



Using energy responsibly as good stewards of creation

- ▶ Energy efficiency
- ▶ Conserving energy
- ▶ Renewable energy



Energy efficiency and conservation helps tackle climate change by making renewable energy sources go further

- ▶ Tackling dampness and ventilation including draughts
 - ▶ Heat retention, cost savings
- ▶ LED lighting
 - ▶ Long-lasting, uses much less electricity
- ▶ At end of life, replace old, non-renewable and inefficient appliances with energy-efficient ones (the more stars the better)
- ▶ Timers, sensors (lights, heaters)
- ▶ Turn off appliances at the wall; standby mode is not enough

Renewable energy

- ▶ 80-85% of electricity generated in NZ comes from sustainable, renewable sources (MBIE, “Energy in NZ” 2018)
 - ▶ Hydro-electric (62%)
 - ▶ Geothermal (16%)
 - ▶ Wind (5%)
- ▶ Five major generators: Meridian, Mercury, Contact, Genesis, Trustpower
 - ▶ Meridian: 100% renewables (hydroelectric, wind), carbon-neutral
 - ▶ Mercury: 100% renewable (hydroelectric, geothermal), not carbon-neutral
 - ▶ Trustpower: mostly renewable (hydroelectric), not carbon-neutral
 - ▶ Contact: >80% renewable (hydroelectric, geothermal, gas)
 - ▶ Genesis: on the way
- ▶ Compare providers at www.canstarblue.co.nz/energy/electricity-providers