

Steps to Net Zero Webinar 4 – Buildings and Energy

just enterprise

Growing Climate Confidence



Welcome to Steps to Net Zero



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A 5-part webinar series for Scotland's Third Sector

- 1 Engagement (watch online)
- 2 Travel (watch online)
- 3 Waste and Reuse (watch online)
- 4 **Energy and Buildings (today!)**
- 5 Buying and Selling (19th March)



Housekeeping!

- Closed captions are enabled should you wish to use them.
- Submit questions via the chat facility and upvote those you most want to be answered in the time available at the end.
- A copy of the slides and answers to any questions we don't get to during the session will be emailed out in the next few days.
- Please use the chat function respectfully!



1 Measure your footprint

<http://climateconfident.scot/scorecard>

Thank you for taking the scorecard
Growing Climate Confidence

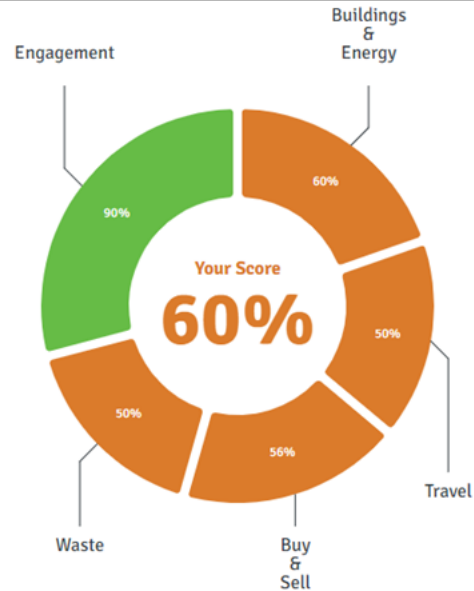
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If you would like further guidance and support, don't forget to check the [Climate Confident website](#).

Get some ideas on where you can start reducing below.

Over the next few weeks, we'll be sending you tailored tips based on your answers to help you get started.

● low ● medium ● high



Agenda

- Adam - Energy in your buildings
- Emily Berry - Utility Aid
- Rainer Herbert, Portgordon Community Trust





