed us to visit in April of 2024 to fit the house as a proof of concept in a care home environment.



Total Savings: 27%

The Challenge:

The client's current annual spend on heating and hot water was £9,858, presenting a significant operational expense. They were eager to find ways to decrease energy consumption whilst maintaining a high standard of care and comfort for their residents. In line with their sustainability goals and cost reduction targets, they were keen to explore OH4 as a potential solution.

The Solution:

After a short site visit, it was agreed that OH4 should be installed at the premises, with the guarantee that the cost of installation would be paid from their first year of savings. It was agreed that Ablecare would pay 50% of the savings achieved to OH4 for a period of 12 months.

Carbon Saving:

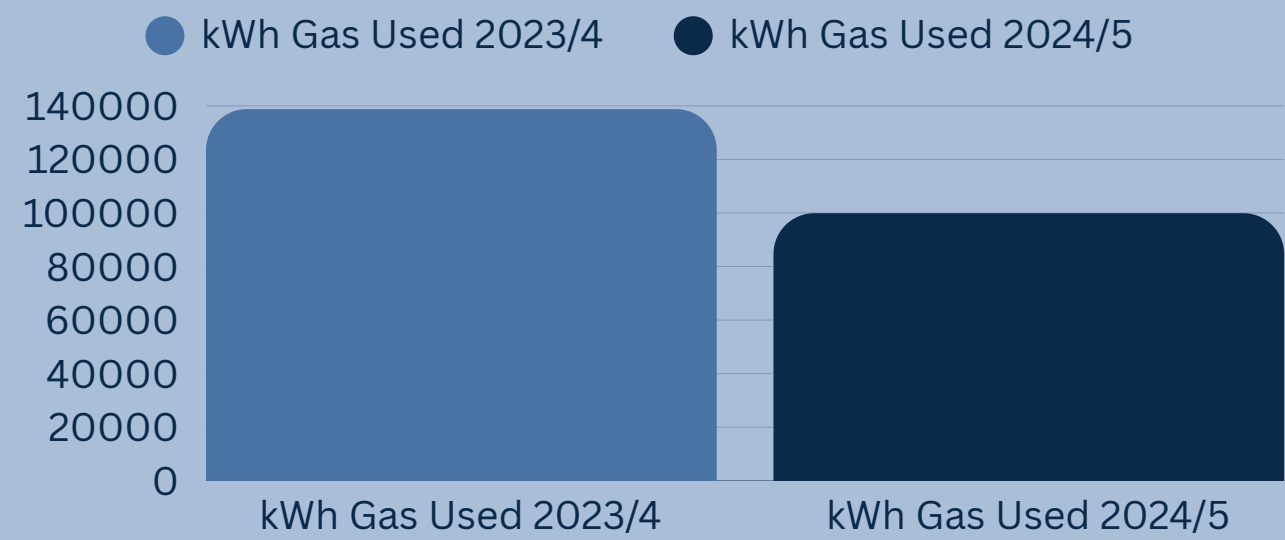
In addition to monetary saving, Belvedere Lodge has reduced its CO2 emissions from their heating system. The home has seen a reduction of **38,855 kWh**, which is equivalent to **7.1 tonnes** of carbon.

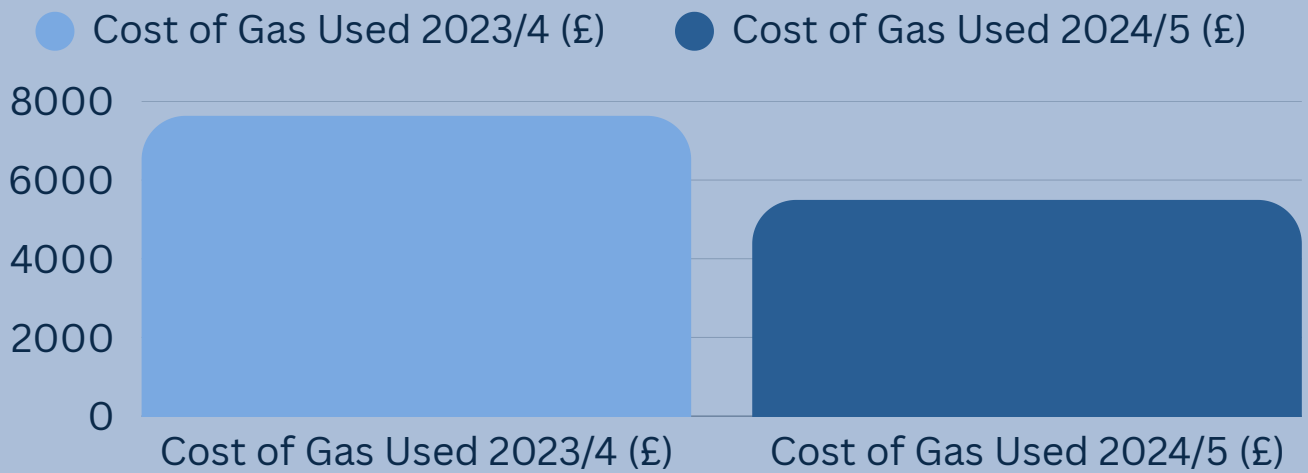
Financial Benefits:

Based on the data collected between April 2024 and April 2025, the client has seen a total reduction in kWh per degree day of 16%. During our analysis, we also adjusted our comparison to exclude gas used in the site's cooking facilities. The total saving achieved (excluding kitchen usage) was **27%**, or **£2,623.23**.

Factoring in inflation on fuel cost of 2.5% per annum, the projected saving over 10 years is **£29,389.05**, which represents a **2755% ROI** over the 10 years.

Date Range	28/04/23 - 27/04/24	28/04/24 - 27/04/25
KWh Gas Used	138768	101076
Degree Days	2488	2526
Adjusted KWh Gas Used	138768	99913
Cost of Gas Used	£7632.18	£5495.21





From Sam - Managing Director, Ablecare Homes:

"Ablecare were approached in early 2024 by OH4 to create a case study at Belvedere Lodge, one of our 6 care homes in the Bristol area. After a year of having OH4 fitted we can clearly see the results in the reduction in our fuel usage for heating and hot water. Ablecare have instructed OH4 to fit their Energy Saving System to the remaining 5 care homes in the group.

We have the evidence that OH4 provides a better than 20% saving at Belvedere Lodge, and with the external auditing and ESG reporting provided as part of the installation we can evidence the savings in our annual accounts and environmental and social statements. Ablecare are happy to recommend OH4 to any business looking to reduce their carbon footprint and save money."