

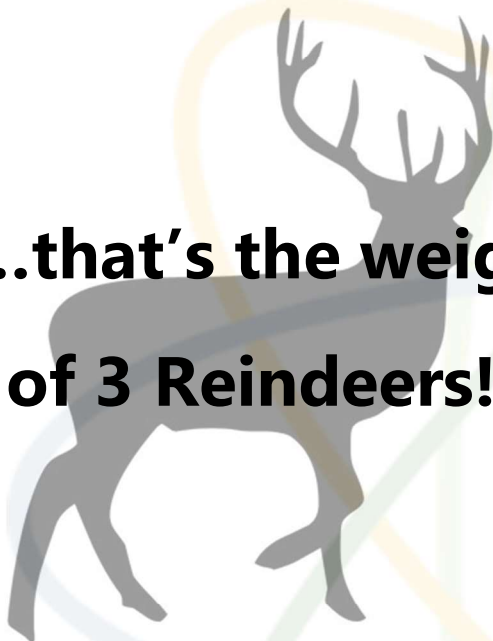
Low Carbon Workspace

St Ippolyts Parish Hall

received a Low Carbon Workspaces
grant to install LED lighting, reducing
their carbon footprint by

0.41 tonnes CO₂e / year

**...that's the weight
of 3 Reindeers!***



Daniel Cope

Low Carbon Workspaces
Programme Manager

December 2019

* Savings methodology on the
reverse of this certificate

www.lowcarbonworkspaces.co.uk

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

How were lighting savings calculated?

The reduction in energy usage achieved through the project was calculated by multiplying the difference in wattage between the existing lighting and the replacement LED lighting by hours of operation, on an area by area basis. The energy saving was converted to a greenhouse gas emissions saving using the carbon conversion figure for UK grid supplied electricity, as published by the Government at the date of project installation (September, 2019).

Annual lighting electricity usage:

Pre-installation = 2,434 kWh

Post-installation = 827 kWh

Percent reduction in electricity usage = 66%

Energy saving:

Annual electricity saving = 1,607 kWh

Carbon saving:

Carbon conversion UK grid electricity (2019-20) = 0.25560 kg CO₂e / kWh

Annual saving = 0.410 tonnes CO₂e

*An adult Reindeer typically weighs 0.166 tonnes!

The carbon conversion figure used to calculate carbon outputs for this project have been based upon the date of installation. For reference, our programme also requires us to apply 2017/18 BEIS CO₂e carbon conversion rates; $(0.35156 \times 1,607) = 0.565$ tonnes CO₂e. Whilst the methodology used should provide a realistic indication of the CO₂e reduction achieved through the stated project, the actual CO₂e reduction may differ due to variables such staff behaviour and equipment operating efficiency. Neither Ngage Solutions Ltd nor Buckinghamshire Business First can be held responsible for any actions taken or loss incurred based on the use of the information provided. This certificate is intended for use by the named organisation. It should not be distributed or copied, in part or in full, without prior written consent from Ngage Solutions Ltd