



## Case Study

### Stickney Church of England Primary School

Boston

#### Boiler room valve and flange insulation

##### BEFORE

Currently no valves or flanges within the boiler room at Stickney Primary School have any insulation thereby leading to heat dissipation and unnecessary fuel costs.

Of the schools overall consumption of oil and electricity, heating accounted for 93% with annual costs of £7,487.

It was decided that the best option for the school was to insulate all valves, flanges and exposed pipe work within the boiler room at a cost of £1,968.

##### AFTER

Sustain were awarded the contract to fit thermal insulation jackets to all existing valves and flanges. These jackets are fastened by Velcro and their thermal insulation properties exceed current building regulations. The projected savings on the heating consumption after fitting is 10.3%

The work was able to be carried out without any disruption to the school or the heating.

##### SAVINGS

The projected savings are detailed below:

<b>Project Costs:</b>	£1,968
<b>Annual Financial Savings:</b>	£771
<b>Annual Carbon Savings:</b>	7.3 tonnes of CO <sub>2</sub>
<b>Payback:</b>	2.55

Stickney Primary School successfully applied to Lincolnshire County Council's Salix Energy Efficiency Loan Scheme for the full project costs.

The loan is interest free, there are no management fees, and the repayments are made at 75% of the projected energy savings until the loan is repaid in full

##### CONTACTS

Stickney Primary School's Project Manager – James Siddle

For further information on LCC's Salix Energy Efficiency Loan Scheme contact Steve Golightly on:

Tel: 01522 554804

E-mail: [steve.golightly@lincolnshire.gov.uk](mailto:steve.golightly@lincolnshire.gov.uk)