

ONE UNIT OF ENERGY will:

- ③ drive a petrol car (@ 6 litres/100km) 2km
- ③ drive an electric car (@250 wH/km) 4 km
- ③ heat 20 litres of water 42 degrees (once)*
- ③ heat a room 3.2 x 3.2 x 2.4 metres by 5°C (once)*
- ③ run a clothes dryer for 25 minutes
- ③ lift 650 litres of water 600 mtrs (Yarragadee)* (reality?-30% efficient?)
- ③ run a pool pump for 1 hour (750 watt pump + salinator)
- ③ run a big plasma TV (500 watts) for 2 hours
- ③ run an LED TV (50 watts) for 20 hours
- ③ run a small fridge for one day
- ③ run a pond pump (50 watts) for 20 hours
- ③ run a twin outdoor security lamp for 3 hours
- ③ run an electric resistance heater for half an hour
- ③ run a reverse cycle air conditioner (small - 1 large room) for 1.25 hours
- ③ run an evaporative cooler (whole house) for 1.5 hours
- ③ keep an old 60 Watt incandescent lamp on for 17 hours
- ③ keep a 15 Watt fluorescent lamp on for 67 hours
- ③ keep a 15 Watt standby load standing by for 67 hours
- ③ desalinate about 300 litres of seawater
- ③ desalinate about 1000 litres of industrial effluent

*(@ 100% efficiency, no losses)

add 1 kg of greenhouse gas to our atmosphere,
if obtained from fossil fuelled electricity

JUST PASSING THROUGH....

ONE unit of energy will:

- pass in or out of an uncurtained 3m² glass/aluminium window (eg laundry sliding glass door) in 10 hours if the temperature difference is 6°C.
- pass (in) through 2m² of ordinary glass with full sun shining directly on it, in 45 minutes.
- pass through an (3.2 x3.2) (4°C temp. diff.) uninsulated plasterboard ceiling (R0 .08) in 2 hours
- pass through an (3.2 x3.2) (4°C temp. diff.) insulated plasterboard ceiling (R3.08) in 77 hours.
- pass through the bathroom exhaust fan (300mm diameter, not turned on) in one hour (air flow rate 0.1 metres/sec) (air temp difference 5°C)