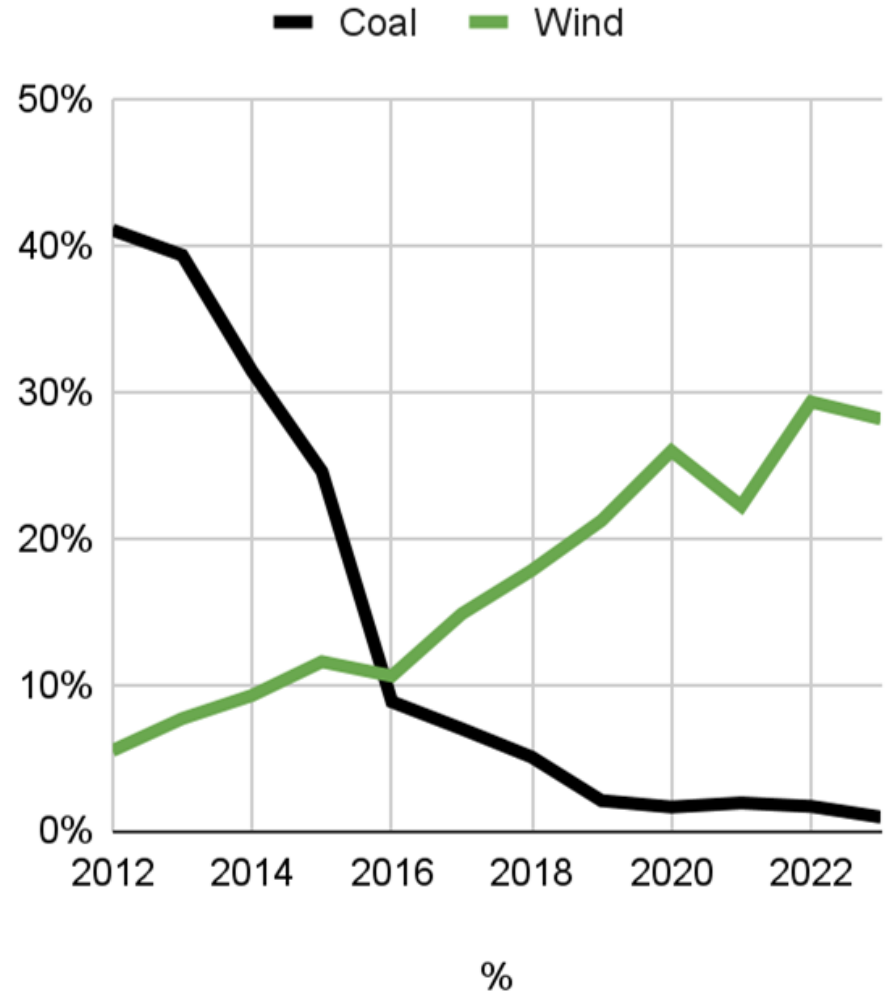
Coal vs Wind

11 Years

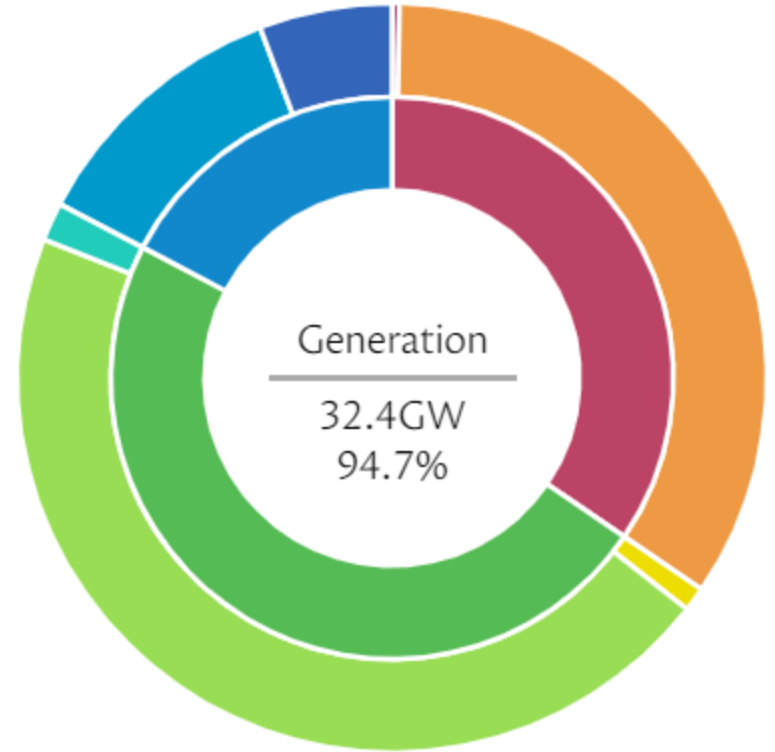
2012: 0.5kg CO₂e per kWh

2022: 0.18kg per kWh

65% in 10 years



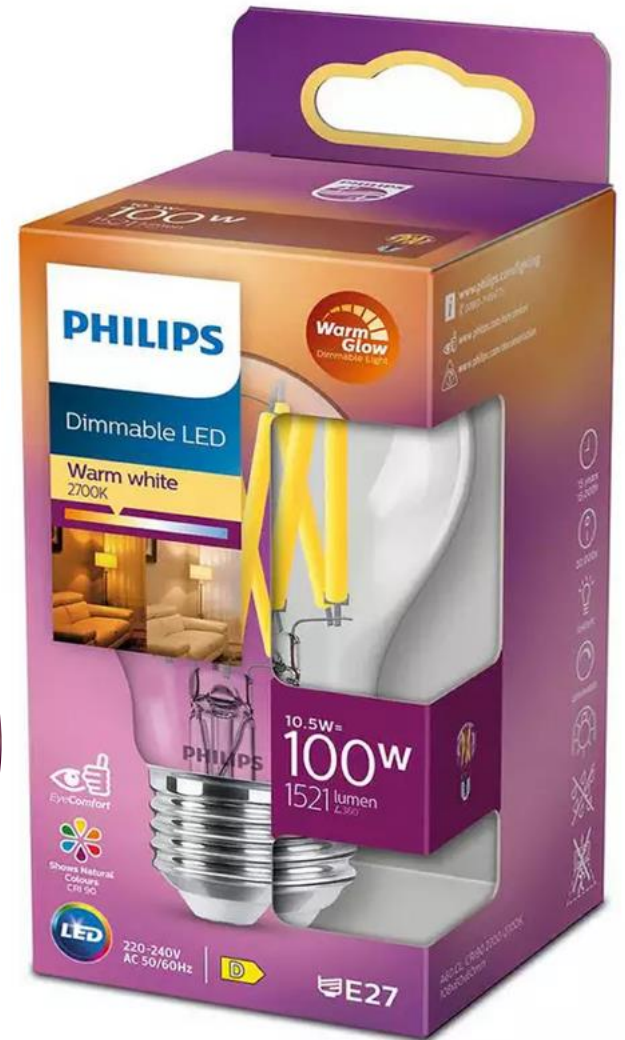
<https://grid.iamkate.com/>



LEDs

100W Bulb > 10W

