

marches  
energy agency



# ENERGY ADVICE FOR GP SURGERIES

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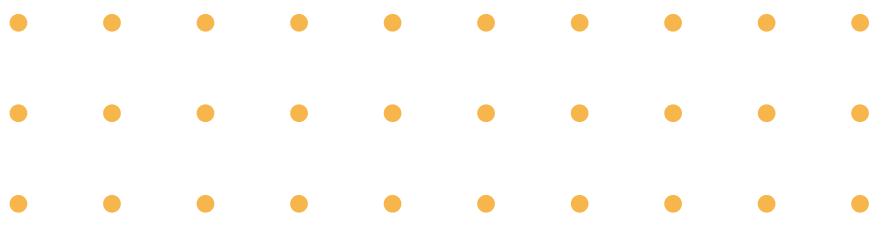
*Harry Gardner & Benjamin Webster*



**Benjamin Webster - Technical Services Manager** - Level 5 Retrofit Coordinator, Level 3 Energy Efficiency for Older and Traditional Buildings, and RIBA Part 1 Architectural Designer.

**Harry Gardner - Energy Advice Executive** - Level 4 Non-domestic Energy Assessor. Over two and a half years working in energy efficiency and carries out building energy audits.

**WHO ARE  
WE?**





# WHO ARE WE?

Marches Energy Agency is an independent charity based in the Midlands, delivering free and impartial energy advice for over 27 years across Shropshire, Telford & Wrekin, Herefordshire and Derbyshire.

Over 40% of the householders we support report suffering from long-term health conditions such as asthma, COPD or other respiratory illnesses; this statistic only emphasises the correlation between fuel poverty and health conditions. We want to live in a world where people can be comfortable and healthy in their homes.

We have supported businesses and community organisations for 15 years to help them improve their energy efficiency and decarbonise their buildings and operations.



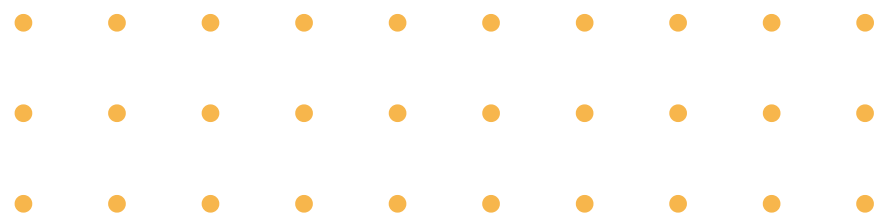
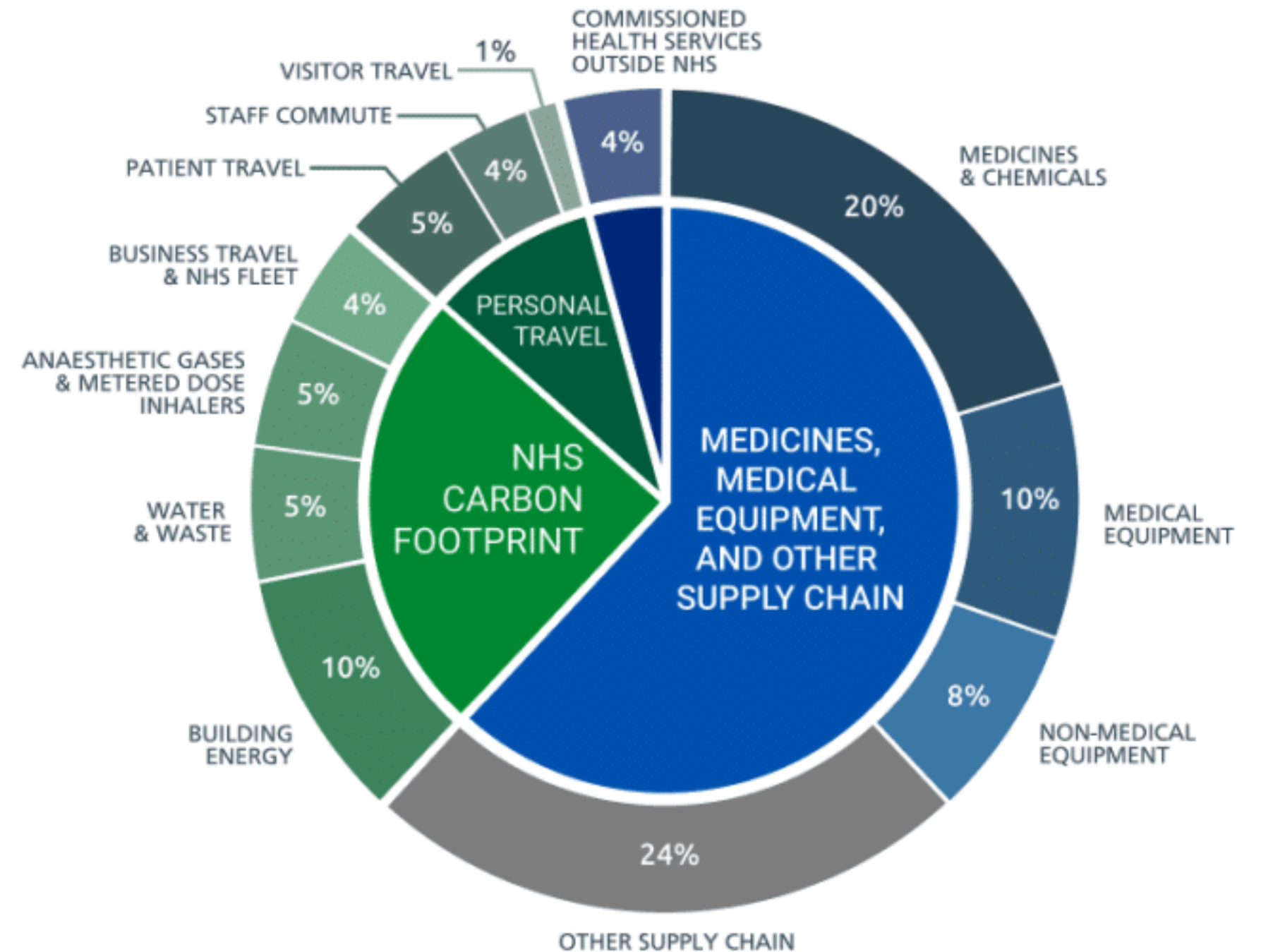


## WHY IS IT IMPORTANT?

Primary care makes up approximately 20% of all of the NHS' emissions, who in turn are responsible for 4-5% of the UK's total carbon emissions. CQC is now beginning to recognise the importance of this within 'well led' practice guidance.

There are direct links between climate action and positive health outcomes - check out:

[www.greenerpractice.co.uk](http://www.greenerpractice.co.uk)





# Quick Wins for Energy Efficiency





## METER READINGS

Submit regular meter readings to your energy supplier, or they will opt for estimated readings; which may cost you more money than what you have used. Preferably, request that your supplier installs a smart meter which will do this automatically.

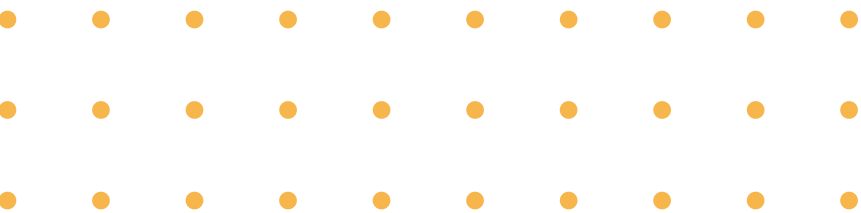
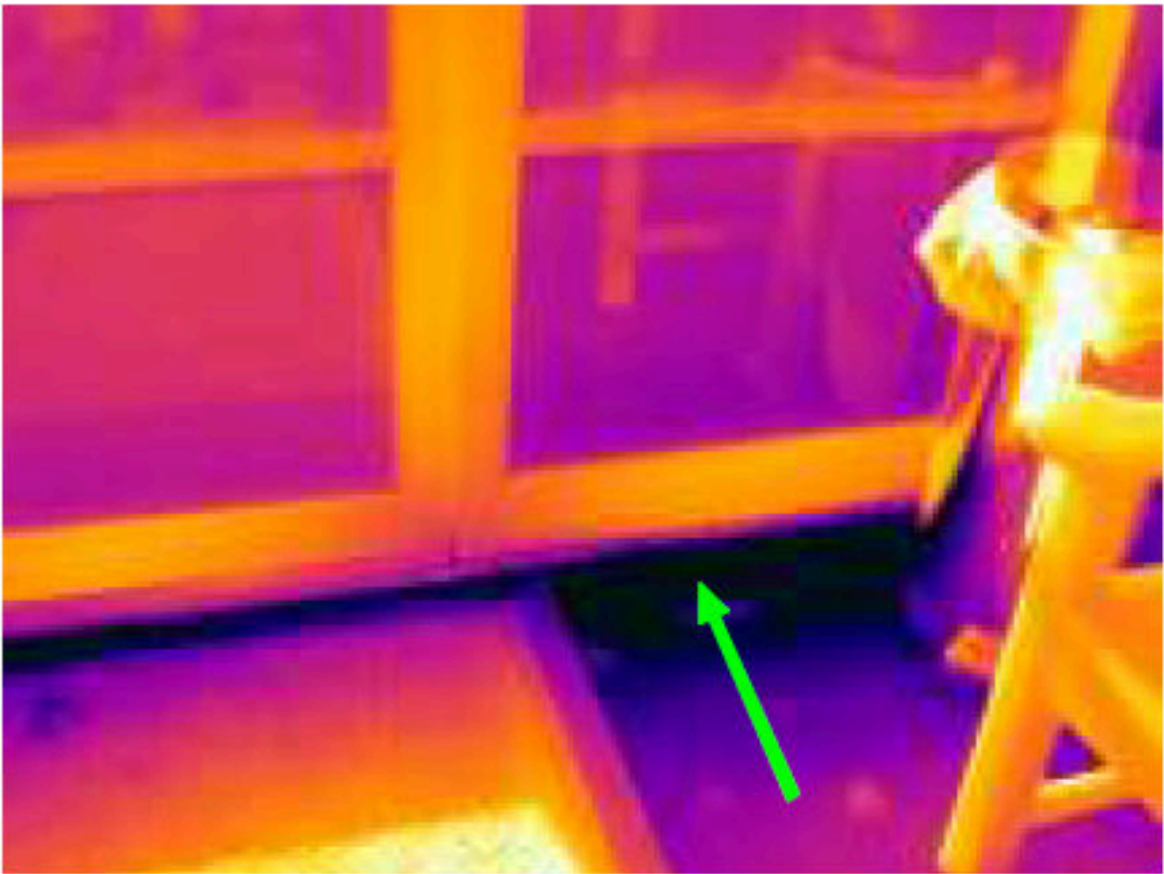






