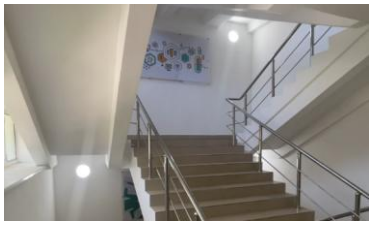
Tashkent State Medical University

Energy Efficient Appliances Usage (EC.1)

<table>
<tr>
<td>
LED Lighting System in Academic Buildings</td>
<td>
Motion Sensor Lighting Control</td>
<td>
Energy-Efficient Outdoor Lighting</td>
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<tr>
<td>
Energy-Efficient HVAC System</td>
<td>
Water-Saving and Efficient Sanitary Facilities</td>
<td>
Natural Lighting and Ventilation Design</td>
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Description:

Tashkent State Medical University actively promotes energy efficiency through the widespread use of energy-efficient appliances and equipment across its academic, research, healthcare, and administrative facilities.

The university has implemented large-scale LED lighting systems, energy-efficient ventilation equipment, modern chiller and air-conditioning systems, and solar energy technologies to reduce electricity consumption and improve operational efficiency. These initiatives contribute to lowering greenhouse gas emissions, reducing energy costs, and supporting sustainable campus operations.

Based on the 2024 institutional inventory, TSMU operates 85,000 lighting units, of which 65,000 are energy-efficient LED lamps. The university also utilizes energy-efficient ventilation systems, high-efficiency chiller and air-conditioning equipment, and solar collectors supporting renewable energy generation.

The average proportion of energy-efficient appliances used across the university reached 86.5%, demonstrating TSMU's strong commitment to sustainable energy management and climate action.

The implementation of energy-efficient appliances across the university has resulted in an average energy efficiency rate of **86.5%**, significantly reducing electricity consumption and supporting TSMU's commitment to sustainable campus management and climate action.

Appliance	Total Number	Total number energy Efficient appliances	Percentage
LED Lamp	85,000	65,000	76%
Fan	120	85	70%

Chiller system conditioner system	280	280	100%
Solar collector	62	62	**100%**
		Average Percentage	**86.5%**