

# SMITH & CLAYS BUTCHERS



## Mini-District Heating System from A GOOD NEIGHBOUR

The owners of the newly completed refurbishment project at No6 Market Hill were not only keen to provide the ground floor butchery with the highest environmental credentials – but wanted to take a real out of the box look at what the business could do eco wise on a wider basis to include the whole building.

The result is a heat recovery installation for the entire ground floor retail and food preparation areas and a mini-district heating system for the student accommodation apartments on the buildings first floor.

Simply using the waste heat energy from the butchery refrigeration equipment to generate clean energy hot water will save over 9 tonnes of carbon emissions per year, from this single building in Buckingham.

From a purely financial angle, the fuel cost savings will pay for the heat recovery installation in less than two years, and over the following seven years generate a healthy five figure sum for the bottom line of the business.

The installation will also ensure that the environmental credentials will continue to offer freedom from further Carbon Tax Legislation and continue to advertise the business as a supporter of sustainability to the growing number of customers who wish to shop with and support environmentally active local businesses.



The system uses a 500 litre tank with 15kW of internal heat exchangers. This means the system is capable of providing 300 litres of hot water every hour.

The annual energy saving will be **39,000 kWh per year** or put into sustainability terms **9.75 tonnes of carbon** a year

The green credentials are undeniable but the big upside of being green is the **£4,000 per year** that the business will save on their energy bill.

