

TECHNICAL UPDATES.

1.0 Announcement on New Tools

Effective January 2024, all listed GreenRE Tools will be adapted to the updated version as follow:

- Existing Non-Residential v3.3
- Industrial Facilities v1.1
- Existing Industrial Facilities v1.1
- Residential Building & Landed Home v3.3
- Township v2.0
- Data Centre v1.1
- Healthcare v1.1
- Retail v1.0 (*New Toolkit-Restaurant Annex will be absorbed into this tool)

For Non-Residential Buildings, Non-Residential Building Tool v3.2 can be used until further notice. Non-Residential Building Tool v4.0 will be eligible for joint certification with MyCREST.

2.0 Update on the scoring for Artificial Lighting criteria for all tools

GreenRE has revised the scoring requirement for Artificial Lighting for all tools. the revision includes 50% saving to be achieved to claim for full credits. Kindly refer to the updated tool uploaded in GreenRE website.

For retail guideline,

- Baseline for the lighting power density revised as follow:

Retail Type	Baseline
General	≤ 15.0 W/m ²
Jewellery	≤ 35.0 W/m ²
Furniture, Clothing & Accessories, Cosmetic & Art	≤ 25.0 W/m ²
Supermarket, Vehicle, Sporting Goods, Stationary, & Hardware	≤ 20.0 W/m ²

- Pre-requisite requirement, 3) Lighting System Efficiency revised to the following:

Retail Type	Platinum	Gold
Retail (General)	≤ 7 W/m ²	≤ 10 W/m ²
Jewellery	≤ 19 W/m ²	≤ 23 W/m ²
Furniture, Clothing & Accessories, Cosmetic & Art	≤ 14 W/m ²	≤ 18 W/m ²
Supermarket, Vehicle, Sporting Goods, Stationary, & Hardware	≤ 11 W/m ²	≤ 15 W/m ²

3.0 Update on the Residential and Landed Building Home Guideline

Revised pre-requisite requirement for Air Conditioners and Mechanical Ceiling Fans

1. To be eligible for GreenRE Platinum rating

Option 1

To perform ventilation simulation modelling and achieve minimum 60% of the selected typical dwelling units with good natural ventilation by demonstrating a wind velocity of 0.40 m/s. Common areas like staircases and lobbies (excluding those that are in basement areas) are to be designed as naturally ventilated spaces.

Option 2

Achieve ≥ 16 credits under RES 1-2 (a) Option 2 (i) and (ii)

2. For provision of energy efficient cooling system 100% of air-conditioners and / or mechanical ceiling fans used in all dwelling units and common area must be energy labelled minimum Suruhanjaya Tenaga 3-star (or equivalent) and above.

3. For Gold and Platinum projects, prescribed system efficiency of air-conditioners used in all dwelling units and common areas must be energy labelled minimum Suruhanjaya Tenaga 5-star (or equivalent).

4. For Gold and Platinum projects, prescribed system efficiency of mechanical ceiling fans used in all dwelling units and common areas must be energy labelled minimum Suruhanjaya Tenaga 4-star (or equivalent) and above.

Note (1): Points scoring and fulfilment of pre-requisite for air-conditioners will be allowed in the following scenarios:

- Provided by developer for all dwelling spaces (i.e living room and bedrooms).
- Provided by developer in either living room or bedrooms AND inclusion in building user guide.
- Not provided by developer but included as obligation to purchaser as part of sales and purchase agreement AND inclusion in building user guide.

Fulfilment of pre-requisite for air-conditioners without point scoring:

- Included in building user guide for all dwelling spaces and common areas

Note (2): Points scoring and fulfilment of pre-requisite for mechanical ceiling fans will be allowed in the following scenarios:

- Provided by developer for all dwelling spaces (i.e living room and bedrooms).
- Provided by developer in either living room or bedrooms AND inclusion in building user guide. Points will be prorated based on dwelling spaces provided with mechanical ceiling fans by developer.

Fulfilment of pre-requisite for mechanical ceiling fan without point scoring:

- Included in building user guide for all dwelling spaces and common areas

RES 1-2 (Option 2(i)(a)): Air Flow within the Dwelling Units

With reference to MS 2680:2017, rooms having single window at just one wall for single-sided ventilation, the effective room depth must be less than 6m to be considered having true cross ventilation.

RES 4-4: Indoor Air Quality in Wet Areas

Open concept kitchen (Dining + Living) will not be considered as a natural ventilated space. Only partitioned kitchens with sufficient openable windows will be considered.

RES 6-1: Operational Carbon Calculation

Operational carbon calculation must include total residential unit consumption.

4.0 Building project registration with multi-phase completion

GreenRE will allow building project registration with multi-phase completion for site verification as follows:

- Individual registration to be submitted for every phase.
- Single Actual Assessment (AA) to be conducted for entire development (design must be ready for entire development).
- Assessment fee will be calculated based on total gross floor area (GFA) of development.
- Multiple Site Verification Assessment (SVA) shall be conducted based on completion of phases.