

## Carbon Footprint for St Oswald's, methley

**Total Annual Emissions: 8.16 tCO<sub>2</sub>**

Between 1st January 2024 and 31st December 2024:

- A total of 16,163 people visited your church giving an average carbon footprint of **505 gCO<sub>2</sub>** per person.
- The buildings were used for a total of 868 hours for an average footprint of **9.40 kgCO<sub>2</sub>** per hour.

### Notes:

clergy, PCC members, choir, churchyard group, hall groups, cleaners, caretaker, birthday parties.

#### Travel: 1.33 tCO<sub>2</sub>

#### Congregation: 1.33 tCO<sub>2</sub>

| Item               | Quantity         | Factor                         | Emissions             |
|--------------------|------------------|--------------------------------|-----------------------|
| Average diesel car | 1,200 miles/year | 0.340 kgCO <sub>2</sub> e/mile | 408 kgCO <sub>2</sub> |
| Average petrol car | 2,424 miles/year | 0.339 kgCO <sub>2</sub> e/mile | 821 kgCO <sub>2</sub> |
| Average hybrid car | 384 miles/year   | 0.256 kgCO <sub>2</sub> e/mile | 98 kgCO <sub>2</sub>  |
| Bicycle            | 96 miles/year    | 0 kgCO <sub>2</sub> e/mile     | 0 kgCO <sub>2</sub>   |
| On foot            | 5,460 miles/year | 0 kgCO <sub>2</sub> e/mile     | 0 kgCO <sub>2</sub>   |

#### Food: 259 kgCO<sub>2</sub>

| Item                        | Quantity   | Factor                          | Emissions             |
|-----------------------------|------------|---------------------------------|-----------------------|
| Cups of tea                 | 1,260/year | 0.009 kgCO <sub>2</sub> e/cup   | 11 kgCO <sub>2</sub>  |
| Cups of coffee              | 1,320/year | 0.055 kgCO <sub>2</sub> e/cup   | 72 kgCO <sub>2</sub>  |
| Glasses of squash           | 576/year   | 0.004 kgCO <sub>2</sub> e/glass | 2 kgCO <sub>2</sub>   |
| Packets of biscuits         | 120/year   | 1.129 kgCO <sub>2</sub> e/item  | 136 kgCO <sub>2</sub> |
| Pastries, or slices of cake | 192/year   | 0.200 kgCO <sub>2</sub> e/item  | 38 kgCO <sub>2</sub>  |

#### Expenditure: 6.58 tCO<sub>2</sub>

| Item                         | Quantity     | Factor                      | Emissions             |
|------------------------------|--------------|-----------------------------|-----------------------|
| Buildings and grounds        | £19,000/year | 0.193 kgCO <sub>2</sub> e/£ | 3.67 tCO <sub>2</sub> |
| IT equipment and electronics | £1,140/year  | 0.404 kgCO <sub>2</sub> e/£ | 460 kgCO <sub>2</sub> |

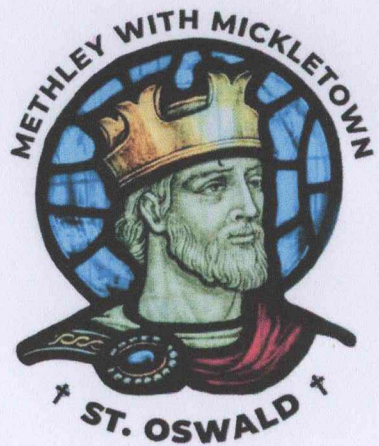
|                                 |              |                             |                       |
|---------------------------------|--------------|-----------------------------|-----------------------|
| Telephone and internet services | £820/year    | 0.173 kgCO <sub>2</sub> e/£ | 142 kgCO <sub>2</sub> |
| Postage                         | £20/year     | 0.264 kgCO <sub>2</sub> e/£ | 5 kgCO <sub>2</sub>   |
| Paper products                  | £100/year    | 0.756 kgCO <sub>2</sub> e/£ | 76 kgCO <sub>2</sub>  |
| Cleaning products               | £240/year    | 0.837 kgCO <sub>2</sub> e/£ | 201 kgCO <sub>2</sub> |
| Insurance                       | £2,800/year  | 0.088 kgCO <sub>2</sub> e/£ | 247 kgCO <sub>2</sub> |
| Rentals and leasing             | £325/year    | 0.177 kgCO <sub>2</sub> e/£ | 58 kgCO <sub>2</sub>  |
| Other professional services     | £10,500/year | 0.163 kgCO <sub>2</sub> e/£ | 1.71 tCO <sub>2</sub> |
| Courses and training            | £50/year     | 0.188 kgCO <sub>2</sub> e/£ | 9 kgCO <sub>2</sub>   |

