University : Al –Nahrain University
Country : Iraq
Web Address : https://nahrainuniv.edu.iq/

[2] Energy & Climate Change (EC)

[2.11] Please provide the total carbon footprint (CO2 emission in the last 12 months, in metric tons)

CO_2 (electricity)

$$= \frac{electricity\ usage\ per\ year\ (kWh)}{1000} \times 0.84$$

=(7559973 kW/1000)*0.84
=6,350.43 metric tons

CO_2 (bus)

$$= \frac{number\ of\ shuttle\ bus\ in\ your\ university \times total\ trips\ for\ shuttle\ bus\ service\ each\ day \times approximate\ travel\ distance\ of\ vehicle\ each\ day\ inside\ campus\ only\ (KM) \times 240}{100} \times 0.01$$

=((17*2*2 km*240)/100)*0.01
=(16320/100)*0.01
=1,63 metric tons

CO_2 (cars)

$$= \frac{\text{number of cars entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0.02$$

=((485*2*2 km*240)/100)*0.02
=(465600/100)*0.02
=93 metric tons

CO_2 (motorcycle)

$$= \frac{\text{number of motorcycle entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0.01$$

=((1*2*2 km*240)/100)*0.01
=(960/100)*0.01
=0,096 metric tons

CO_2 (total)

$= 6{,}350.43 + 1{,}63 + \mathbf{93} + \mathbf{0{,}096}$
$= 6{,}445.156$ metric tons

Carbon footprint in 2025 = 6,445.156 metric tons