# DRAUGHTPROOFING

Small gaps in the building fabric (service penetrations, doors, windows, suspended timber floors etc.) can cause notable heat loss. A thermal imaging survey can help to identify where the building is losing heat- as displayed in the image below.



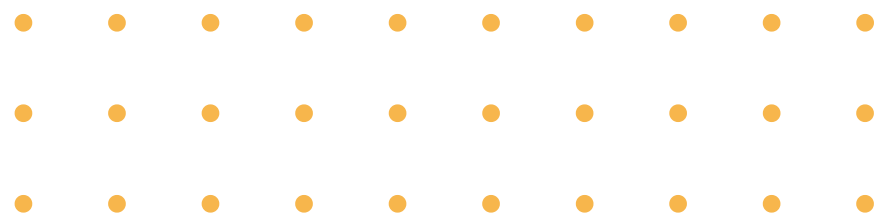




# AIR TIGHTNESS AND INSULATION

Quick wins include:

- draught excluders for external doors
- repairing seals on doors and windows.
- chimney balloons (if you have an open flue)
- caulking around window and door frames.
- loft insulation

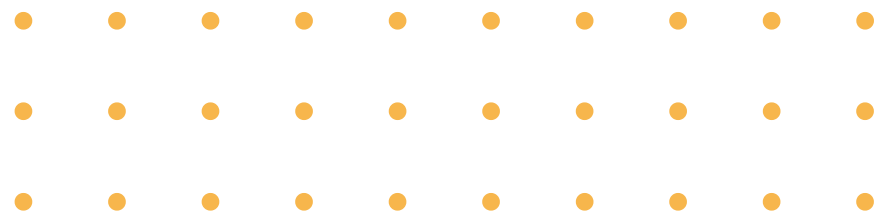






## LIGHTING

Lighting can be a significant proportion of a building's electricity usage, if filament/older bulbs are used. For example, when compared with a compact fluorescent bulb, LEDs are cheaper, last up to 4x as long and produce better quality of light.





