



#### Who we are

- Funded by the Scottish Government
- We provide free, impartial support and access to funding to help small and medium-sized enterprises save energy, carbon and money
- We help businesses identify AND implement energy saving projects
- Local support covering all of Scotland
- Previously known as the Energy Efficiency Business Support Service, and now managed by Energy Saving Trust







## What I will be covering today

- 10 no cost and low-costs things you can do to reduce your energy use
- Q&A









# **OPTIMIZE**

**CONTROL** 

**UPGRADE** 









### 1. Make use of natural (free) light

- Ensure that windows and skylights are clean
- Remove furniture and any obstructions from near windows
- Mount curtains or blinds above or to the side of windows so they do not obstruct light when they are not in use
- Move workers around so that desk based workers are seated next to windows
- Ensure that lighting reflects changing seasons and weathers









- Optimise your heating controls
- Use our FREE TEMPLATE to record your ideal heating system settings
- Avoid overheating every degree Celsius (°C) reduction you make can cut up to 8% on your energy bills
- Train staff to operate controls



# ıre

# Recording your building's temperature

Helping you optimise your heating system's switch-off times

A lot of organisations wa by heating their premise on site - either in the mo arrives, but more comm everyone has left for the

Setting correct timer cor your heating system swi the morning to provide to for staff and customers without switching on too energy.



This template should external temperature

- · Monitor several ar
- · Find out what you
- Record system sta
- Record temperat
- · Alter timings to op

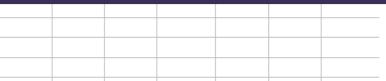


В							
С							
Start time	temperature ch	necks					
Date	First day back after weekend/ holiday?	External temp	Time of system start	Opening time (when staff arrive)	Temp of area A	Temp of area B	Temp of area C

#### https://businessenergyscotland.org/tool/optimise-your-heating-controls









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### 3. Fix leaking (hot water) taps

- Conduct a site walk round using our free checklist
- Encourage staff to report leaks and make it clear how they can
- Measure flow rate
- Often, just tightening a washer is enough



https://businessenergyscotland.org/wp-content/uploads/2022/08/Site-Walk-Around-Checklist-Water-RES.pdf https://businessenergyscotland.org/staff-engagement-toolkit/











### 4. Draught proof

- Save money
- Improved conditions for employees
- Easy and cheap to do

"draught proofing a building can reduce energy bills by around 15%"









#### 5. Hot desk

- Make the best of your space layout
- Hot desking means only the amount of desks needed, are used at one times
- Lights or heating can be turned off in areas which aren't used
- Employees can move to areas where they prefer the light or the heat stopping the need for higher energy usage









### 6. Staff Awareness

#### Resource efficiency at work quiz

Please put a tick in the box alongside the correct answer for each of the following questions:

- 1. What is the correct order for how to best deal with waste?
- a) Prevent waste > Re-use items > Recycle waste > Energy recovery > Landfill
- b) Recycle waste > Prevent waste > Re-use items > Landfill > Energy recov
- c) Prevent waste > Recycle waste > Re-use items > Energy recovery > Lan
- d) Landfill > Re-use items > Energy recovery > Recycle waste > Prevent w
- 2. Why should we prevent waste?
- al It is bad for the environment
- b) It is required by regulations
- c) Waste prevention can save an organisation money
- d) All of the above
- 3. Which waste types best describes what must be s businesses as of January 2014?
- a) Used paper towels, milk bottles, packaging, electrical equipmen
- b) Paper, card, plastics, metal, glass
- c) Wine bottles, wood, lightbulbs, tyres, vegetable peelings
- 6. Why should we try to reduce water consumption in Scotland?
- a) It can save organisations a large amount money for little effort
- b) Water is an extremely scarce resource
- c) It is required by legislation
- d) Our water is needed for export
- 7. How long is an organisation responsible for the waste it produ
- al Until it is collected by the waste contractor
- b) Until it reaches a waste treatment facility
- c) Until it is put outside for collection



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This is to acknowledge that

has successfully compl

### https://businessenergyscotland.org/guides/resource-efficiency-work/

- c) Leave the heating on all the time even when the area is empty to maintain the
- d) Turn on all equipment in the room as well as the heating system
- 9. How can someone learn more about reducing waste at wo
- a) Wait and see if management organises a training course
- b) Visit our website www.zerowastescotland.org.uk and use the FREE Saving
- c) Work with a management consultant to deliver a seminar
- d) Read the back of packaging

Would you be interested in becoming a Green Team mem!