90% Reduction



We have the Technology

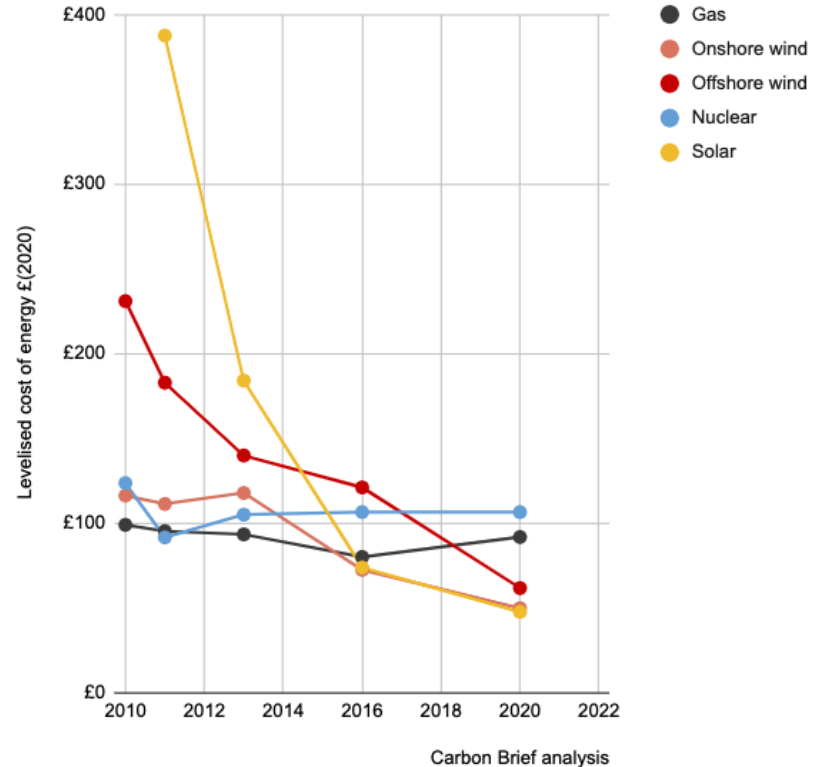
Cost of Solar over the past 10 years

Think about your team

Don't wait for perfect tech

Solar is now 88% cheaper than thought a decade ago, UK gov't says – and half its estimate for gas power

