GREENRE PROJECT INFO SHEET – NON-RESIDENTIAL BUILDING

Building(s) Information:

Building name	
Reference No	
Address	
GreenRE Version	
Type of Building	Office/Hotel/Retail/Mixed Development*
GFA (m^2)	

Building(s) Key Performance Data (Passive System):

Building OTTV	**W/m^2**
Total Glass Area	**m^2**
Total Wall Area	
Window to wall ration (WWR)	
Glass U-value	
Glass SC value	
Ratio of Naturally Ventilated to Air-conditioned area (GFA exc. Carpark)	

Building(s) Key Performance Data (Active Systems):

Type of A/C systems (Please Specify) (e.g centralized water cooled, centralized air-cooled, multi-split, unitary etc.)	
Air-conditioned floor Area	**m^2**
Total Installed Cooling Capacity	**RT**
Building(s) cooling load (Average based on operation time as stipulated in Table 1a)	**RT**
Building(s) cooling load (Daytime operation, as stipulated in Table 1b) *(if info available , optional field to be filled in for version 3.1 and earlier)*	**RT**

Building(s) cooling load (Night time operation, as stipulated in Table 1b) *(if info available , optional field to be filled in for version 3.1 and earlier)*	**RT**
Specific cooling load (use aircon area, and Building cooling load average above) [A]	**W/m²**
Specific cooling load (use aircon area) [B] $[B] = \dfrac{3517}{[A]}$	**m²/ton**
Specific lighting Load (use GFA)	**W/m2**
Specific plug Loads (use GFA)	**W/m2**
Specific lighting and plug Loads (use GFA, summation of above)	**W/m2**
Air-conditioning system efficiency (Overall Chiller plant/ VRF/ Unitary system, including compressors, pumps and condenser fans' power consumption) (Average based on operation time as stipulated in Table 1a)	**kW/RT**
Air-conditioning system air distribution efficiency (Average based on operation time as stipulated in Table 1a) *(if info available, optional field to be filled in for version 3.1 and earlier)*	**kW/RT**
Total Building Energy Consumption* [C]= [E] + [F] (Calculated / Actual (from bills) annual electrical consumption [E]: _____ kWh/yr + Renewable Energy Generation [F]: _____ kWh/yr, if renewable energy is directly feeding to the building) [H] = [F] if all renewable generated is directly feed to the building consumption.	**kWh/yr**
Energy savings * (include total renewable energy) [G]	**kWh/yr**
Percentage energy savings (include renewable energy) [G]/{[E]+[G]}	
Energy **E**fficiency **I**ndex (Actual) (Based on Operating Hours = ___hr/wk)	**kWh/m²/yr**
Energy **E**fficiency **I**ndex (Normalised) • Normalised to 55hrs unless otherwise stated.	

• Adjusted if occupancy rate is <80% occupied.	**kWh/m²/yr**
Total Renewable energy generation [H] [H] = [F] if all renewable generated is directly feed to the building consumption.	**kWh/yr**
Percentage replacement of building electricity consumption replaced by renewable energy [H]/[C]	**%**
Calculated or actual energy savings from baseline Calculated operational carbon reduction (tCO2eq) – energy savings from baseline * conversion factor# (Baselines as stipulated in Table 1c)	**kWh/yr** **tCO2eq**

* Information relevant to Gold and Platinum Projects only.
 # Peninsula 0.694 kgCO2eq / kWh, Sabah 0.536 kgCO2eq / kWh, Sarawak 0.699 kgCO2eq / kWh

Building(s) Key Performance Data (Water):

% replacement of water fittings with water efficient fittings (WEPLS / WELS)	%
Size of rainwater harvesting tank (m³)	m³
% replacement of outdoor water use with rainwater collected	**%**

Building(s) Key Performance Data (Environmental Protection):

Building Concrete Usage Index (CUI)	**m³/m²**
% replacement of OPC	**%**
Calculated embodied carbon for project (optional if carbon calculation is performed)	**tCO2eq**
No. of hybrid / electric vehicle lots No. of bicycle parking lots	

Table 1a:

Building Type	Operational Hours
Office Buildings	Monday to Friday 9 a.m. to 6 p.m.
Retail Malls	Monday to Sunday 10 a.m. to 10 p.m.
Hotels	Monday to Sunday 24 Hours
Other Building Types	To be determined based on operating hours. Please specify:

Table 1b:

Building Type	Daytime Operational Hours	Night time Operational Hours
Hotels	Monday to Sunday 7a.m. to 11p.m.	Monday to Sunday 11p.m. to 7a.m.
Other Building Types	To be determined based on <u>actual</u> operation. Please specify:	To be determined based on actual operation. Please specify:

Table 1c:

Building Type	Energy baseline (kWh/yr)
Office Buildings	
Retail Malls	
Hotels	
Other Building Types	