

SESI PENERANGAN PENETAPAN TARIFF ELEKTRIK DI SEMENANJUNG MALAYSIA

ENERGY EFFICIENCY PRACTISES

What action can we take to minimize the impact of tariff hikes

- ENERGY CONSERVATION IN INDUSTRY
- HOW TO SAVE ENERGY AT HOME



ENERGY CONSERVATION IN INDUSTRY



EFFICIENT MANAGEMENT OF ELECTRICAL ENERGY REGULATION 2008

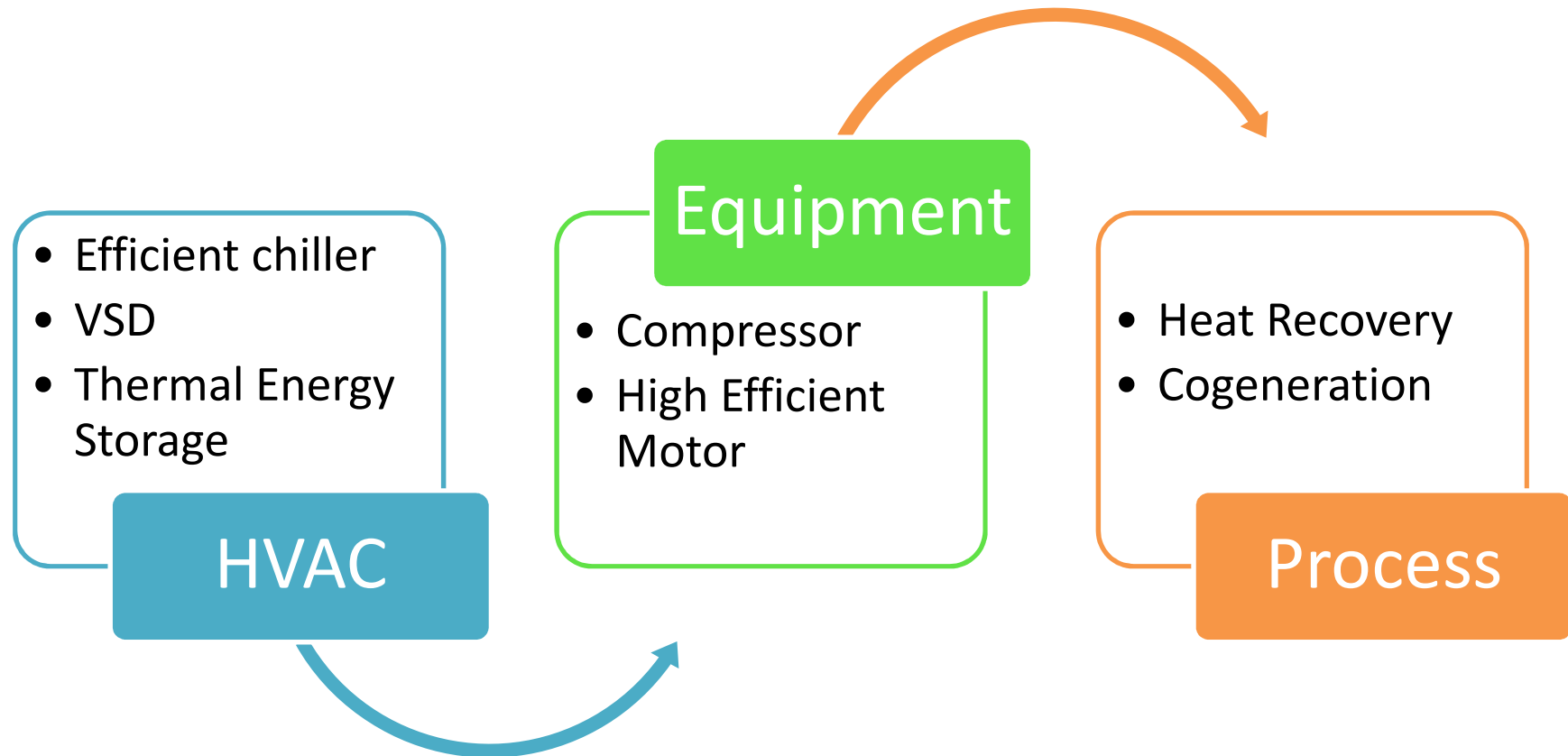


- Gazette on 15th December 2008
- Requires all installation consumed or generated electrical energy 3,000,000 kWh for 6 consecutive months to appoint Registered Electrical Energy Manager
- Come out with energy management objective and plan for the installation and to report to Energy Commission on the progress and achievement of the plan every 6 months.

