

perform an

Energy Audit



overview

- 01** what is an energy audit?
- 02** how do you perform one?
- 03** what changes can you make?
- 04** conclusion



**energy conservation makes good
business sense and it reflects the
responsibility we have to be a
good neighbor**

**- Abigail Pringle, Wendy's President,
International and Chief Development Officer**



01

what is an
energy
audit?

what is it?



an energy audit is an **in-depth inspection and analysis** of the current energy costs, usage, and efficiency of your business or organization



what does it include?

energy audits are when
you or a professional
energy auditor inspect...

- buildings
- appliances
- past energy bills

businesses use
audits to see where
they can make
changes to **save**
both money and
energy, furthering
their **sustainability**
initiatives while
cutting costs



why is it beneficial?



saves you
money



reduces your
carbon footprint



improves
energy and
appliance
efficiency



encourages
employees to take
part in sustainability
initiatives in the
workplace and at
home

two kinds of energy audits

professional
energy audit



do-it-yourself



02

how do
you perform
one?

hiring an energy auditor



Look into your local energy audit professionals and businesses to hire them to survey your business, its energy usage, and its energy efficiency.

do-it-yourself

some things you will need...

1

past energy bills to examine historical costs and usage

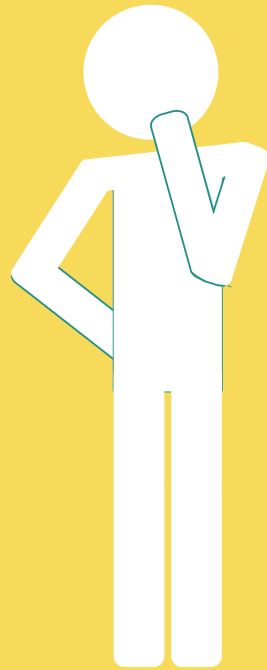
2

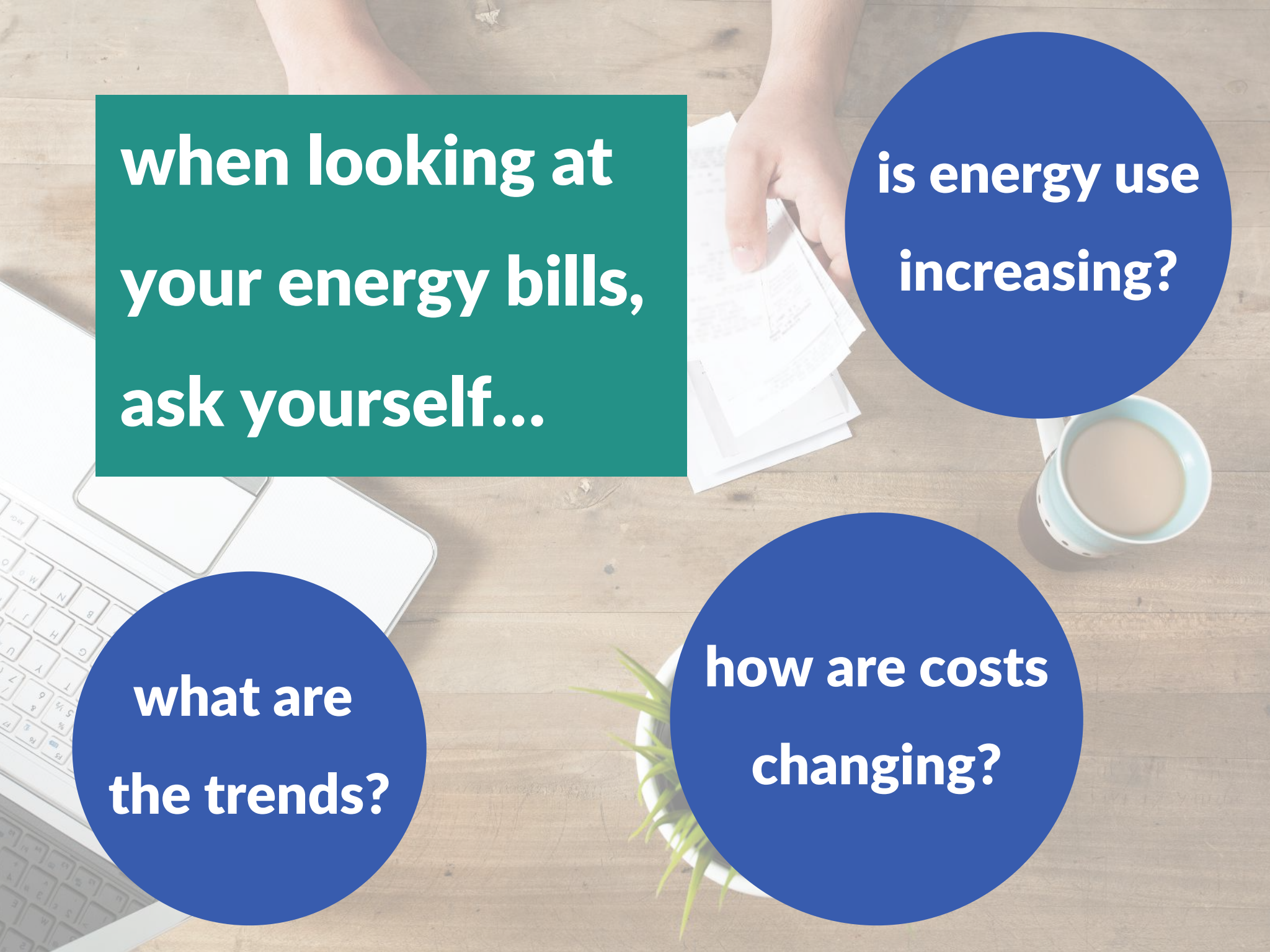
a spreadsheet to organize your notes and findings into multiple categories

3

time to inspect your business and its energy usage thoroughly

but, what are
you looking for?