Share this footprint

<https://360carbon.org/en-gb/footprint?id=qyn5xgot7n8>

**Market-based:** emissions are calculated based on the tariff you are buying (e.g. 100% renewables = zero emissions).

**Location-based:** emissions are calculated using the average grid emissions factor for your location.



# ZERO CARBON ACTION PLAN

| Action                                                | Objective                                                                                    | Likely C02 reduction       | cost                               | responsible                 | Date                     | Comment                                                                                                                 |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------|------------------------------------|-----------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Measure and Monitor</b>                            |                                                                                              |                            |                                    |                             |                          |                                                                                                                         |
| Energy data                                           | Current emissions 2024<br>Electricity 14%<br>and gas 86%                                     | Will review<br>end of year |                                    | Treasurer                   | May 2025                 | Compare with 2024<br>emissions end December<br>2025                                                                     |
| Add carbon<br>emissions<br>report to<br>annual report | Accountability<br>on carbon<br>emissions                                                     | Influences<br>change       |                                    | Secretary                   | March for APCM<br>Report |                                                                                                                         |
|                                                       |                                                                                              |                            |                                    |                             |                          |                                                                                                                         |
| <b>Plan and prepare</b>                               |                                                                                              |                            |                                    |                             |                          |                                                                                                                         |
| Include climate<br>focus during<br>Creationtide       | Raise<br>awareness with<br>congregation<br>and wider<br>community<br>through social<br>media | Influences<br>change       | Clergy and<br>service lead<br>time | Clergy and service<br>leads | September/October        | Eco Focus inc Global<br>Warming and impact in 2023<br>and 2024. Focus on work to<br>reduce carbon emissions in<br>2025. |
| Parish<br>Environment<br>Office<br>appointed          | Lead role                                                                                    | Equips for<br>change       | Volunteer<br>time                  | PCC                         | Appointed 2023           |                                                                                                                         |
| Completed<br>Zero Carbon<br>Checklist                 | Self-<br>assessment                                                                          | Influences<br>change       | Volunteer<br>time                  | Churchwarden                | Completed 2024           |                                                                                                                         |

|                                                   |                                                         |                                               |                                    |                         |                |                                                                      |
|---------------------------------------------------|---------------------------------------------------------|-----------------------------------------------|------------------------------------|-------------------------|----------------|----------------------------------------------------------------------|
|                                                   |                                                         |                                               |                                    |                         |                |                                                                      |
| <b>Essential Energy Actions</b>                   |                                                         |                                               |                                    |                         |                |                                                                      |
| Replace old lighting with LED                     | Switch to low energy use lighting                       |                                               | Volunteer time – replacement costs | Churchwardens           | Ongoing        | Lights are gradually being replaced.                                 |
| Maintain/check roof/guttering                     | To prevent damp entering building and warm air escaping | Improve heating / reduce time heating is used | Volunteer time                     | Churchwardens           | Annual process |                                                                      |
| Fix broken windows in nave                        | To reduce heat loss                                     | minimal                                       | Volunteer time                     | Churchwardens           |                |                                                                      |
| Explore options for draught proofing doors        | To reduce draught and reduce heat loss.                 |                                               | Volunteer time                     | John Wilson / Volunteer | Ongoing        | A number of options considered within limitation of grade 1 listing. |
| We have already switched to renewable electricity | To reduce emissions. Ethical purchasing                 |                                               |                                    |                         |                |                                                                      |
| We have already introduced under pew-heating      | To reduce use of gas heating.                           | Review end of year                            | How much did it cost?              | Churchwardens           | 2023           | Noticeable reduction in use of gas heating.                          |
| Explore options for controlling heating via wifi  | More economical use of heating.                         | Review end of year                            | Volunteer time                     | Churchwardens           | Summer 2025    |                                                                      |

|                                                     |                                                 |                                |                 |                           |                      |                                                                                                                                                                                                            |
|-----------------------------------------------------|-------------------------------------------------|--------------------------------|-----------------|---------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                     | Reduce gas use with under-pew                   |                                |                 |                           |                      |                                                                                                                                                                                                            |
| Develop policy/process for effective use of heating | More economical use of heating                  |                                |                 | Churchwardens             | 2025                 | We have monitored impact of under pew only and combination of short period of under pew/gas boilers. This has led us to reduce the time the boilers are in use.                                            |
| Install solar panels in parish hall                 | Renewable electricity                           | We are monitoring this in 2025 | £9,600          | Treasurer                 | Review December 2025 | A grant was received from the Net Zero Carbon Quick Wins Fund and solar installed to replace electricity. Phase two plan is to replace gas boiler with electric. Panels have capacity to drive to heating. |
| <b>Carbon offsetting</b>                            |                                                 |                                |                 |                           |                      |                                                                                                                                                                                                            |
| Investigate Carbon Offset gas tariff                | Offset the heating emissions                    | Offset all gas emissions       | £? per ton CO2  | Treasurer                 | Summer 2025          | Agenda for standing committee and pcc                                                                                                                                                                      |
| Budget for carbon offsetting                        | Pay the full price of energy used by the church | Offset all remaining emissions | £?? per ton Co2 | Treasurer                 | Summer 2025          | Agenda for standing committee and PCC                                                                                                                                                                      |
|                                                     |                                                 |                                |                 |                           |                      |                                                                                                                                                                                                            |
| <b>Stepping Out and Up</b>                          |                                                 |                                |                 |                           |                      |                                                                                                                                                                                                            |
| Eco Church Pathway                                  | Celebrate out Eco success                       | Encourage change               | Volunteer Time  | Parish Environment Office | 2022                 | We have already achieved Bronze and Silver and currently working towards the Gold Eco Church Award.                                                                                                        |
|                                                     |                                                 |                                |                 |                           |                      |                                                                                                                                                                                                            |
|                                                     |                                                 |                                |                 |                           |                      |                                                                                                                                                                                                            |
|                                                     |                                                 |                                |                 |                           |                      |                                                                                                                                                                                                            |