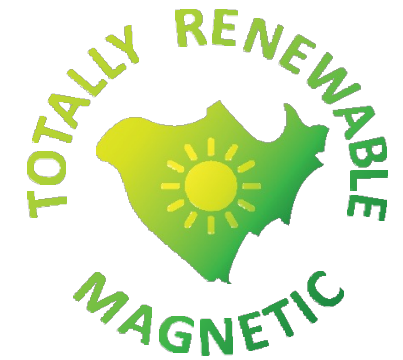


# How to use electricity more efficiently in your home



Typically, around **75%** of domestic electricity use is from:

1. Air-conditioning (18%)
2. Pools (28%)
3. Hot Water (16%)
4. Cooking (14%)

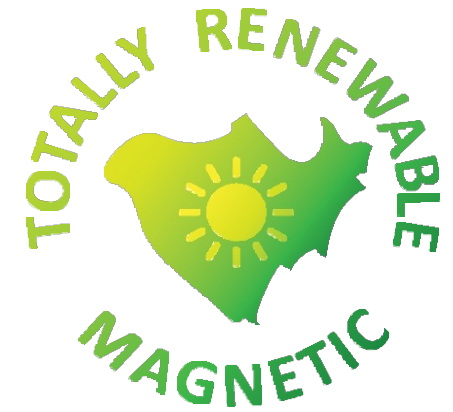
Being more efficient with these appliances will have the biggest impact on reducing electricity use and bills.

# 1. Airconditioner

- Avoid using unless necessary (shade walls, insulate ceilings and open screened windows for breeze)
- Set at as high as can enjoy **21 to 23°C** (1°C reduction could save ~10% of AC energy costs)
- Use timers or smart thermostats
- Smallest needed for each room is better than a big system
- Clean the filters and ducts annually
- Use the AC regularly to prevent internal mould growth
- Use ceiling fans to keep air circulating
- Keep the heat down (create shade - close blinds and curtains, cook outside, use induction cooking, turn appliances off, salads, fish etc.)



## 2. Swimming Pool



- Time pumps and chlorinators to the minimum
- Time pumps and chlorinators to coincide with solar generation (i.e. 9am to 3pm)
- Maintain regularly and clear filters
- Use energy efficient variable speed pumps and timers
- Use solar heating (if required)
- Cover your pool (less cleaning and evaporation)

# 3. Hot Water

## Bathroom

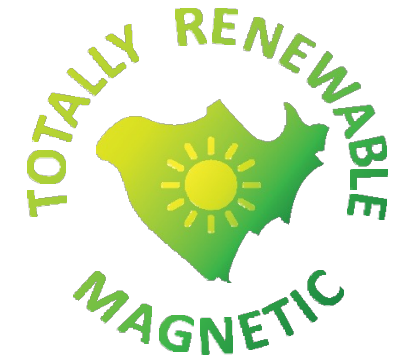
- Have showers not baths
- Install an efficient shower head. This can save at least 10 litres of water a minute and significantly lower energy costs.
- Keep showers short - four to five minutes
- Replace electric resistance heaters and gas heaters with heat pump or solar hot water
- Switch appliances such as electric toothbrushes off at the wall

## Laundry

- Use a cold wash, it can cost 80-90% less than a warm wash
- Let the sun and wind do the drying or use a clothes rack
- Run dryer on medium instead of high. It takes a little longer but uses less energy and is less damaging to your clothes (N/A heat-pump type dryers)
- Avoid putting wringing wet clothes in the dryer. Run an extra spin cycle first to remove excess water
- Clean the clothes dryer lint filter after every load
- Don't mix light and heavy clothes together because they take different amounts of time to fully dry



# 4. Cooking



## Oven

- Use an electric frypan, pressure cooker, air fryer or microwave rather than the oven
- Bake between **9am and 3pm** (if you have solar generation) and reheat in the microwave

## Stove Top

- Go **induction** (85 to 90% of the energy efficient c.f. gas 38%, standard electric 70%, Electric Kettle 80% and microwave 50%).

## Kettle

- Only boil as much water as you need and **don't fill the jug**

## Dishwasher

- Only turn it on when it is full
- Select the cycle with the **lowest temperature** and **shortest duration** to get the job done
- Don't rinse plates as most modern dishwashers can easily deal with the remaining soil following scraping alone. Or **cold-water rinse**