

## Template for Evidence(s) UI GreenMetric Questionnaire

University : Universiti Malaysia Pahang  
Country : Malaysia  
Web Address : <http://www.ump.edu.my/> and <http://mygreen.ump.edu.my/>

### [2] Energy and Climate Change (EC)

#### [2.11] Please provide total carbon footprint

#### UMP Electricity Carbon Footprint 2022 (Sept 2021 - Aug 2022)

Location	Unit / Year	CO2 (Tonn)
Electricity	18,296,936.52kwh	11,691.74
Bus	2 bus	0.03
Car	550 cars	132
Motorcycle	256 motorcycle	8
Total		11,831.77

12,698.07 metric tons: 18,296,936.52 kWh of electricity at 0.639 kgCO<sub>2</sub>e/kWh

We are using based on 0.639 kgCO<sub>2</sub> Coefficient factor for Malaysia Peninsular

#### Description:

As developing campuses, UMP facing slight of increasing of electricity usage, due to construction works inside the campus. There is still on development building and the numbers of people in UMP keep on increasing toward of the development occurs. Every building need electricity, that the fact that can't deny, due to this factors UMP will facing slight increment of electricity bills monthly.

By the end of 2022, the installation of the solar system is expected to begin at UMP Pekan. 3.58MW solar will be installed on the roof top of the UMP Pekan buildings. Electricity generation from solar is expected to be up to 4,467,117 kWh per year.