A top-down view of a wooden desk. A person's hands are visible at the top, holding a stack of papers. A white laptop is on the left, and a light blue cup of coffee is on the right. Three text boxes are overlaid on the image: a teal rectangle on the left and two blue circles on the right.

**when looking at
your energy bills,
ask yourself...**

**is energy use
increasing?**

**what are
the trends?**

**how are costs
changing?**

go through each category...

**heating
and cooling**

lighting

energy

appliances

lighting

- what kind of light bulbs do you use?
- do you turn them off when they are not in use?
- do you have a lot of windows that could provide more natural light rather than using artificial lighting?





heating and cooling

- where is your thermostat? Is its temperature gauging affected by outside factors, like direct sunlight?
- what temperature and setting do you usually have it on?
- do you have good insulation?
- do you have any “drafts,” around windows and doors?

appliances

- how often do you use your appliances?
- are they constantly on and plugged in even when not being used?
- are they energy efficient? look for the energy star sticker





energy

- where does your energy come from?
- do you use any renewable energy?

step-by-step



- 1 analyze your past bills and look into where your energy is coming from.
- 2 inspect each room, gathering information on appliances, lighting, insulation, etc...
- 3 develop ideas and recommendations for ways to reduce costs and wasted energy

03

what kind
of changes
can you
make?

common recommendations are called...

energy efficiency measures (EMMs)

these are changes to your business' energy
systems, controls, or equipment installations
that result in lower energy use

what changes can you make?

A hand holding a light bulb against a background of a clock. The hand is holding a standard incandescent light bulb. The background is a light-colored wall with a large, round, white clock face. The clock face has a simple design with a single hand pointing towards the top right. The overall image is in a soft, slightly blurred style.

- change light bulbs to **energy efficient alternatives**, like LEDs
- **turn lights off** when not in use!
- **turn up** your thermostat and adjust it to use less energy
- talk with your energy company about using **more renewable energy** from the grid
- **renovate** windows, insulation, and energy systems in the building to improve efficiency
- change and **update** appliances so that they are more energy efficient
- **invest in an energy manager** and management system

04 conclusion



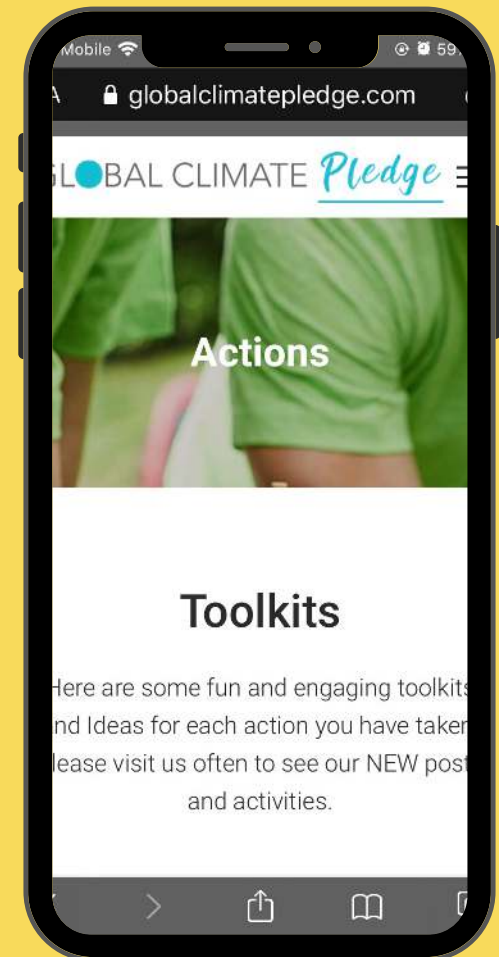
**by energy auditing,
you can find new
ways to increase
your efficiency!**

conclusion

energy audits are a great way to cut costs while helping the environment. analyze what appliances you use, how your heating and cooling works, and what kind of lighting you have, to determine your energy usage and efficiency.

check out these toolkits on the *Global Climate Pledge* website for more on energy efficiency:

- go electric or hybrid
- install light sensors and turn off lights when not in use
- utilize your thermostat and reduce energy usage
- reduce vampire energy
- utilize natural lighting
- purchase only energy efficient appliances and light bulbs



Thank You

FOR BEING A PIONEER OF
CHANGE AND CREATING A
WORLD THAT IS KIND TO ITS
PEOPLE AND ITS HOME

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