Levelised cost estimates are down 57% for onshore and 73% for offshore wind

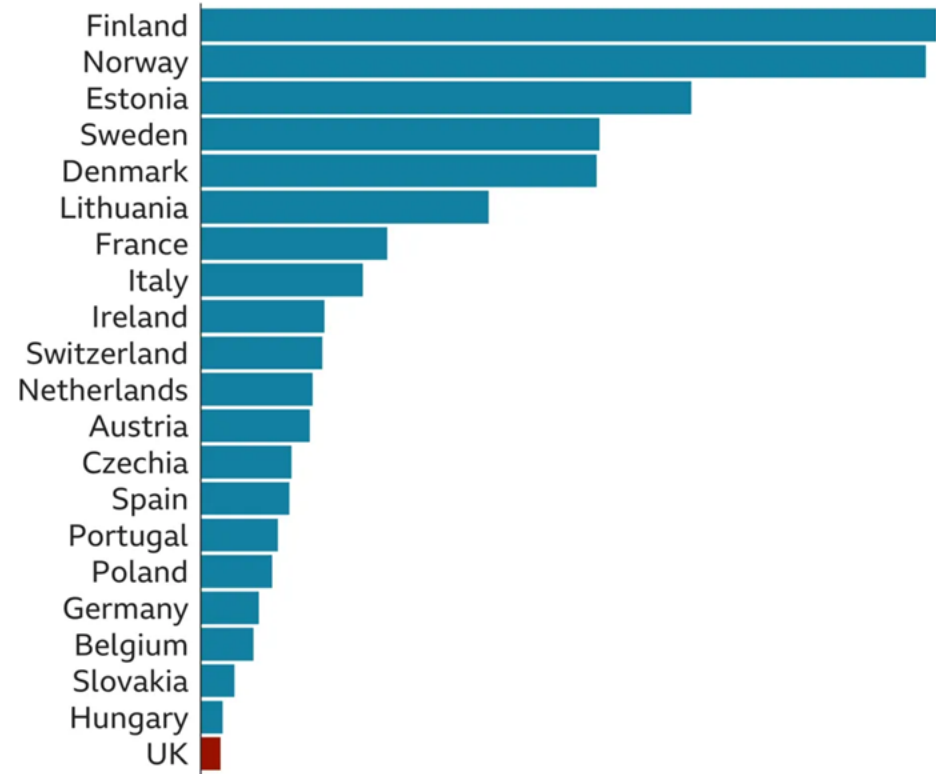


Heatpumps do work

But may not work for your building

Heat pumps in Europe

Number of installations in 2021 per million population



Source: European Heat Pump Market and Statistics Report 2022

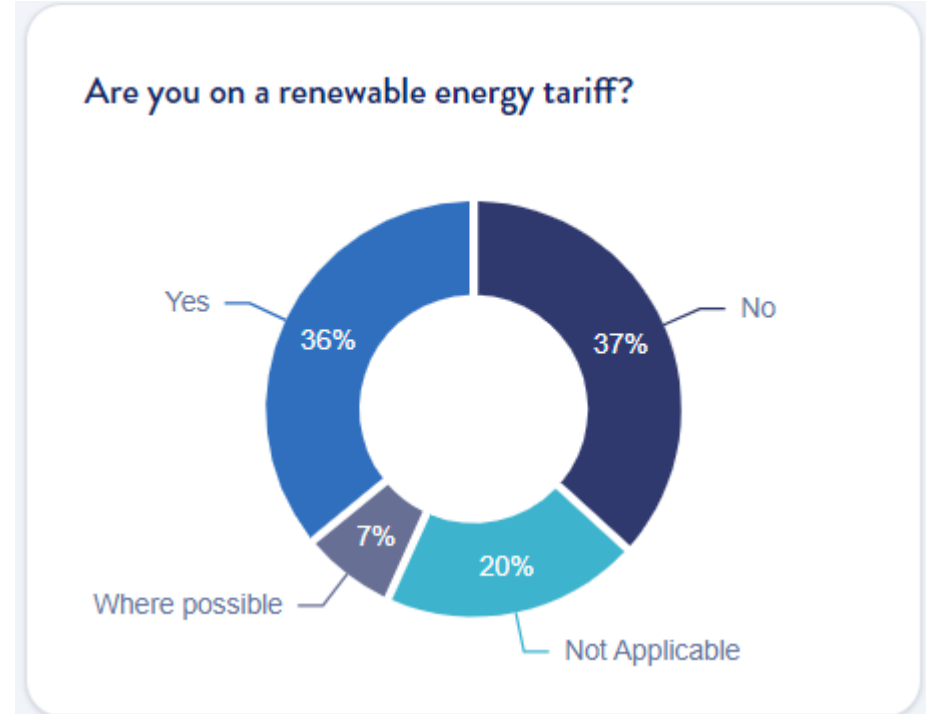


What's happening in Scotland?