- hl Yes
- c) Maybe



Zero Waste Scotland's Energy Efficiency Business Support zero waste scottano s Energy Emiciency Business Suppor Service holps businesses to cut their energy costs by an

Each year over 34,000 individuals from a range of organisations get in touch with us for inno-

We're here to help Call us on 0808 808 2268





### 7. Run a 'Switch Off' campaign

- Step 1: Launch your campaign.
- Step 2: Label your lighting.
- Step 3: Use visual material to get your message across.
- Step 4: Communicate your campaign to staff.



Leaving all the lights on overnight in a typical office wastes enough energy to make over 6,000 mugs of coffee

Switch off



Switch off - Save energy

You expect me to work hard all day but still be turned or at night



https://businessenergyscotland.org/staff-engagement-toolkit/







# 8. Label your lights

- Switches should be clearly labelled to enable staff to switch off lights in unoccupied areas
- A lighting map will help staff understand the layout more easily
- Use our free labelling templates to encourage your staff to turn off lights when not needed





# Light labelling templates

### Helping you encourage your staff to turn off lights when not needed

It's the end of the day, you're ab home and go to turn off the lights But instead of a simple click, you number of light switches on the v switch is for your area, and which the rest of your colleagues into di

If you're like most people, you pro take the risk of making the wrong head straight out of the door, leav on and leave it to the last person of them all off.

This is a common occurrence in but a big waste of energy. However, the solution - just label your light switch



- If can come up with a short desuse template 1. It can be edite familiar with.
- If you can't come up with a shot each light switch. Then, beside description of what each light or to show what area each numbe

	Templat	e 1		
	Breakout area			
Reception	Hot desks	Meeting room 3	Boardroom	
leeting room 1	Meeting room 2	Accessible toilet	Toilet/WC	
Ladies	Gents	HR	IT	
Procurement	Finance		Customer Service	
Admin	Sales	Marketing	Pod 4	
Pod 1	Pod 2	Pod 3		
Desks 1 • 4	Desks 5 · 9	Desks 13 - 17	Desks 18 - 22  Description  Description	
	Description	Description		
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https://businessenergyscotland.org/guides/switch-off-campaign













# 9. Energy saving tips for fridges

- Make sure your fridge is set at the correct temperature
- Shut the fridge door
- Use a thermometer
- Don't put hot food in the fridge
- Store food in the right area



www.lovefoodhatewaste.com/article/chill-fridge-out



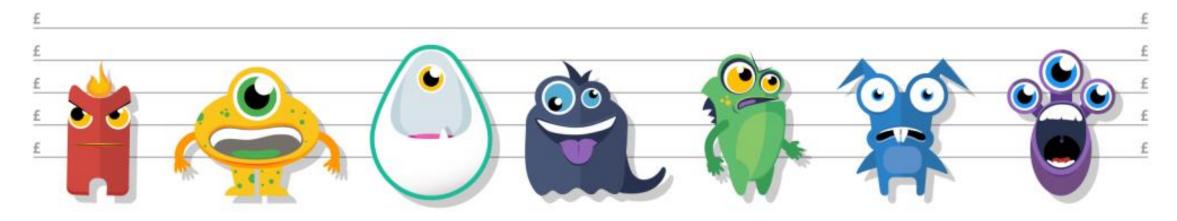






#### 10. Monitor and Measure

- Free Guide for monitoring
- Profit Monsters why you should measure and monitor



https://businessenergyscotland.org/are-these-seven-secret-profit-monsters-lurking-your-business https://businessenergyscotland.org/guides/measure-energy-use/









**Green Champion CPD Training 03/11/2022 10.00-12.30** 

https://businessenergyscotland.org/event/green-champion/



#### Event

### Train to become a CPD-certified Green Champion

Join this free training webinar to become a CPD-certified Green Champion

Date: 03/11/2022

Time: 10:00 am - 12:30 pm

Location: Online





