



The Total Carbon Footprint (CO₂ emission in the last 12 months, in metric tons)

CO₂ (electricity)

$$\begin{aligned} &= \frac{\text{electricity usage per year (kWh)}}{1000} \times 0,84 \\ &= \frac{1246585 \text{ kWh}}{1000} \times 0,84 \\ &= 1047.1314 \text{ metric tons} \end{aligned}$$

CO₂ (cars)

$$\begin{aligned} &= \frac{\text{number of cars entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,02 \\ &= \frac{105 \times 2 \times 1 \times 240}{100} \times 0,02 \\ &= 10.08 \text{ metric tons} \end{aligned}$$

CO₂ (total)

$$\begin{aligned} &= 1047.1314 + 10.08 \\ &= 1057.2114 \text{ metric tons} \end{aligned}$$

Carbon footprint in 2022 = 1057.2114 metric tons

Description:

Carbon footprint in 2022 = 1057.2114 metric tons



Carbon Footprint report 2023

The Total Carbon Footprint (CO₂ emission in the last 12 months, in metric tons)

CO₂ (electricity)

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

$$= \frac{2016830 \text{ kWh}}{1000} \times 0,84$$

$$= 1694.1372 \text{ metric tons}$$

Notes: 0.84 is the coefficient to convert kWh to metric tons (source: <https://www.carbonfootprint.com/>)

CO₂ (cars)

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

$$= \frac{78 \times 2 \times 0.3 \times 240}{100} \times 0,02$$

$$= 2.25 \text{ metric tons}$$

Notes: 0.02 is the coefficient (source: www.carbonfootprint.com) to calculate the emission in metric tons per 100 km car

240 is the number of working days per year

CO₂ (total)

$$= 1694.1372 + 2.25$$

$$= 1696.3872 \text{ metric tons}$$

Carbon footprint in 2023 = 1696.3872 metric tons

Description:

Carbon footprint in 2023 = 1696.3872 metric tons



Carbon Footprint report 2024

The Total Carbon Footprint (CO₂ emission in the last 12 months, in metric tons)

CO₂ (electricity)

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

$$= \frac{1211662 \text{ kWh}}{1000} \times 0,84$$

$$= 1017.8 \text{ metric tons}$$

Notes: 0.84 is the coefficient to convert kWh to metric tons (source: <https://www.carbonfootprint.com/>)

CO₂ (cars)

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

$$= \frac{78 \times 2 \times 0.3 \times 240}{100} \times 0,02$$

$$= 2.25 \text{ metric tons}$$

Notes: 0.02 is the coefficient (source: www.carbonfootprint.com) to calculate the emission in metric tons per 100 km car

240 is the number of working days per year

CO₂ (total)

$$= 1017.8 + 2.25 = 1020.05$$

$$= 1020.05 \text{ metric tons}$$

Carbon footprint in 2024 = 1020.05 metric tons

Description:

Carbon footprint in 2024 = 1020.05 metric tons