# CONTROLS

Energy is often being used by appliances even when switched off, or there are times when you just forget to switch everything off after a busy day!

There are measures available to combat this issue, such as occupancy sensors for lighting or kill switches for your sockets, which make it easier to turn everything off at the end of the day and save money overnight.

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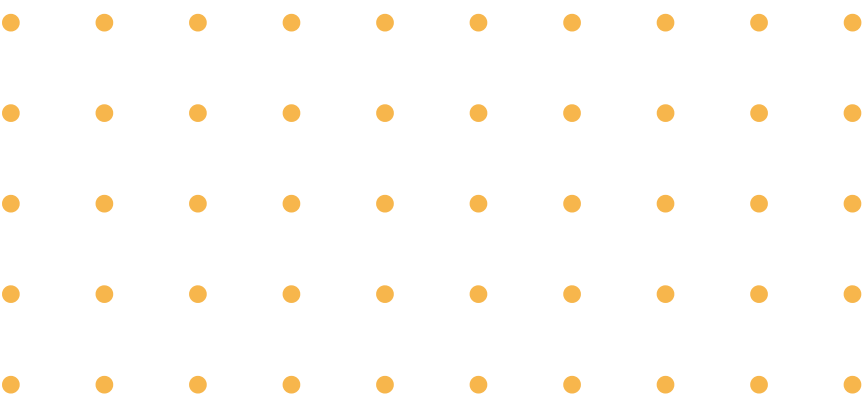






# HEATING CONTROLS

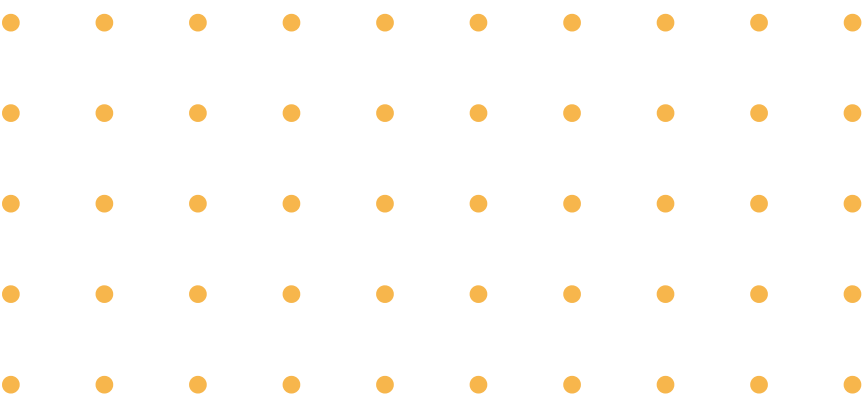
In our experience of visiting buildings to improve energy efficiency, we find a large amount of wasted energy used on systems which people forget or cannot to switch off easily. Upgrading heating controls can mean you use energy when you need it, and not when you don't.





# ENERGY EFFICIENT APPLIANCES

We appreciate that GP practices have a need for appliances such as fridges, printers, PCs etc. As such, it is vital that these appliances are energy efficient as to not use more energy than is needed. When purchasing new appliances, there is usually a rating displayed on the packaging.



