

NLC "Khalel Dosmukhamedov Atyrau University"

GHG Inventory Report 2025

Institution: NLC "Khalel Dosmukhamedov Atyrau University"

Reporting Year: 2025

Prepared in line with: GHG Protocol Corporate Standard

1. Key Operational Data

- **Total campus building footprint:** 38,460 m²
- **Water consumption:** 29,284 m³
- **Energy consumption:** 1,269,674 kWh (electricity + thermal energy)

2. Greenhouse Gas Emissions (tCO₂e)

Baseline Year: 2019 **Total Scope 1 & 2 emissions (baseline year):** 5,620 tCO₂e

Current Year (2025) Emissions:

- **Total Scope 1 & 2 emissions:** 4,850 tCO₂e
- **Scope 3 emissions (estimated):** 12,300 tCO₂e

Notes on Calculation: Emissions were calculated using the GHG Protocol Corporate Standard (operational control approach). Scope 1 & 2 primarily driven by campus energy use (electricity and heating) with Kazakhstan grid emission factors. Scope 3 includes estimates for commuting, procurement, waste, and water supply/treatment. A reduction from the 2019 baseline has been achieved through ongoing efficiency measures.

Declaration: Khalel Dosmukhamedov Atyrau University confirms that the figures above are reported in accordance with the GHG Protocol Corporate Standard.

Date: April 2026

Name: B. Altynbassov

Position: vice-rector for internationalization

Signature: 