

# TOOLKIT UPDATES

## 1.0 BUILDING ENERGY INTENSITY CALCULATION – UPDATE

The calculation of Building Energy Intensity (BEI) must exclude contributions from renewable energy replacement.

For Existing Non-Residential Buildings (ENRB v3.3), the BEI benchmarking option for the prerequisite will be based on the Building Energy Intensity calculation excluding renewable energy replacement.

All revised tools will be made available on the GreenRE website.

## 2.0 RESIDENTIAL BUILDING AND LANDED HOME VERSION 3.3 - UPDATE

Point Scoring for Residential Landed (Individual Title) Developments:

### **RES 1-4: Artificial Lighting**

Points cannot be scored for non-gated and guarded developments as there is no common area to assess.

### **RES 1-9: Energy Use Intensity (EUI) for Common Areas**

No EUI requirements are applicable for common areas in this category.

### **RES 6-1(a): Operational Carbon Computation**

Only the operational carbon for the residential units needs to be calculated.

## 3.0 DATA CENTRE UPDATE OF PRE -REQUISITE REQUIREMENT UPDATE

Updated Prerequisite Requirements for GreenRE Gold and Platinum Certifications

GreenRE has updated the prerequisite requirements for data center projects seeking Gold and Platinum certifications to enhance energy efficiency and sustainability.

### **Energy Modelling**

Projects must utilize a computer simulation model to evaluate the energy performance of the proposed data center facility and its systems. PUE performance of the data center shall be determined using energy modelling software at the 25%, 50%, 70% and 100% of IT load for Gold and Platinum Rating and comply to the PUE stipulated in the PUE Curve above.

- **GreenRE Gold:**  
Projects must comply with specific PUE values at various IT load points (25%, 50%, 75%, and 100%).
- **GreenRE Platinum:**  
Projects must comply with specific PUE values at various IT load points (25%, 50%, 75%, and 100%).

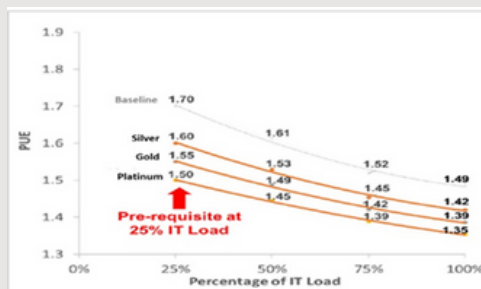


Figure 1. PUE Compliance Curve

For comprehensive details, including the specific PUE values and energy modeling requirements, please refer to the GreenRE New Data Centre Design Reference Guide, available on the official GreenRE website.

## 4.0 LIST OF GREEN FEATURES - UPDATE

GreenRE has reviewed and updated the list of green features eligible for certification. Effective immediately, the following features will no longer be accepted as Green Features:

- **Precast Culvert Drain**
- **Steel with Recycled Content in Rebar**
- **Aluminium Recycled Content in Window and Door Frames**
- **Indoor Air Quality Audit for Residential Developments**
- **Virtual Show Gallery**
- **ESG Reporting**
- **No Plastic Campaign During Construction**

These updates aim to align with current sustainability practices and industry standards.