Template for Evidence(s)
UI GreenMetric Questionnaire

University : Andijan State Institute of Foreign languages
Country : Uzbekistan
Web Address : www.adchti.uz

[2] Energy and Climate Change (EC)

[2.1] Energy Efficient Appliances Usage (EC.1)

Example of Energy Efficient Appliances Usage: Use of LED lighting and lamps with light detection

Example of Energy Efficient Appliances Usage: Solar absorption Air Conditioning system (ASIFL)

Description:

Appliance	Total Number	Total number energy Efficient appliances	Percentage
Led lamp	**4,500**	**4,500**	**100%**
Fan	**50**	**10**	**40%**
Etc.	**122**	**30**	**25%**
		Averaga percentage	**48.3%**

In 2025, Andijan State Institute of Foreign Languages (ASIFL) continued implementing its institutional energy management strategy aimed at reducing electricity consumption and minimizing greenhouse gas emissions. The university has prioritized the gradual replacement of conventional electrical appliances with energy-efficient alternatives as part of its broader climate action policy.

Implementation and Monitoring

The institute has achieved full LED lighting coverage across academic buildings, administrative offices, corridors, and student facilities. The transition to 4,500 LED lamps (100% conversion rate) significantly reduces electricity demand compared to traditional incandescent or fluorescent lighting systems.Although only 20% of fans and 25% of other electrical equipment currently meet energy efficiency standards, the Institute has developed a phased modernization plan (2025–2028) to increase the overall efficiency ratio to at least 75%.

Energy monitoring is conducted through:

- Periodic internal energy audits
- Building-level electricity consumption tracking
- Preventive maintenance of electrical systems
- Gradual procurement of certified energy-efficient equipment

The Institute encourages departments to evaluate their energy-saving potential through insulation improvements, optimized ventilation, and deployment of sustainable technologies.

Environmental Impact

The transition to LED lighting alone contributes to:

- Reduction of electricity consumption by up to 50–70% compared to traditional bulbs
- Decrease in carbon emissions associated with grid electricity use
- Lower operational costs
- Extended appliance lifespan, reducing material waste

These measures directly support Uzbekistan’s national energy efficiency agenda and global climate mitigation goals.

Contribution to Sustainable Development Goals (SDGs)

ASIFL’s energy efficiency strategy contributes to the following SDGs:

SDG 7 – Affordable and Clean Energy

The complete replacement of conventional lamps with LED systems ensures reduced electricity demand and promotes energy-efficient infrastructure within the campus.

SDG 12 – Responsible Consumption and Production

By increasing the share of energy-efficient appliances (currently 48.3%), the Institute promotes sustainable procurement policies and resource optimization.

SDG 13 – Climate Action

Reduced electricity consumption directly lowers institutional carbon footprint and supports climate mitigation efforts.

SDG 11 – Sustainable Cities and Communities

Energy-efficient campus management contributes to environmentally sustainable urban development in Andijan.

– Quality Education
By embedding sustainability practices into campus operations, the Institute provides students with a living model of environmental responsibility and green institutional governance.
Future Targets (2026–2028)
The Institute plans to:

- Increase overall energy-efficient appliance usage from 48.3% to 75%
- Expand smart energy monitoring systems
- Introduce motion-sensor lighting in selected buildings
- Integrate renewable energy technologies where feasible

Additional evidence link (i.e., for videos, more images, or other files that are not included in this file):
https://green-institute.adchti.uz/

https://green-institute.adchti.uz/#energy