

Be Energy smart

Stay away from danger and prevent wastage with these practices:



Switch off all electrical equipment when not in use.



Do not overload each socket with numerous electrical equipment.



Use electrical equipment with the SIRIM-ST Label and Energy Efficiency Label.



Test the "T" button at the Residual Current Device (RCD) once a month to ensure that it is functioning properly.

Guide to Saving Electricity



Do not leave electrical equipment in standby mode.



Ensure that all electrical equipment are free of dust and dirt to prevent excessive use of electricity.



Use energy efficient bulbs like the T5 fluorescent lamps, Compressed Fluorescent Lamps (CFL) or Light Emitting Diode (LED) lights.



Use natural lighting and ventilation whenever possible.



Set air-conditioner temperature to 24°C.



Close all doors and windows when using the air-conditioner.



Monitor your monthly electricity usage.

By following this Guide, a total of 5% of electricity savings can be achieved.

Example of Electricity Bill Savings Calculation

BIL ELEKTRIK DAN INVOIS CUKAI			
No. Akaun	: 1510xxxxxxxx01		
No. Kontrak	: I23xxx		
Deposit	: RM 500.00		
No. Invois Cukai	: 2061xxxx		
Ahmad Bin Zuhlimi 20, Jalan Bola Sepak, Seksyen 20, Shah Alam 40100 Selangor			
Jumlah Perlu Dibayar RM274.30		Tarikh Bill 05 Mei 2015	
Tunggakan	Amaun	Bayar Sebelum	
Caj Semasa	RM 274.29	04.06.2015	
Penggepapan	RM 0.01		
Jumlah Bil	RM 274.30		
Bil Terdahulu	Amaun	Tarikh	
Bil Akhir	RM 389.50	04.04.2015	
	RM 389.50	20.04.2015	
Jenis Bacaan	Bacaan Sebenar		
Tempoh Bil: 04.04.2015 - 05.05.2015 (31 hari)		Faktor Prorata	
Tariff: A - 015 (Domestik)		100	
Blok Tariff (kWh)	Blok Prorata (kWh)	Kadar (RM)	Amaun (RM)
200	200	0.218	43.60
100	100	0.334	33.40
300	300	0.516	154.80
300	77	0.546	42.04
Jumlah	677	273.84	

The above electricity bill shows an example of a household's electricity consumption. By being energy efficient, a total of 5% of electricity savings can be achieved. $5\% \times 677 \text{ kWh} = 34 \text{ kWh}$.

This means a reduction in electricity consumption of: $677 \text{ kWh} - 34 \text{ kWh} = 643 \text{ kWh}$

Calculation with 5% Savings:

Blok Tariff (kWh)	Blok Prorata (kWh)	Kadar (RM)	Amaun (RM)
200	200	0.218	43.60
100	100	0.334	33.40
300	300	0.516	154.80
300	43	0.546	23.48
Jumlah	643	255.28	

Total electricity savings is: $RM273.84 - RM255.28 = RM18.56$

Total savings that can be achieved is: $RM18.56$ per month or $RM222.72$ per year.



Energy Efficient Appliances and the Energy Label



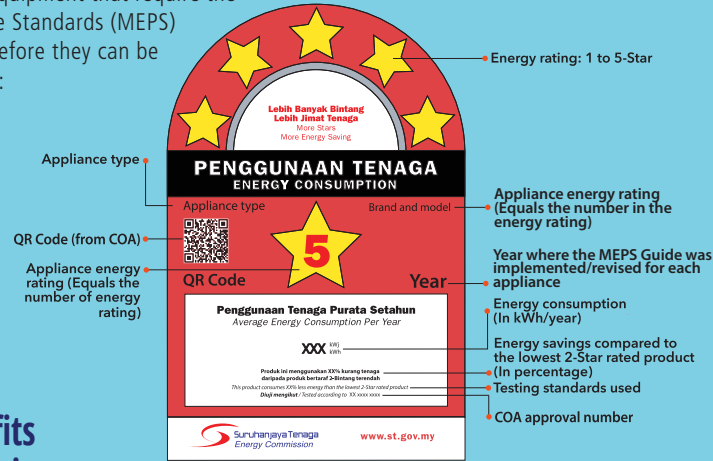
For enquires, please refer to:
SURUHANJAYA TENAGA (ENERGY COMMISSION)