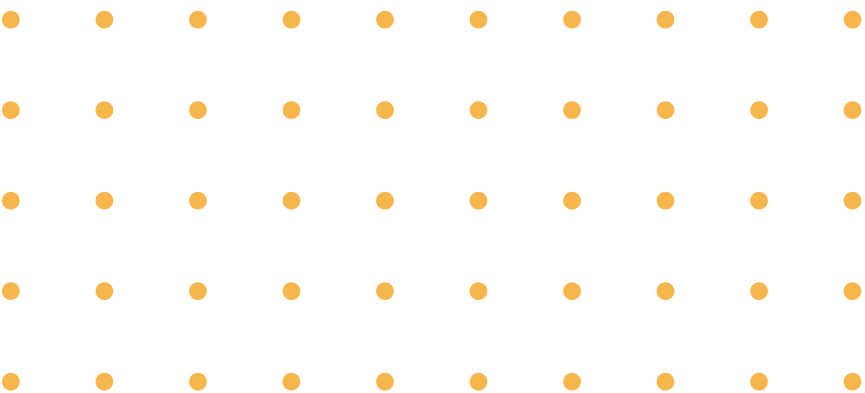


# WHAT SUPPORT IS OUT THERE FOR YOU?



# BOILER UPGRADE SCHEME

As part of the UK government’s goals to reach Net Zero, grants of up to £7,500 are available towards the cost of an air source or ground source heat pump if transitioning from a fossil fuel heating system. Please note that at current this grant only covers air-to-water systems.

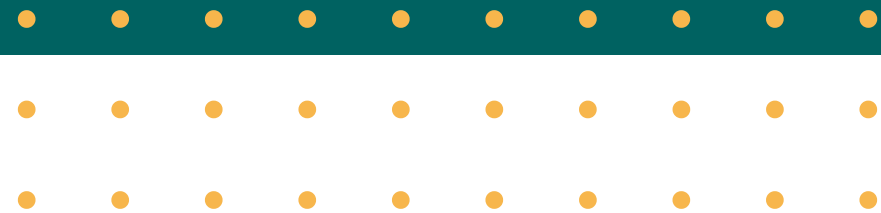




# GP Building Energy Audits - now available

*Marches Energy Agency are now offering energy audits. But what's in it for you?*

- Gain bespoke recommendations on how to **reduce your energy usage**, and save on your bills to **reduce your practices overheads**.
- Advice on **decarbonising your practice**.
- Contribute towards compliance with **CQC's environmental sustainability guidance**.
- Advice on how to mitigate **overheating issues** in the summer months.
- Improve **thermal comfort for your staff and patients** during the extremes of weather.
- Contribute to the **Green Impact for Health Toolkit**.



# PRICING TABLE - BUILDING ENERGY AUDIT

## SMALL

GP practice under 250m2

**£495+VAT**

## MEDIUM

GP practice over 250m2

**£625+VAT**

## LARGE

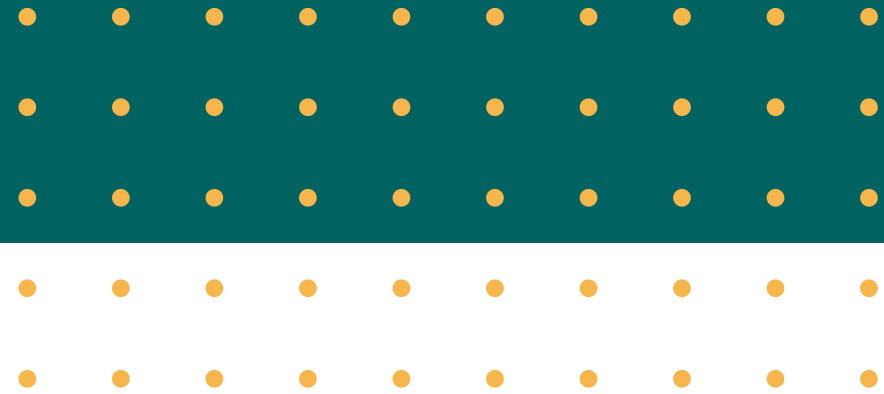
GP practice over 1000m2 or  
multiple buildings on same  
site

**£855+VAT**

20% of the fee will go to Greener Practice CIC, helping us achieve our mission of making  
UK primary care more sustainable.



# CASE STUDIES & PREVIOUS PILOTS



# CEP Energy Audit Pilot

Phase 1 - 24 Practices Audited

96%

of practices need to secure a competitive, 100% renewable energy tariff.

100%

of practices need to install LED lighting throughout the building and equip with PIR.

100%

of practices need to upgrade their insulation and apply draught proofing measures.



£88,319 of immediate savings

£88,319 of immediate yearly savings have been identified primarily through securing a competitive, 100% renewable energy tariff, switching meters or adjusting boiler controls.

## Renewable energy

100% of practices need to invest in solar panels and heat pumps. Having the expert audit report has allowed practices to start justifying those choices.



