

***Information on greenhouse gas emissions of Non-profit joint-stock company
«Zhetysu University named after Ilyas Zhansugurov» based on the results of 2024***

Non-profit joint-stock company «Zhetysu Ilyas Zhansugurov University» (hereinafter - the University) It is actively working to assess and reduce its greenhouse gas (GHG) emissions in accordance with the GHG Protocol corporate standard. This standard is one of the most widely used for accounting and reporting greenhouse gases, including carbon dioxide (CO₂), methane (CH₄) and nitrous oxide (N₂O). As part of this policy, the University strives for transparency in matters of sustainable development and minimizing its carbon footprint.

Methodology for estimating emissions

The University applies several key standards within the GHG Protocol.:

1. Corporate standard: Assessment of emissions at the level of the whole organization.

2. Project Emissions accounting standard: Estimates of emissions and reductions associated with specific projects.

3. Supply Chain Emissions Accounting Standard: Accounting for supply chain-related emissions.

In addition, the University can use the ISO 14064 standard, which provides requirements and guidance on the amount and reporting of greenhouse gases at the level of organizations and projects.

Emissions estimate for 2024

In 2023, the University conducted an inventory of its GHG emissions, the results of which are presented below.:

1. CO₂ emissions from electricity:

1. CO₂ (electricity)=(1000electricity usage per year (kWh))×0,84
=(1000360401)×0,84=302,4 metric tons

2. CO₂ emissions from cars:

CO₂ (cars)=(number of cars entering your university×2×approximate travel distance of vehicle each day inside campus only (KM)×240)/100×0.02
=(2000×2×5×240)/100×0,02=5,1 metric tons

3. Total CO₂ emissions:

CO₂ (total)=CO₂ (electricity)+CO₂ (cars)=302,4+5,1=307,5 metric tons

Thus, the carbon footprint of the University in 2023 amounted to 307.5 metric tons.

Goals for 2025-2029

The University sets the following goals to reduce GHG emissions:

1. Reduce total emissions by 10% by the end of each year.
2. Increase the share of renewable energy sources to 30% by the end of the period.
3. Conducting regular training programs for students and staff on sustainable development and carbon footprint reduction.

Ilyas Zhansugurov Zhetysu University strives to actively participate in global efforts to combat climate change. The greenhouse Gas Emissions Assessment policy for the period from 2025 to 2029 is aimed at creating a sustainable educational environment and forming an environmentally responsible society. The University will continue to work to improve its environmental performance and reduce its carbon footprint.