Government has offered incentives to all company who wish to embark on energy efficiency projects in their installation

- To apply to MIDA and Energy Commission will evaluate the viability of the projects and proposed for approval
- Investment Tax Allowance, Pioneer Status , Sales Tax and Import Duty Exemption
- Valid until December 2015

TYPE OF PROJECTS TO BE CONSIDERED



Besides that, behavior change of the employee also can lead to savings

- Inter- department competition- goals and targets
- Incentives and rewards
- Effective commitments
- Leadership
- Establishment of energy Management team



HOW TO SAVE ENERGY AT HOME

Energy Saving

TIPS



Estimate your electricity bill

Appliances	Power (Watt)	Time usage(hour)	Total (Wh)
Refrigerator	700	24	16 800
Air Conditioner	4500	8	36 000
Television	120	4	480
Iron	1500	2	3000
		Total	56 280

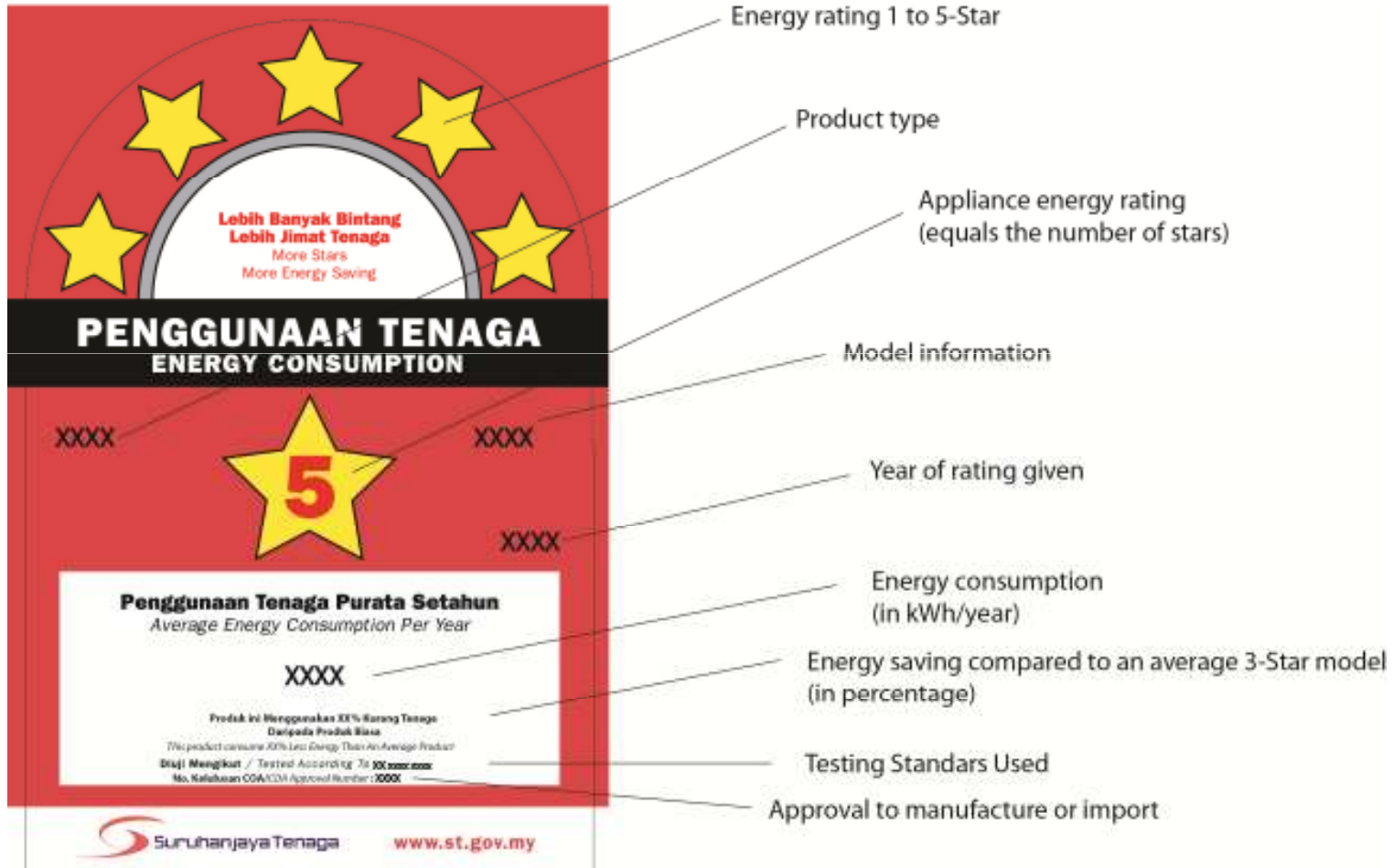
- $\text{Power (Watt)} \times \text{total consumption (hour)} / 1000 = \text{Total energy consumption in a day (kWh)}$
- * 1 kilowatt = 1000 Watt
- = 56.28 kWj X 0.23 cent
- = 12.94 x 30
- = RM 388.20

Purchase electrical appliances with higher star rating

- Beginning 3rd May 2013, appliances i.e television, air conditioner, fan and refrigerator must be affixed with energy label and must comply with Minimum Energy Performance Standards (MEPS)



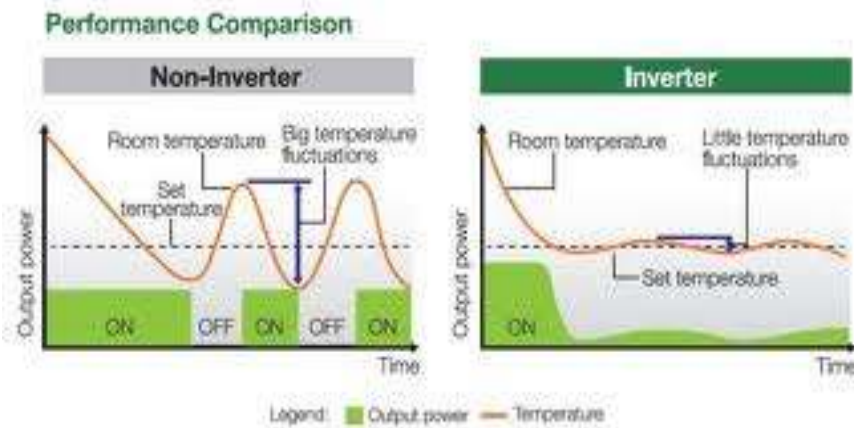
Energy Label



AIR CONDITIONER



- Set the temperature at 20°C to 24°C
- Make sure all windows and door are closed to avoid leakage
- Clean the filter regularly
- Service your air cod yearly



Comparison between conventional and inverter air conditioner

- *Saves energy up to 40%*

REFRIGERATOR



- Do not place your refrigerator near the window or heat source
- Make sure the back space are enough for air circulation
- Set the ideal temperature (5°C)
- Make sure the gasket are in good condition
- Make sure the food arrangement are in order

LAMP



- Change to efficient bulb
- Switch off the lights when go out from the room
- Make use of day lighting
- Use timer



CFL



LED

WASHING MACHINE



- Wash at full load
- Use optimum *setting* .If can, please avoid using hot water
- Dry you clothes under the sun



IRON



- Do ironing at large quantity at a time
- Fold your clothes immediately, it can avoid ironing

TELEVISION



- Switch off when not watching
- Avoid stand by
- Take off the plug



THANK YOU