



# **ASEAN-JAPAN ENERGY EFFICIENCY PARTNERSHIP**

**[ECAP 20]**

Philippines Country Report



# I. Current status of development and implementation of BEC/GBC

- ❖ The GBC-IRR effectivity year of implementation was in **2016**
- ❖ A **Referral Code** of the National Building Code of the Philippines (Presidential Decree 1096)
- ❖ Implementer of GBC are the Local Government Unit Office of the Building Officials



## Section 10. Energy Efficiency

### 10.1 Building Envelope

- 10.1.1 Air Tightness and Moisture Protection
- 10.1.2 Glass Properties
- 10.1.3 Natural Ventilation
- 10.1.4 Building Envelope Color
- 10.1.5 Roof Insulation

### 10.2 Mechanical Systems

- 10.2.1 Air Conditioning System
- 10.2.2 Water Heating System
- 10.2.3 Variable Speed Drives and High Efficiency Motors
- 10.2.4 Enthalpy Recovery of Exhaust Air

### 10.3 Electrical Systems

- 10.3.1 Daylight Provision
- 10.3.2 Daylight Controlled Lighting System
- 10.3.3 Lighting Power Density
- 10.3.4 Occupancy Sensors for Lighting Control
- 10.3.5 Elevators and Escalators / Moving Ramps / Walkways
- 10.3.6 Transformer
- 10.3.7 Overhead or Elevated Water Storage

## Chapter II. GREEN BUILDING REQUIREMENTS

Section 9. Performance Standards

Section 10. Energy Efficiency

Section 11. Water Efficiency

Section 12. Material Sustainability

Section 13. Solid Waste Management

Section 14. Site Sustainability

Section 15. Indoor Environmental Quality



# I. Current status of development and implementation of BEC/GBC

## LGU's that implement GBC

- *Compliance prior to the issuance of construction Building Permit*
- *Fiscal Incentive (i.e., reduction Or Tax Break on Real Property Tax)*

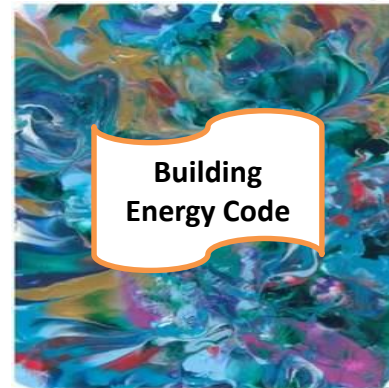
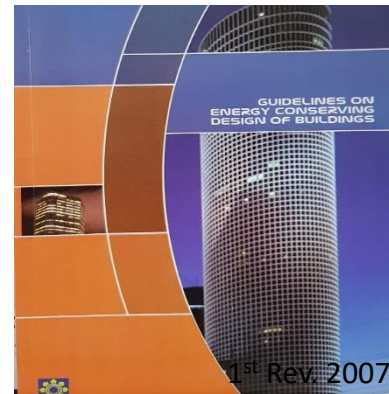
- Provincial Government of **Cebu**
  - **Ordinance No. 2014-02** – Implementing the Province of Cebu Green and Disaster-Resilient Building Program”
- City Government of **Mandaue**
  - **Ordinance No. 13-2015-1047**- The Green Building Ordinance of Mandaue City
- City Government of **Pasig**
  - **Ordinance No. 2016-06** – An Ordinance Establishing the Green Building of Pasig City
- City Government of **Davao**
  - **Ordinance No. 2018 – 02** – Establishing the Green Building Ordinance to be implemented by the Davao City Green Building authority
- City Government of **Quezon**
  - **Ordinance No. SP-1917** – The Green Building Ordinance of 2009
- City Government of **Mandaluyong**
  - **Ordinance No. 535, s. 2014** - Green Building Regulations of Mandaluyong City



Republic Act No. 11285  
**Energy Efficiency and  
Conservation Act**

April 12, 2019

Nationwide  
**Mandatory  
Implementation**



For revision in 2020

For development in 2020 under EU-ASEP Technical Assistance Program



## II. Proposals to refine the ASEAN Energy Award (AEA)

### INCREASE ENTRIES

- The Country through its appropriate Government Office (i.e., Ministry of Energy) must **adopt EE policy** that would include Renewable Energy Technology for own-use in combination with Energy Efficient Technologies to be able to increase ZEB Participants/Users;
- Increase promotion of ZEB as a new technological principles in new building construction, and in existing and retrofit buildings.





**Thank You.**

