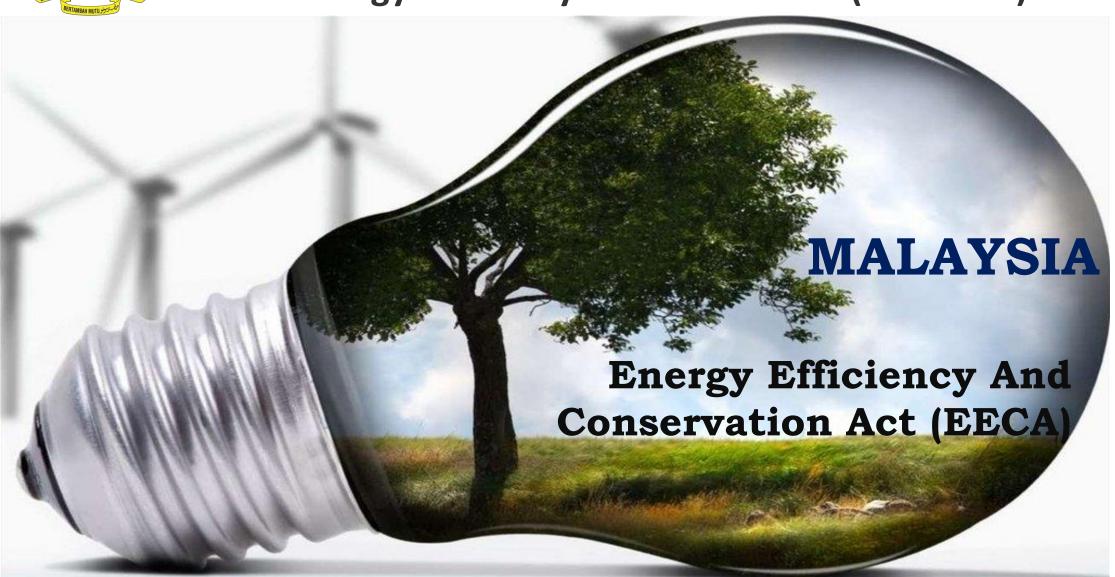


# The 55<sup>th</sup> Meeting of APEC Expert Group Of Energy Efficiency & Conservation (EGEEC 55)





# **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> <li>Appointment of registered energy manager</li> </ul>	<ul> <li>Building will be labelled with Building Energy Label (BEL).</li> </ul>	<ul> <li>Equipment / appliances need to meet minimum energy performance standard.</li> </ul>	<ul> <li>Registration of Registered Energy Manager</li> <li>Registration of Energy Auditor</li> <li>Registration of Training Institutions</li> <li>Registration of manufacturer and importer of energy-using product</li> </ul>
<ul> <li>Implementation of an energy management system</li> </ul>	<ul> <li>To comply with BEI requirement by a certain period –If don't comply need to do mandatory energy audit</li> </ul>	<ul> <li>For both industrial and domestic produce</li> </ul>	
<ul> <li>Periodic energy audit every 5 years</li> </ul>	<ul> <li>Implementation by Phase. 1<sup>st</sup> Phase is for Purpose Built Office</li> </ul>		
<ul> <li>Annual submission of Energy efficiency and conservation report</li> </ul>			



## **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

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

- Targeted number of New Energy Auditor is 500.
- EECA will accelerate EE initiatives and implementation to reach the target to reduce 8% electricity consumption and GHG emission reduction

Thank You