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)

[2.8] Ratio of renewable energy production divided by total energy usage per year (EC.5)

Clean Biomass System

Biomass Pellet Vacuum Boilers for Heating

Roof and Façade Mounted Solar Panels

Description:

No	Renewable Energy Source	Production (kWh/year)
1	Solar Power	**25,000**
2	Clean Biomass	**15,000**
	Total	**40,000**

40,000 / 840,000 (Electricity usage) × 100 = 4.76%

Andijan State Institute of Foreign Languages is actively integrating renewable energy solutions into its campus infrastructure as part of its commitment to sustainability and climate responsibility under the UI GreenMetric Energy and Climate Change (EC) criteria.

Currently, the institute utilizes the following renewable energy sources:

1. Solar Energy (Primary Source)

The main renewable energy source on campus is solar power. Roof-mounted photovoltaic panels generate 25,000 kWh per year, supplying clean electricity to academic buildings and administrative facilities. The solar installation reduces dependency on fossil fuel-based grid electricity and lowers carbon emissions.

2. Clean Biomass Contribution

The campus also produces 15,000 kWh annually through clean biomass-based systems. This source contributes to diversifying renewable energy production and improving energy resilience, especially for heating-related support where applicable.

Renewable Energy Ratio Calculation

Total Renewable Energy Production: 40,000 kWh

Total Annual Electricity Usage: 840,000 kWh

Renewable Energy Ratio: 40,000 ÷ 840,000 × 100 = 4.76%

Thus, renewable energy contributes approximately 4.76% of the total annual electricity usage.

Environmental Impact

The integration of solar panels and clean biomass systems reduces greenhouse gas emissions, decreases reliance on conventional fossil fuels, supports institutional climate change mitigation goals, and aligns with Sustainable Development Goals, especially SDG 7 and SDG 13. The institute continues to enhance its renewable infrastructure and improve energy efficiency measures to increase the renewable energy share in upcoming years.

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