## Economy 7 Meters

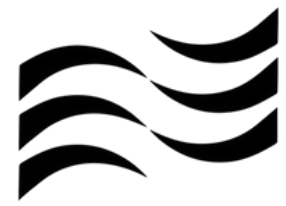
38% of practices were found to be on Economy 7 Meters. These meters charge more during day time hours! Highlighting the need for energy education in Primary Care.

456 tonnes of CO<sub>2</sub>e

456 tonnes of CO<sub>2</sub>e could be saved and 65% of costs could be reduced (per year!), if all recommendations are implemented.



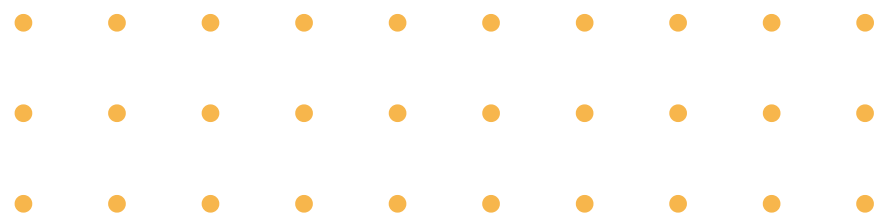




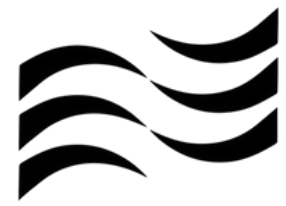
## Case Study

In 2020, Marches Energy Agency carried out a building energy audit at a GP practice in Shropshire, recommending a range of fabric measures.

Following the audit being carried out and receiving the report of recommendations, the practice installed cavity wall insulation.

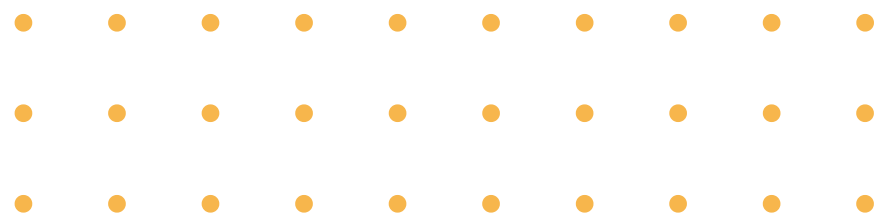
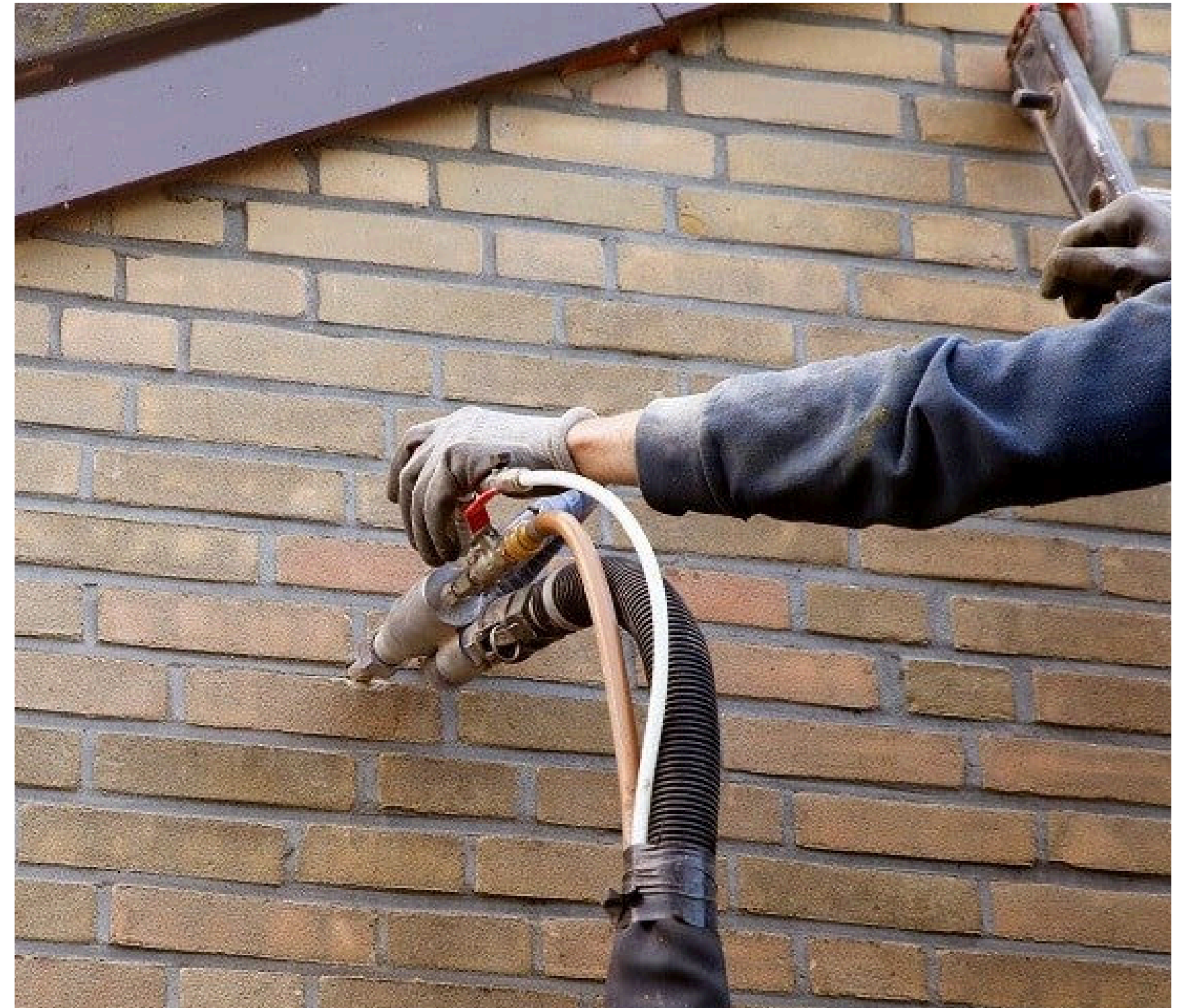


