



Sustainable Development Goals (SDGs) of Samarkand State Institute of Foreign Languages (SamSIFL)



**7 AFFORDABLE AND
CLEAN ENERGY**

**SDG 7: AFFORDABLE
AND CLEAN ENERGY**



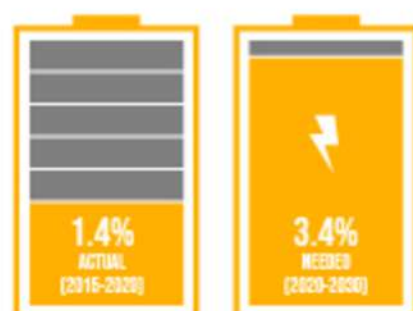
ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL

LIGHTS OUT:
675 MILLION PEOPLE
STILL LIVE IN THE DARK

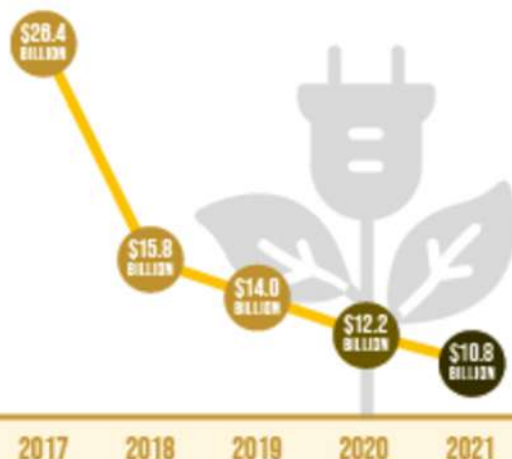


ENERGY EFFICIENCY IMPROVEMENT
MUST **MORE THAN DOUBLE** ITS PACE

ANNUAL ENERGY-INTENSITY IMPROVEMENT RATE



INTERNATIONAL PUBLIC FINANCING
FOR CLEAN ENERGY FOR DEVELOPING
COUNTRIES **CONTINUES TO DECLINE**

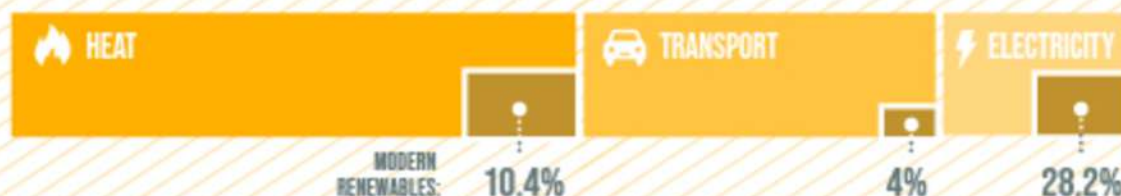


IF CURRENT TRENDS CONTINUE,



1 IN 4 PEOPLE WILL STILL USE UNSAFE AND
INEFFICIENT COOKING SYSTEMS BY 2030

MODERN RENEWABLES POWER NEARLY **30%** OF ELECTRICITY,
BUT REMAIN LOW IN HEATING AND TRANSPORT (2020)



SDG 7: AFFORDABLE AND CLEAN ENERGY

Samarkand State Institute of Foreign Languages Leading the Way in Affordable and Clean Energy Initiatives

Samarkand State Institute of Foreign Languages (SamSIFL) places a strong emphasis on embedding sustainability principles into every facet of its operations. This commitment is articulated through three core sustainability principles:

1. **Biodiversity and Well-Being:** SamSIFL actively engages in the creation of green spaces that benefit both its academic community and the environment at large. It undertakes measures aimed at safeguarding and enhancing the natural surroundings. In doing so, the institute contributes to the promotion of biodiversity and the overall well-being of the ecosystem.
2. **Cycle-Friendly Campus:** As a responsible employer, SamSIFL promotes a cycle-friendly campus, encouraging eco-friendly commuting among its students and staff. This endeavor not only reduces carbon emissions but also fosters a culture of sustainable transportation within the academic community.
3. **On-Campus Energy Generation:** SamSIFL has made remarkable strides in on-campus energy generation. The institute harnesses its campus rooftops to generate heat and electricity through renewable energy sources. This transition to cleaner energy production demonstrates the institution's commitment to reducing its environmental footprint.

Furthermore, SamSIFL, despite being a relatively young institute, has emerged as a regional leader in the adoption of energy-saving technologies and practices. Notably, it has spearheaded the integration of LED lamps, a highly energy-efficient lighting solution, in every room, corridor, entrance, and even external areas. This widespread adoption of energy-efficient lighting is emblematic of the institute's proactive stance in minimizing energy consumption and promoting sustainability.

Through these initiatives, SamSIFL not only upholds its dedication to environmental responsibility but also serves as a pioneering example for other institutions in the region. By incorporating sustainability principles into its core operations, the institute contributes to the broader efforts of mitigating environmental impact and advancing eco-conscious practices within the academic landscape.



7 AFFORDABLE AND
CLEAN ENERGY



Ensure access to
affordable, reliable,
sustainable and
modern energy for all

Samarkand State Institute of
Foreign Languages: Pioneering
Renewable Energy Initiatives
for Sustainability and
Environmental Responsibility



Pioneering Renewable Energy Initiatives for Sustainability and Environmental Responsibility 1/2

Samarkand State Institute of Foreign Languages (SamSIFL) has successfully executed a series of significant renewable energy projects, establishing its firm commitment to sustainable energy practices and environmental preservation. These initiatives include the installation of solar power plants with a combined capacity of 190 kW across various facilities within the institute: An installation of a 40 kW solar power system on the rooftop of Educational Building No. 4. A 20 kW solar array strategically placed atop the 9-story building of the Faculty of Roman-German Languages. A substantial 50 kW solar power setup adorning the roof of the educational building of the Payarik Faculty of Foreign Languages. A further 40 kW solar power infrastructure seamlessly integrated into the roofing section of Student Dormitory Building No. 2. Similarly, another 40 kW solar power system was harmoniously incorporated into the roofing of Student Dormitory No. 3. Additionally, SamSIFL has extended its commitment to renewable energy to address the demand for hot water. Located at Gagarina Street, 43, five solar water heaters with 200-liter capacities have been successfully installed, culminating in a total storage capacity of 1000 liters. These ventures exemplify SamSIFL's dedication to sustainable energy practices and environmental responsibility, in line with the growing global momentum towards renewable and alternative energy sources.



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**Samarkand State Institute of
Foreign Languages: Pioneering
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Pioneering Renewable Energy Initiatives for Sustainability and Environmental Responsibility 2/2

It is noteworthy to mention that a dedicated video conference, held on June 10 of the current year, reinforced the commitment to embracing renewable energy sources across diverse economic sectors and social infrastructure. During this conference, specific objectives were outlined to promote the widespread adoption of renewable energy sources. In the pursuit of these environmental goals, SamSIFL has devised a comprehensive program for the integration of renewable energy sources. Remarkably, the institute not only adhered to but also surpassed the stipulated timeline for implementing these initiatives. These proactive efforts are expected to result in significant energy savings, estimated at 20%. This translates to a reduction of 300,000 kWh of electricity and 418,500 Gcal of thermal energy consumption. This not only reflects the institute's commitment to sustainability but also positions it as a leading example of responsible energy practices, contributing to a more environmentally conscious and eco-friendly institution.

Total consumption of electricity and gas at the Samarkand State Institute of Foreign Languages in 2015-2022

In the year 2024, the Samarkand State Institute of Foreign Languages expended a significant 140,000 kilowatt-hours (kWh) of electrical energy to meet its operational needs and sustain its academic and administrative functions.

