

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

Carbon footprint in 2024-2025

(Source: www.carbonfootprint.com)

Option 2: Recommended by UI GreenMetric

CO₂ (electricity)

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

$$= \frac{2\,913\,681\text{ kWh}}{1000} \times 0,84$$

$$= 2447,5 \text{ metric tons}$$

CO₂ (bus)

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

$$= \frac{16 \times 1 \times 3 \times 240}{100} \times 0,01$$

$$= 1,152 \text{ metric tons}$$

CO₂ (cars)

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

$$= \frac{120 \times 2 \times 3 \times 240}{100} \times 0,02$$

$$= 34.56 \text{ metric tons}$$

CO₂ (motorcycle)

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

$$= \frac{0 \times 2 \times 3 \times 240}{100} \times 0,01$$

$$= 0 \text{ metric tons}$$

CO₂ (total)

$$= 2447.5 + 1.152 + 34.56 + 0$$

$$= 2483.212 \text{ metric tons}$$

Carbon footprint in 2024-2025 = 2483.212 metric tons

Total Carbon Footprint (Auezov University)

Description:

Due to the fact that the number of buses, cars, and motorcycles used at the M.Auezov South-Kazakhstan University is small, the total carbon footprint is small.

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):

<https://green.auezov.edu.kz/en>

**Provide the same figure for a baseline year: Provide The Total Carbon Footprint
(CO2 emission in the last 12 months, in metric tons)
(Source: www.carbonfootprint.com)**

Option 2: Recommended by UI GreenMetric

2020 year

CO₂ (electricity)

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

$$= \frac{4,264,556 \text{ kWh}}{1000} \times 0,84$$

$$= 3,582.227 \text{ metric tons}$$

CO₂ (bus)

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

$$= \frac{0 \times 0 \times 3 \times 240}{100} \times 0,01$$

$$= 0 \text{ metric tons}$$

CO₂ (cars)

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

$$= \frac{100 \times 2 \times 3 \times 240}{100} \times 0,02$$

$$= 28.8 \text{ metric tons}$$

CO₂ (motorcycle)

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

$$= \frac{0 \times 2 \times 3 \times 240}{100} \times 0,01$$

$$= 0 \text{ metric tons}$$

CO₂ (total)

$$= 3,582.227 + 0 + 28.8 + 0$$

$$= 3,611.027 \text{ metric tons}$$

$$\text{Carbon footprint in 2020} = 3,611.027 \text{ metric tons}$$

Total Carbon Footprint in 2020 (Auezov University)

Description:

Due to the fact that the number of buses, cars, and motorcycles used at the M.Auezov South-Kazakhstan University is small, the total carbon footprint is small.