



Template for Evidence(s) UI GreenMetric Questionnaire

University : University of Al-Qadisiyah
Country : Iraq
Web Address : <http://qu.edu.iq/>

[2] Energy and Climate Change (EC)

[2.11] Please Provide The Total Carbon Footprint (CO₂ emission in the last 12 months, in metric tons)

Option 2: Recommended by UI GreenMetric

CO₂ (electricity)

$$= \frac{\text{electricity usage per year (kWh)}}{1000} \times 0,84$$
$$= \frac{299,000 \text{ kWh}}{1000} \times 0,84$$

= 251.16 metric tons

CO₂ (bus)

$$= \frac{\text{number of shuttle bus in your university} \times \text{total trips for shuttle bus service each day} \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,01$$
$$= \frac{12 \times 100 \times 5 \times 240}{100} \times 0,01$$

= 144 metric tons

CO₂ (cars)

$$= \frac{\text{number of cars entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,02$$
$$= \frac{1,000 \times 2 \times 2 \times 240}{100} \times 0,02$$

= 192 metric tons

CO₂ (total)

$$= 251.16 + 144 + 192$$

= 623.16 metric tons

Carbon footprint in 2019=587.16 metric tons

Example of Total Carbon Footprint (UI GreenMetric)

Additional evidence link: