

Tips for energy efficiency

Whenever you save energy within your business, you are also saving money.

We've put below some energy saving tips and suggestions to help your business reduce energy use and save on power bills.

Office equipment



CAN YOU:

- Turn off computers, monitors, printers, copiers and lights at the end of each working day? (If you can't turn off the whole computer, turn off the monitor and the printer.)
- Reduce paper use by printing double-sided or re-using paper?
- Use email instead of mailing memos and documents?

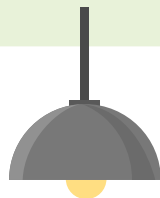
Heating, ventilation and air conditioning



CAN YOU:

- Close doors to the outside to contain heating/air conditioning?
- Close/open shades to minimise or maximise heat from natural sunlight, as required by weather conditions?
- When possible, turn the heating/air conditioning off for the last hour of each work day?
- Keep the thermostat at 24-25°C during summer and 18-20°C during winter?

Lighting



CAN YOU:

- Clean dusty diffusers and lamps every 6-12 months?
- Turn off lights when not needed?
- Turn off signs and other lights not needed for security and safety?

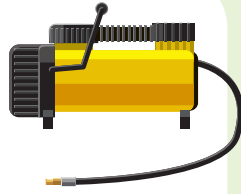
Refrigeration



CAN YOU:

- Keep fridges reasonably full and make sure there's enough room for cold air to circulate?
- Position fridges in a location that is well-ventilated and not exposed to direct sunlight or heat from other equipment?

Compressed air



CAN YOU:

- Make sure your compressed air system runs only when the plant is in use? (Use smaller air compressors dedicated to serve minimal after-hours needs.)
- Reduce the discharge pressure to the minimum required by the system?
- Use blowers or hand sweeping for cleaning purposes?

Process cooling and refrigeration systems



CAN YOU:

- Eliminate heat losses from leaks and improper defrosting?
- Freeze products in batches rather than continuously?

KEY FACTS

OFFICE EQUIPMENT

- A desktop computer used for **eight hours a day** can generate over **600 kilograms** of greenhouse gases per year
- Simply **turning off the monitor** when going on a break or into a meeting will save two thirds of the overall energy consumption when not in use, and **screen savers do not save any energy at all**

- Between **40-90%** of the total energy use from computer equipment can be **contributed to standby power**
- Colour printing** can also **use more energy** than **black and white** printing

INDUSTRIAL EQUIPMENT

The impact of an optimisation programme for your assets and equipment onsite can be extensive, if the right processes and operational procedures are in place. Our key assumptions can be found below:

Equipment to be optimised	% Reduction in energy consumption
Process machinery	20%
Pumps, fans and blowers	30%
Steam boiler plants	30%
Process machinery	35%

CARBON

- A saving of 2,325 kWh of **ELECTRICAL CONSUMPTION** will save 1 tonne of carbon emissions
- A saving of 6,263 kWh of **GAS CONSUMPTION** will save 1 tonne of carbon emissions
- A saving of 339 litres of **FUEL OIL CONSUMPTION** will save 1 tonne of carbon emissions