

Calculul emisiilor de CO₂- Universitatea din Oradea pentru anul 2023

Calculation of CO₂ emissions - University of Oradea for the year 2023

Emisii directe (scop 1)/Direct emissions (aim 1)

Gaz Natural/ Natural Gas

$$1.752,8 \text{ mc} \times 1,9141 \text{ kg CO}_2/\text{mc} = 30.152,43448 \text{ kg CO}_2$$

Benzina/ Gasoline

$$1.116,17 \text{ litri} \times 2,30 \text{ kg CO}_2/\text{litru} = 2.567,191 \text{ kg CO}_2$$

Motorina/ Diesel fuel

$$10.447.31 \text{ litri} \times 2,6533 \text{ kg CO}_2/\text{litru} = 27.719,847623 \text{ kg CO}_2$$

Total emisii directe/ Total direct emissions

60.439,473103 kg CO₂

Emisii indirecte (scop 2)/ Indirect emissions (goal 2)

Energie electrica cumparata / Purchased electricity

$$1.928.393 \text{ kWh} \times 0,547 \text{ kg CO}_2/\text{kWh} = 1.054.830,971 \text{ kg CO}_2$$

Energie termica cumparata / Thermal energy purchased

$$1.907.160,17778 \text{ kWh} \times 0,24 = 457.718,4426672 \text{ kg CO}_2$$

Total emisii indirecte / Total indirect emissions

1.512.549,4136672 kg CO₂