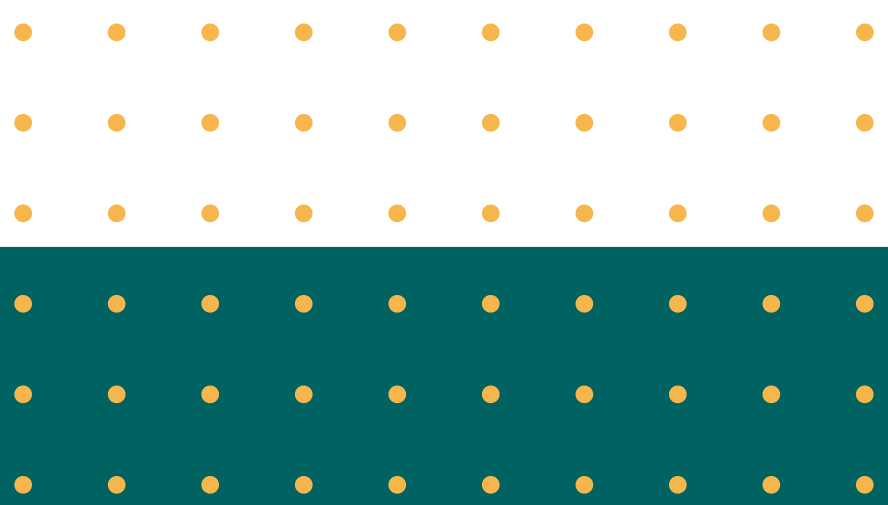
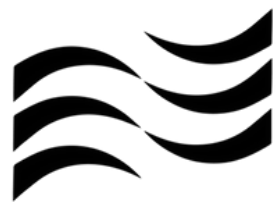




## Case Study - Testimonial

*"The practice always felt very cold, and one of the rooms the nurses use for more intrusive examinations was known to be particularly uncomfortable for patients. I felt we could improve the building and having MEA's report, with its clear options, enabled me to discuss with the other partners and gain support for cavity wall insulation. Since then there has been a marked improvement in comfort for patients as well as the staff working at the practice."* - Dr Kieniewicz





# THANK YOU

Do you have any question?

[harry@mea.org.uk](mailto:harry@mea.org.uk)  
01902921417