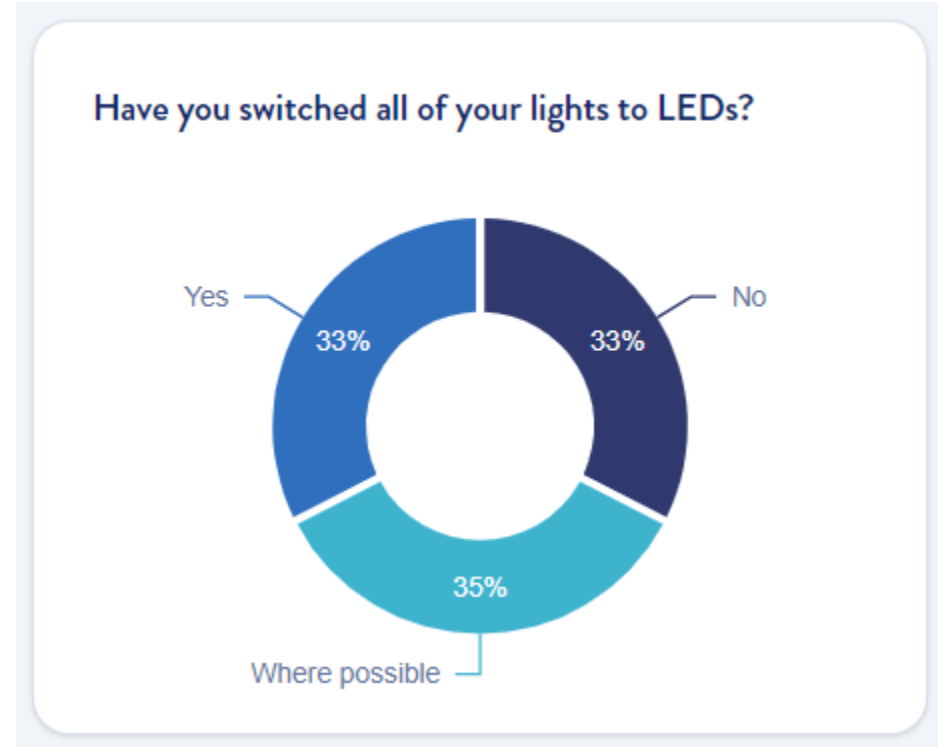
Renewable Energy

- Similarly, a third of people havent moved to a renewable energy tariff.
- This is often outside of control.



LEDs

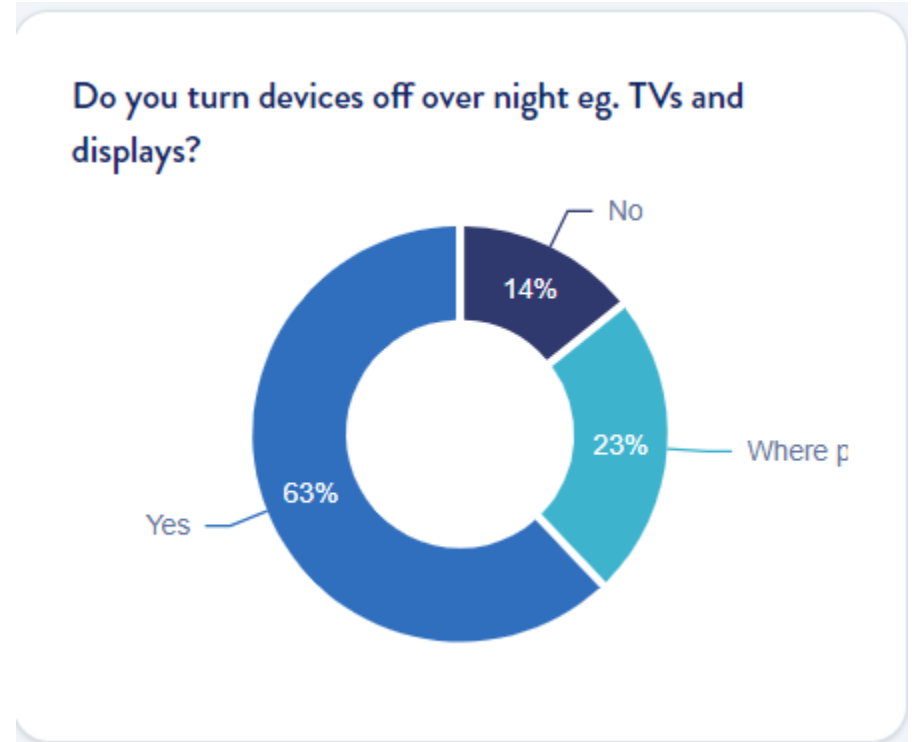
- We saw LEDs are still a huge impact on emissions and costs.
- A third of people still haven't switched!



