



KTMU

Total Carbon Footprint

University : Kyrgyz-Turkish Manas University
Country : Kyrgyz Republic
Web Address : www.manas.edu.kg

[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 (bus)

$$= \frac{\text{number of shuttle bus in your university} \times \text{total trips for shuttle bus service each day} \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,01$$
$$= \frac{1 \times 12 \times 1 \times 240}{100} \times 0.01$$
$$= 0.288 \text{ metric tons}$$

CO₂ (cars)

$$= \frac{\text{number of cars entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,02$$
$$= \frac{450 \times 2 \times 1 \times 240}{100} \times 0.02$$
$$= 43.2 \text{ metric tons}$$

CO₂ (motorcycle)

$$= \frac{\text{number of motorcycle entering your university} \times 2 \times \text{approximate travel distance of vehicle each day inside campus only (KM)} \times 240}{100} \times 0,01$$
$$= \frac{2 \times 2 \times 1 \times 240}{100} \times 0.01$$
$$= 0.096 \text{ metric tons}$$

CO₂ (total)

$$= 0.288 + 43.2 + 0.096$$
$$= 43,584 \text{ metric tons}$$

Carbon footprint in 2021 = 43.584 metric tons

Description:

Electricity which used in campus are produced in Hydroelectric Power Station in Kyrgyz Republic.

Additional evidence link: