

Energy-saving Benchmarking

This is to certify that the church of
ST JAMES PICCADILLY

has taken measurements of its energy consumption during the year of 2015.

The church has also measured its floor area, and hours of occupancy in the church and churchyard, and has estimated the numbers of persons attending services and other events and uses.

These figures have been entered in the Energy-saving Benchmarking model, to assess:

- the **carbon footprint** of the church (in 'CO₂ equivalent' or 'CO₂e')
 - the efficiency of its **energy and fuel use**
 - the church's **overall efficiency** after taking account of the level of its **activities and uses**
 - a **target for energy and carbon emissions**, towards the medium term target date of 2020.
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The church's weather-corrected carbon footprint for the year has been assessed as:

69.1 tonnes CO₂e.

This is comprised of

34.2 tonnes from fossil fuel (gas) and **34.9 tonnes** from electricity.

The church's individual benchmark carbon footprint would be **59.8 tonnes**.
Actual CO₂ emissions are **9.3 tonnes above** this neutral standard for the church.

Which represents energy efficiencies of:

fossil fuel: **Band F**; electricity: **Band G**; overall energy use: **Band G**
and total carbon emissions also within **Band G**.

The church's **solar PV system** has generated **3500kWh** of renewable energy during the year.

After considering its level of activity, the church's overall efficiency has been assessed as:

BAND A++

The church is deemed to have achieved an estimated **36%** efficiency savings so far.
From 2015-2020, suggested target savings are **10%**.

When compounded with deemed savings so far, this will contribute a total economy of **42%**
from the Church of England's base year of 2005, up to 2020.

Signed: *Brian Cuthbertson*

Brian Cuthbertson
Head of Environment and Sustainability

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