Device & Awareness

The majority of people are turning off devices and not wasting energy

However...



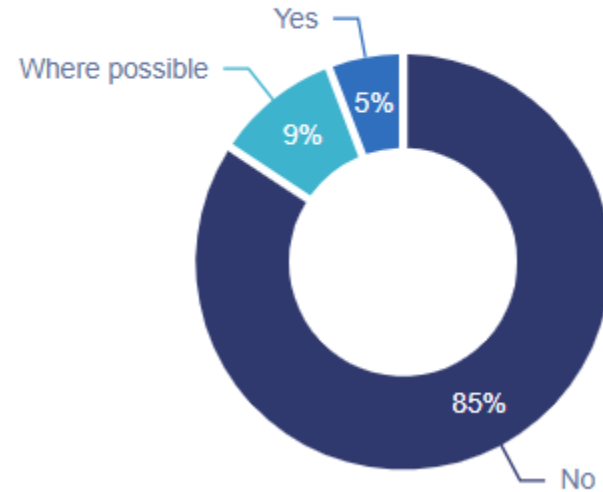
Devices & Awareness

...there's a lack of awareness and context for energy.

You might be running around turning off TV monitors while a old, second hand fridge is consuming huge amounts of power in the background.

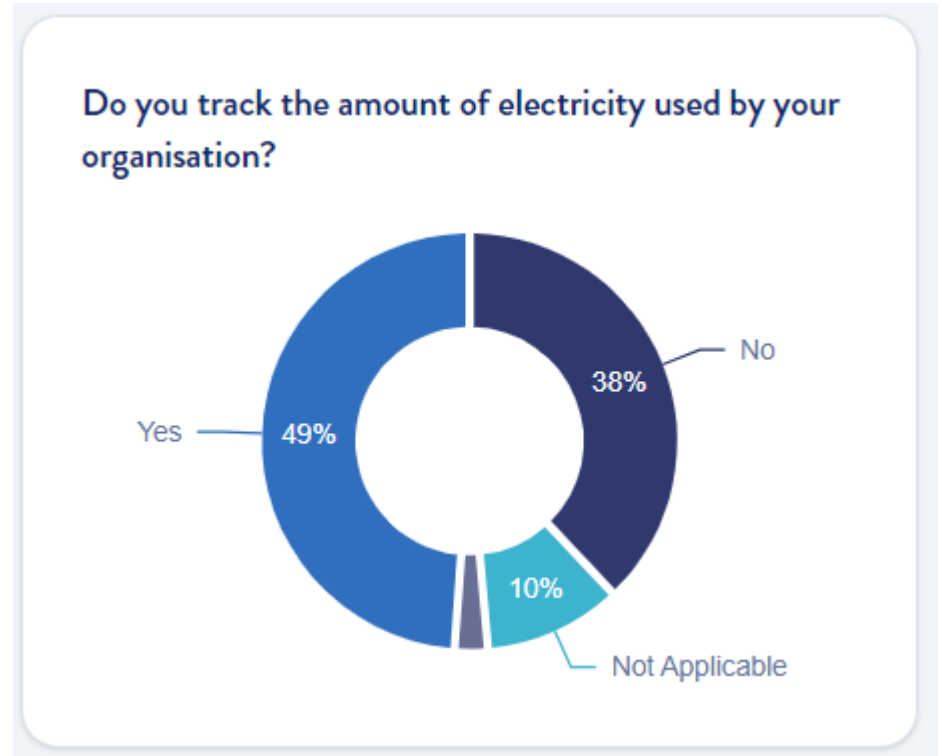
Smart plugs are a great way to get visibility here.

