

ZERO ENERGY BUILDING FACILITATION PROGRAM

NET ZERO ENERGY BUILDING (NZEB)
NEARLY ZERO ENERGY BUILDING (nZEB)
READY TO GO ZERO ENERGY (ZEB READY)

(Part of Low Carbon Building Facilitation Program by SEDA Malaysia)

Ready for ZEB
 Building that achieved minimum 50% saving by Energy Efficiency

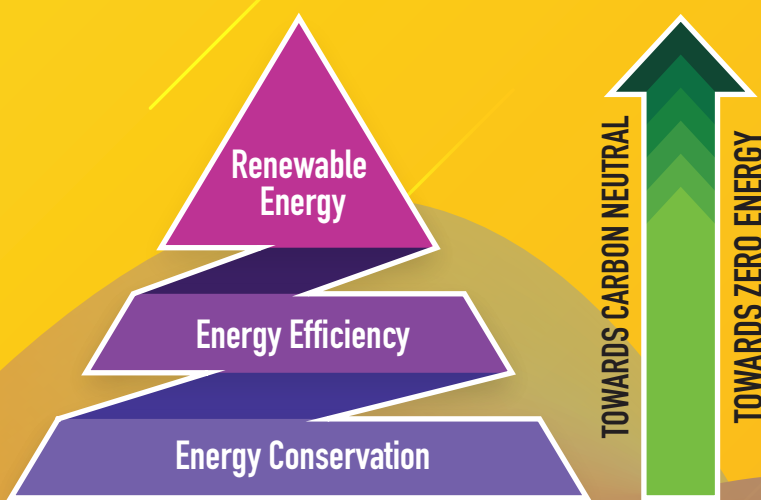
Nearly Zero Energy Building (nZEB) is an advance Low Carbon Building Initiatives that save 70% of energy or more by using EE and RE initiatives

Net Zero Building (NZEB) or Carbon Neutral Building (operational Carbon) that achieve 100% saving by using EE and RE initiatives

OBJECTIVE

To promote the adoption of super low carbon green building by using alternative method focusing purely on sustainable energy practices, starting with advance energy efficiency (EE) measures in reducing overall energy demand or consumption and offsetting the balance of minimum energy needed by using on-site renewable energy (RE).

$$\text{ZEB} = (\text{EE} + \text{RE}) \times \text{Sustainable Practices}$$



Level of Archivement (% of CO ₂ e Reduction)	Assesment Scheme for Buildings (diamonds)	ZEB Scheme
100% Carbon Neutral	◆◆◆◆◆◆◆◆◆◆	Net ZEB (NZEB)
≥ 70 to < 100	◆◆◆◆◆◆◆◆	Near ZEB (nZEB)
≥ 50 to < 70	◆◆◆◆◆◆◆	Ready for ZEB
≥ 30 to < 50	◆◆◆◆◆◆	
≥ 10 to < 30	◆◆◆◆◆	
≥ 1 to < 10	◆◆◆◆	

Assessment tool by SEDA Malaysia :
 Construction Industry Standard (CIS-20:2012) – GreenPASS developed by CIDB Malaysia



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