No.12 Jalan Tun Hussein,
Precinct 2, 62100 Putrajaya
Tel: 03-8870 8500 Fax: 03-8888 8637

www.st.gov.my

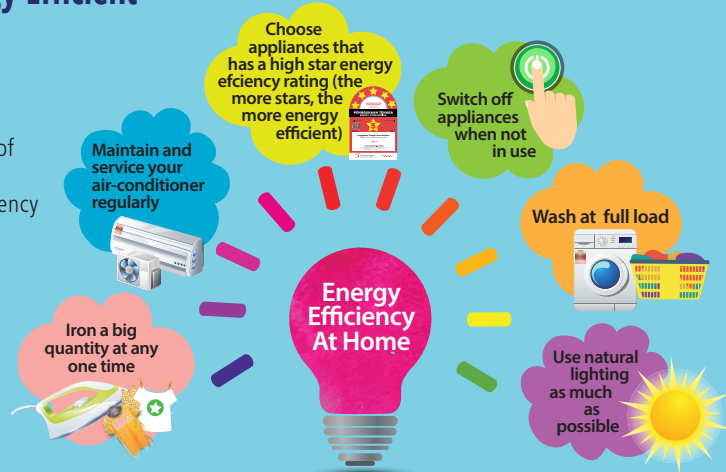
There are eight (8) types of equipment that require the Minimum Energy Performance Standards (MEPS) and Energy Efficiency Label before they can be sold in the market, which are:

- Air-conditioner
- Refrigerator
- Television
- Fan
- Washing machine
- Rice cooker
- Microwave oven



What Are The Benefits Of Using Energy Efficient Equipment?

- Saves energy.
- Saves money.
- Reduce the effects of global warming.
- Reduce the dependency on fossil fuels.



The Energy Efficiency Label helps the consumer to estimate the operation cost of the equipment before making a decision to purchase

STAR Rating	Capacity (kg)	Average Energy Consumption (AEC) kWh/Year	Percentage Energy saving compared to the lowest 2-Stars rating	Estimated energy bill AEC x Average Tariff
	12	83.95	14.81	RM33.12
	12	65.70	27.70	RM25.92
	12	29.35	71.41	RM11.58
	12	21.21	78.50	RM8.37

Energy Cost = Average Energy Consumption (AEC) x Average Tariff
Average Tariff = RM 0.3945

Note: Sample operation cost calculation for a top-loading washing machine

Energy Saving Tips

Television

- ▶ Switch off the unit when not in use.
- ▶ Avoid leaving the unit in standby mode.
- ▶ Unplug the unit when not in use for long periods of time.



Iron

- ▶ Iron a large quantity at any one time.
- ▶ Switch off the unit when not in use.



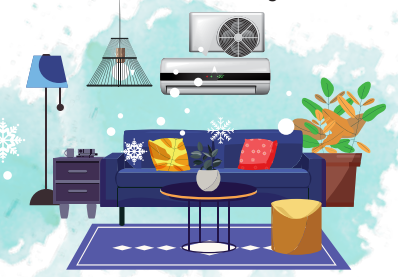
Washing Machine

- ▶ Wash at full load.
- ▶ Use optimum settings.
- ▶ If possible, please avoid using hot water.
- ▶ Dry your clothes under the sun instead of using the dryer function.



Air-Conditioner

- ▶ Set the temperature at 24°C.
- ▶ Ensure all windows and doors are closed when using the air-conditioner.
- ▶ Clean the filter regularly.
- ▶ Service your air-conditioner annually.



Refrigerator

- ▶ Place your refrigerator away from any windows or heat sources.
- ▶ Ensure there is enough space around the unit for air circulation.
- ▶ Set to the recommended ideal temperature which is at 5°C.
- ▶ Ensure the gaskets are in good condition.
- ▶ Ensure everything in the unit is arranged in order to avoid excessive use of energy.
- ▶ Ensure that the door is properly closed after use.



Lamp

- ▶ Change to energy efficient light bulbs.
- ▶ Switch off the lights when you leave the room.
- ▶ Take advantage of natural lighting.
- ▶ Use timers/photocells/motion sensor switches/heat switches whenever possible.



Incandescent Lamp



Compact Fluorescent Lamp (CFL)



Light Emitting Diode (LED) Lamp