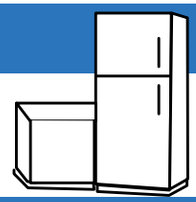
PRODUCT STANDARDS & LIFESPANS

MEPSL Appliances, Standards and Estimted Lifespans for standard (regulated) products.

REFRIGERATORS & FREEZERS
AS/NZS 4474.2:2009



9 - 13 years
LIFESPAN

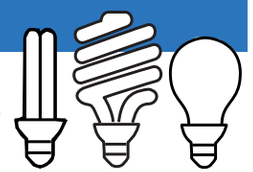
AIR CONDITIONERS
AS/NZS 3823.2.2013

10 -15 years
LIFESPAN

INCANDESCENT LAMPS
AS/NZS 4934.2:2011

1000 hours
LIFESPAN

COMPACT FLUORESCENT LAMPS
AS/NZS 4847.2.2010

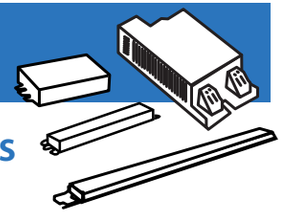


6000 - 15000 hours
LIFESPAN

LINEAR FLUORESCENT LAMPS
AS/NZS 4782.2:2004

20000 hours
LIFESPAN

FLUORESCENT LAMP BALLASTS
AS/NZS 4783.2.2002



20000- 60000 hours
LIFESPAN

BE SMART AND USE ENERGY EFFICIENT APPLIANCES

LESS ELECTRICITY = LOWER BILLS

Here are some ways to lower your energy consumption and save money:

☑ USE LOWER WATTAGE BULBS

These may cost more to purchase, but use less electricty and will save you money over time in electricity bills

☑ BUY STAR RATED APPLIANCES

The more stars, the more energy effeicent, which will use less electricty and lower your bills

Department of Energy
(678) 25201 or 33425
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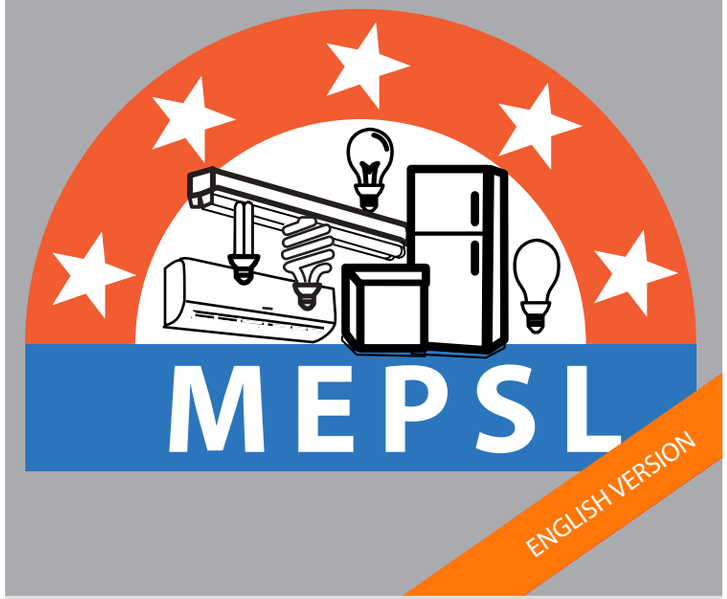
August 2017

BE ENERGY SMART

UNDERSTANDING APPLIANCE LABELS WITH MINIMUM ENERGY PERFORMANCE STANDARDS & LABELLING (MEPSL)



MEPSL INFORMATION BROCHURE

DEPARTMENT OF ENERGY
MINISTRY OF CLIMATE CHANGE & NATURAL DISASTERS
VANUATU

MEPSL (QUALITY) PRODUCTS

The regulated MEPSL products are enforced under the bill for *Energy Efficiency of Electrical Appliances, Equipment and Lighting Products Act No 24 of 2016*.

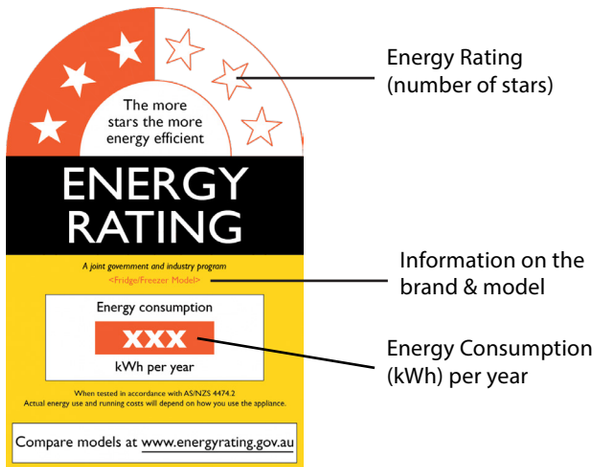
Most energy effeicient appliances can sometimes cost more in purchasing, but will be more energy efficient and cost effectve over time due to using less electricity in its lifespan.

