



The 55th Meeting of APEC Expert Group Of Energy Efficiency & Conservation (EGEEC 55)

MALAYSIA

**Energy Efficiency And
Conservation Act (EECA)**





OVERVIEW OF EECA STRUCTURE

Part I PRELIMINARY

Part II FUNCTIONS & POWERS OF THE COMMISSION

Part III ENERGY EFFICIENCY AND CONSERVATION MEASURES

Ch 1: DESIGNATED ENERGY CONSUMERS

Ch 2: ENERGY EFFICIENCY FOR BUILDINGS

Ch 3: ENERGY-USING PRODUCTS

Part IV REGISTRATION

Part V INFORMATION GATHERING POWERS

Part VI ENFORCEMENT

Part VII GENERAL

Part VIII SAVINGS AND TRANSITIONAL



MANDATORY REQUIREMENTS

Designated Energy Consumers	Energy Efficiency for Buildings	Energy-using Products	Registration
<ul style="list-style-type: none"> • Appointment of registered energy manager 	<ul style="list-style-type: none"> • Building will be labelled with Building Energy Label (BEL). 	<ul style="list-style-type: none"> • Equipment / appliances need to meet minimum energy performance standard. 	<ul style="list-style-type: none"> • Registration of Registered Energy Manager
<ul style="list-style-type: none"> • Implementation of an energy management system 	<ul style="list-style-type: none"> • To comply with BEI requirement by a certain period –If don't comply need to do mandatory energy audit 	<ul style="list-style-type: none"> • For both industrial and domestic produce 	<ul style="list-style-type: none"> • Registration of Energy Auditor
<ul style="list-style-type: none"> • Periodic energy audit every 5 years 	<ul style="list-style-type: none"> • Implementation by Phase. 1st Phase is for Purpose Built Office 		
<ul style="list-style-type: none"> • Annual submission of Energy efficiency and conservation report 			<ul style="list-style-type: none"> • Registration of Training Institutions • Registration of manufacturer and importer of energy-using product



EECA BENEFITS

INDUSTRIES

- ❑ Reduction in energy consumption and energy bill
- ❑ Improve economic productivity with EE technologies and processes
- ❑ Registered Energy Manager (REM) to monitor their consumption and provide necessary suggestion to improve their efficiency according to their operations

BUILDINGS

- ❑ BEI Label will create awareness to building owner on energy consumption level
- ❑ Building with 5-star rating to be promoted as energy efficient building.

PRODUCT

- ❑ Improve quality of life - Wide range of energy efficient appliances for consumers to choose from
- ❑ Energy Efficient label will assist the consumers in choosing the right energy efficient appliances with the minimum energy consumption





IMPACTS OF EECA

1

EECA will strengthen the Regulatory Framework in Malaysia

2

Total savings by 2035 is 1,447 million GJ (401,944 GWh = 401.9 TWh) equivalent to RM71.24 billion (RM4.452 billion a year).

3

Increase number of Registered Energy Manager to 2790 (in house) from 1269 (to date).

4

Targeted number of New Energy Auditor is 500.

5

EECA will accelerate EE initiatives and implementation to reach the target to reduce 8% electricity consumption and GHG emission reduction

Thank You