

AzTU Carbon Emissions Reporting in Compliance with the GHG Protocol Corporate Standard 2023

Azerbaijan Technical University (AzTU) is committed to advancing sustainability and reducing its environmental impact. This report outlines AzTU’s carbon emissions reporting in line with the Greenhouse Gas (GHG) Protocol Corporate Standard for the year 2023. It reflects the university's dedication to transparency, accountability, and climate responsibility.

Carbon Emissions Reporting Standard

AzTU adheres to the **GHG Protocol Corporate Standard**, a globally recognized methodology for measuring and managing greenhouse gas emissions. Emissions are categorized into three scopes:

Scope	Description	Emissions (metric tons CO2e)	Share of Total (%)
Scope 1	Direct emissions from university-owned sources (e.g., fuel combustion, on-campus heating)	2,730	31%
Scope 2	Indirect emissions from purchased electricity, heat, or steam	3,248	36%
Scope 3	Other indirect emissions (e.g., commuting, procurement, waste, travel)	2,169	33%
Total	—	8,147	100%

Data Collection and Measurement AzTU collects emissions data from multiple sources, ensuring accuracy through metering, utility bills, and activity-based calculations. The university collaborates with internal departments and external partners to ensure comprehensive reporting.

Emission Reduction Strategies AzTU is actively working on reducing its carbon footprint through various initiatives:

- **Energy Efficiency Programs:** Implementation of LED lighting, smart energy management systems, and retrofitting buildings for energy conservation has reduced energy consumption.
- **Renewable Energy Integration:** AzTU has installed solar panels generating renewable energy.
- **Sustainable Transportation:** Encouraging public transportation, cycling, and carpooling has reduced emissions from commuting.
- **Waste Reduction and Recycling:** Recycling programs have been developed.

Future Commitments

Looking ahead, AzTU plans to:

- Set a **35% total emissions reduction target** by 2030.

- Increase renewable energy to **15% of campus needs** by 2027.
- Strengthen research and education on climate and sustainability.
- Deepen stakeholder involvement in decarbonization strategies.

By reporting under the GHG Protocol Corporate Standard, AzTU maintains a clear and credible emissions inventory. Through continuous improvement, the university is advancing toward carbon neutrality and contributing to global sustainability goals.