

University : Al –Nahrain University

Country : Iraq

The total carbon footprint (CO2 emission in the last 12 months, in metric tons)

CO₂ (electricity) $= \frac{electricity\ usage\ per\ year\ (kWh)}{2} \times 0.84$ 1000 =(7559973 kW/1000)*0.84=6,350.43 metric tons CO₂ (bus) $= \frac{number\ of\ shuttle\ bus\ in\ your\ university\times total\ trips\ for\ shuttle\ bus\ service\ each\ day\times approximate\ travel\ distance\ of\ vehicle\ each\ day\ inside\ campus\ only\ (KM)\times 240}{\times 0.01} \times 0.01$ =((20*2*2 km*240)/100)*0.01=(19200/100)*0.01=1,92 metric tons CO₂ (cars) $= \frac{1}{\text{number of cars entering your university}} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240 \times 0.02$ =((250*2*2 km*240)/100)*0.02 =(240000/100)*0.02 **=48** metric tons CO₂ (motorcycle) $= \frac{\text{number of motorcycle entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{\text{motorcycle entering your university}} \times 0.01$ =((10*2*2 km*240)/100)*0.01 =(9600/100)*0.01 =0,96 metric tons CO₂ (total) = 6.350.43 + 1.92 + 48 + 0.96= 6,398.43 metric tons **Carbon footprint in 2022** = 6,398.43 metric tons