

PGBC Zero Carbon Charter 2007

Higher Energy Efficiency (E²), Better Air Quality (AQ)



1. E²: Planning

Plan neighbourhoods that are transit-oriented, pedestrian friendly to promote walking and energy efficient lifestyle.

Adopt designs that help improve urban climate (UC) and greenery to mitigate urban heat island (UHI) effect.

2. E²: Building

Optimize building energy efficiency through spatial planning, built form & orientation, building envelope design and material choice.

Integrate passive architectural strategies and features for optimal natural ventilation and daylight potential.

3. E²: Systems

Adopt energy efficient fluorescent lamps with electronic ballasts and effective/innovative energy efficient building services systems.

Use of renewable energy (RE) technology to reduce reliance on fossil fuel energy use.

4. E²: Appliances

Specify energy efficient appliances with energy labels under Energy Efficiency Labelling Schemes.

Apply energy meter(s) for monitoring the energy use of major systems.

5. E²: DSM

Implement demand side management (DSM) to reduce electricity consumption during peak periods and shift electricity consumption from peak periods to off-peak periods.

Achieve higher levels of building energy performance to reduce annual energy consumption above the recognized local standards.