HOW TO SELECT MEPSL PRODUCTS

- Buy products that comply with the Australia or New Zealand Standards and Labeling requirements (star rated)
- Estimate energy consumption in kilowatts per year
- Calculate the operating cost and compare to other appliances
- Know the estimated lifespan of the appliance.

HOW TO CALCULATE YEARLY COSTS FOR A MEPSL APPLIANCE

kWh per year x Vatu per kWh
= electricty cost of appliance per year

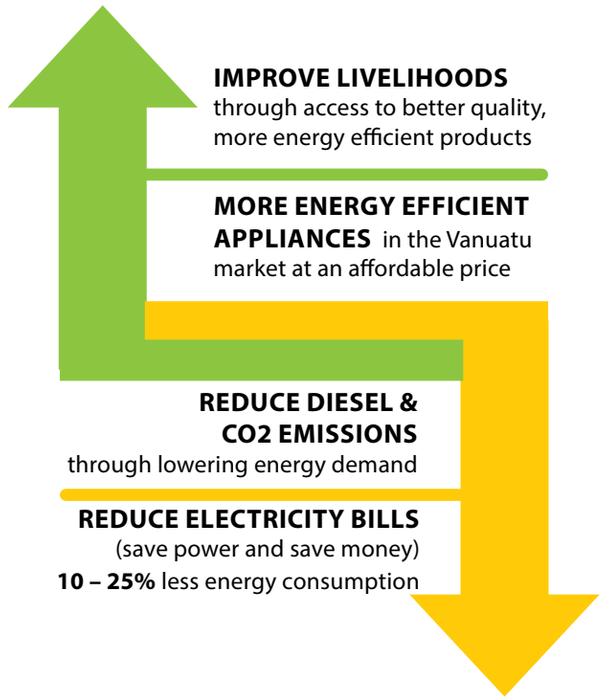


PURPOSE OF THE ENERGY EFFICIENCY ACT & REGULATION

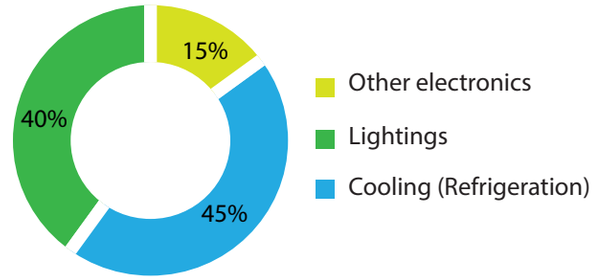
The Energy Efficiency of Electrical Appliances, Equipments and Lighting Products Act No.24 of 2016 was established in order to:

- Regulate and promote energy efficiency of appliances in Vanuatu;
- Prohibit the importation of inefficient electrical products into Vanuatu
- Stop Vanuatu becoming a dumping ground for unwanted or inefficient appliances from overseas.

BENEFITS OF REGULATING MEPS APPLIANCES



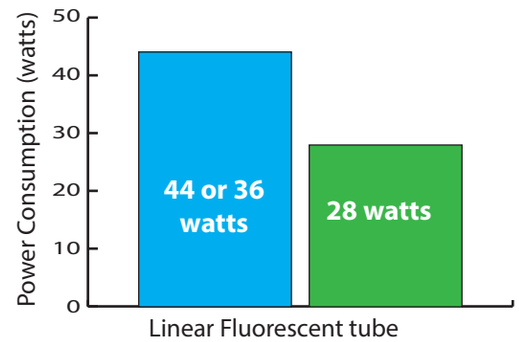
Approximate annual power consumption and cost breakdown of your home appliances



Turning off appliances (when not in use) and putting them into low power mode when idle represents a significant saving in energy consumption.

Example of Non star-rated appliances (Lightings)

Comparison of Power consumption between 44(36)watt and 28 watt Linear Fluorescent(LF) tubes



Advise:
Use the 28 watts Fluorescent tube because it consumes less power compared to the 44(36) watt tube.

The famous 36 watts rating on the 4 ft T8 fluorescent lighting is only the power consumed by the 'tube'. However, the actual power consumed is 44 watts where 8 watts comes from the ballast (the power element which excites mercury to produce the glowing effect). The latest technology of fluorescent lights, T5 are designed to by-pass this heating element, resulting in a lower consumption of energy.