

## **Energy and Climate Change**

## **Total Carbon Footprint Report 2023-2024**

(CO<sub>2</sub> emission in the last 12 months, Scope 1 and Scope 2, in metric tons)

```
Scope 1:
CO2 (electricity)
   electricity usage per year \frac{(kWh)}{} × 0,84
                   1000
   \frac{11000000\,kWh}{\times}\times0.84
       1000
 = <mark>924 metric tons</mark>
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}{	imes 0.01}
   \frac{0\times0\times1.4\times240}{200}\times0.01
        100
= 0 metric tons
CO<sub>2</sub> (cars)
= number of cars entering your university \times 2 \times approximate travel distance of vehicle each day inside campus only (KM) \times 240 \times 0.02
   \frac{300 \times 2 \times 1.4 \times 240}{100} \times 0.02
40.32 metric tons
CO<sub>2</sub> (motorcycle)
   number of motorcycle entering your university \times 2 \times approximate travel distance of vehicle each day inside campus only (KM) \times240 \times 0,01
   \frac{0\times0\times1.4\times240}{\cdot}\times0.01
          100
= 0 metric tons
Scope 2
CO<sub>2</sub> (electricity)
   electricity usage per year (kWh) \times 0.84
   \frac{11000000 \, kWh}{\times} \times 0.84
        1000
  = 924 metric tons
Total Scope1 +Scope 2: CO2 (total)
    Carbon footprint in 2023-2024= = 924+0+40.32+0
    = 964.32 metric tons
                                     Total Carbon Footprint at (Jadara University, Jordan )2023-2024
```

## Carbon footprint in2023-2024 = 964.32metric tons

The total carbon footprint divided by total campus population (metric tons per person). Formula: 964.32/4680 (Population) = 0.206 metric tons per person

Remarks: -No shuttle buses inside campus (not applicable) and no motorcycles available -Number of Cars entering campus: (100 car + 4 service cars owned by Jadara University = 104 cars only)-Minimizing Parking cars inside campus and reducing CO2 emission programs is applied restrictly.