Do you measure the energy usage of individual devices?



Reporting

Similarly, we see that organizations may not have an overview of their energy consumption at all, with 38% not tracking it



A person wearing a red hoodie and black leggings stands on a paved path, viewed from behind. Their hands are raised behind their head. The path leads towards a bright sun in a wooded area, creating a strong lens flare and illuminating the scene. The trees are lush and green, and the overall atmosphere is serene and contemplative.

What do
you do
about it?

1. Smart Plugs

These devices are a fantastic way to identify “energy vampires” and are about £10 to start with.

Can also automate usage - e.g. if you do have a TV in the corner idling the news.



2. Behaviour Change

A common barrier is due to landlords.

But what about your teams and engaging them?

66% of change needed to reach net zero is a change in behaviour - Climate Change Committee.

Could smart plugs and other energy devices be a good challenge?



3. Team - Heat

This goes for heating too - understanding how staff members are actually using the space.

E.g. are they too hot and turning air conditioning on rather than turning heat down?

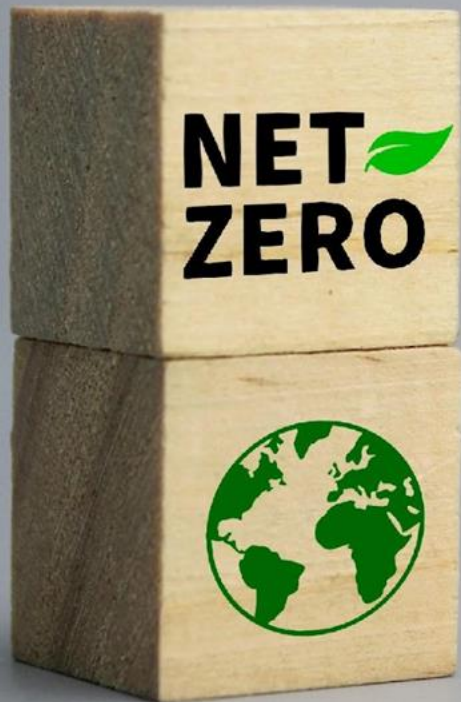


Make it fun!



What if you had a bit button?

Turns off the entire office?

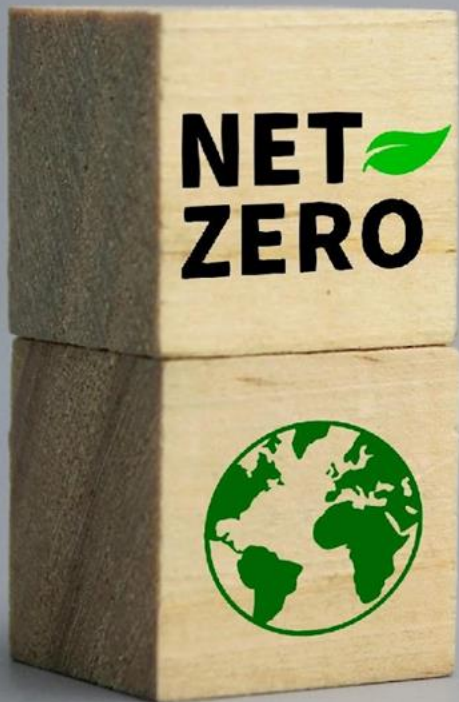


Emily Berry - Utility Aid

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Rainer
Port Gordon

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Next Steps!



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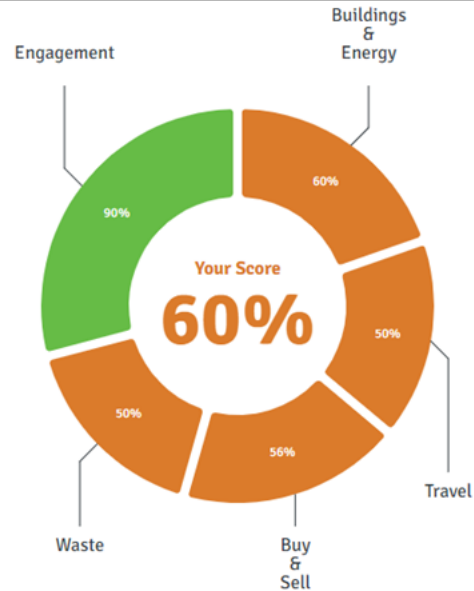
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1: Conduct a simple energy audit of your building.

BUSINESS
ENERGY
SCOTLAND

How to audit your business energy consumption

Improving energy efficiency can lead to substantial cost savings and new opportunities to improve competitiveness, increase profits and secure growth.

[Home](#) / [Guides](#) / [How to audit your business energy consumption](#)



**2. Choose energy
efficient lighting &
equipment**



3. Ask your landlord to help with energy efficiency

Use the [Green Lease toolkit from the Better Buildings Partnership](#) to help tenants and landlords work together to reduce energy consumption



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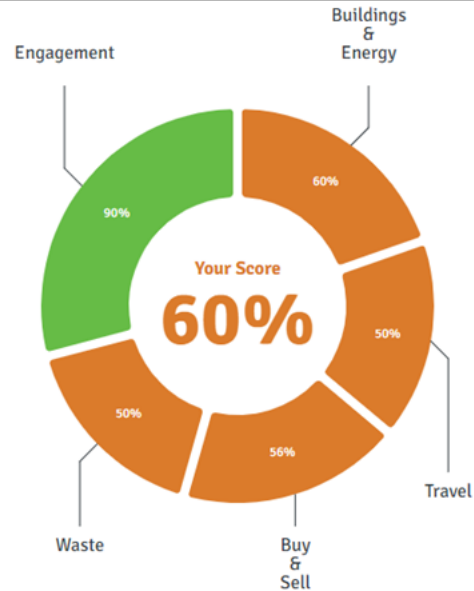
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2 Submit a story to SCVO!



To encourage staff to participate in active travel we have hired two electric bikes from local social enterprise, Bike for Good via their Switch Up subscription service. Staff can book the bikes via our booking system to travel to client meetings. This is a pilot project we're running for a couple of months in the hope it will motivate staff to look at more active ways to travel for business and personally. **Jo Seagrave, CEIS**



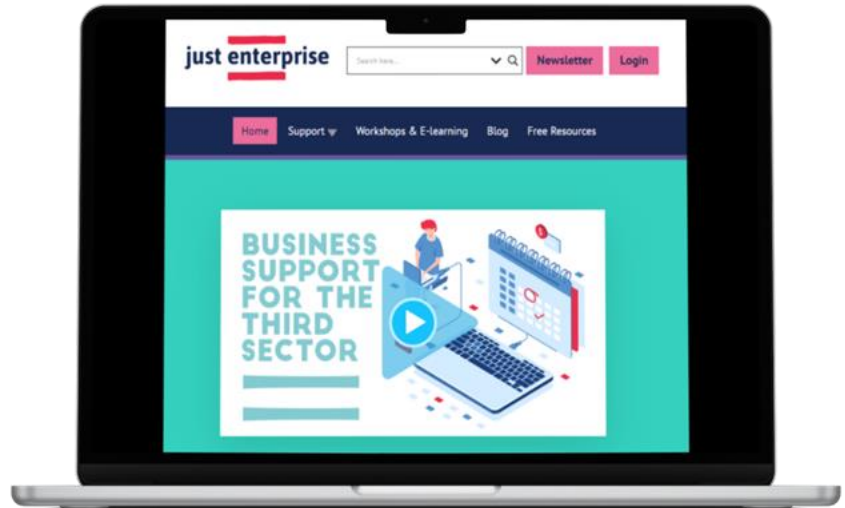
At Scouts Scotland we are taking actions to make our Outdoor Activity Centres greener, and also bring young people along on that journey with us. We've recently installed food composters on all of our sites, so that the organic material leftover when groups eat with us can be turned into zero-mileage compost. **Lisa, Scouts Scotland**

3 Get support from Just Enterprise

Funded by The Scottish Government, Just Enterprise is the go-to source of support for social enterprises and enterprising Third Sector organisations.

Register now to access:

- Start-up advice
- One-to-one business support
- Leadership programmes
- Workshops
- E-learning



<http://www.justenterprise.org>



Join us for Webinar 4: Buying & Selling 20th February 2024



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