

We're a

Low Carbon Workspace

Unit 26, Fallings Park Industrial Estate
received a Low Carbon Workspaces
grant to install LED lighting and energy-
saving heating, reducing their carbon
footprint by

1.4 tonnes CO₂e / year*

**...that's the weight
of a small rhino!**



Rowan Wallis

Low Carbon Workspaces
Programme Manager

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* Savings methodology on the
reverse of this certificate

www.lowcarbonworkspaces.co.uk

PRINT ME DOUBLE-SIDED AND PUT ME ON THE WALL!

How were savings calculated?

The reduction in energy usage achieved through the LED installation was calculated by multiplying the difference in wattage between the existing fluorescent lighting and the replacement LED lighting by hours of operation, on an area by area basis.

Gas savings were calculated by comparing actual energy consumption for a 4-month period either side of project installation and multiplying the difference by the carbon conversion figure for UK electricity supply published by the Government.

Annual lighting energy usage:

Pre-installation = 4,141 kWh

Post installation = 2,153 kWh

Percent reduction = 48%

Annual saving = 1,988 kWh

Heating energy usage:

Pre-installation Jan 2015 – Apr 2015 = 12,134 kWh

Post installation Jan 2019 – Apr 2019 = 3,042 kWh

Annual Usage = 19,182 kWh

After Reduction (75.0%) = 4,796 kWh

Carbon saving:

Carbon conversion UK grid electricity = 0.28307 kg CO₂e / kWh

Carbon conversion UK grid gas = 0.18396 kg CO₂e / kWh

Annual saving = 1.445 tonnes CO₂e

A white rhino typically weighs between 1.8 and 2.5 tonnes!

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