



WORLD UNIVERSITY OF BANGLADESH (WUB)

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Policy Framework on Efficient Electricity Use

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Effective Date: October 26, 2023

1.0 Purpose

The purpose of this policy is to establish a formal commitment by the World University of Bangladesh (WUB) to promote the efficient and responsible use of electricity across all campus operations and activities. This policy aims to:

- Reduce the university's environmental footprint by minimizing energy waste and lowering greenhouse gas emissions.
- Achieve significant cost savings on utility expenditures, allowing for the reallocation of funds towards academic and student resources.
- Foster a culture of conservation and sustainability among students, faculty, and staff, integrating it as a core institutional value.
- Ensure compliance with relevant national environmental goals and demonstrate leadership in sustainable education.

2.0 Scope

This policy applies to all individuals who use university facilities and resources, including:

- All full-time and part-time faculty, staff, and administrators.
- All students, both residential and non-residential.
- Contractors, vendors, and visitors working in the campus.
- All university-owned or leased buildings, facilities, laboratories, offices, and common areas.

3.0 Policy Objectives

The key objectives of this policy are to:

- **Reduce Baseline Consumption:** Achieve a 15% reduction in total grid electricity consumption per square meter by 2026 compared to 2025.
- **Increase Renewable Integration:** Source 20% of the university's electricity from on-site or procured renewable generation by 2026.
- **Mandate Efficient Technology:** Ensure 100% of all new equipment and appliance purchases meet or exceed high-efficiency energy star ratings.
- **Drive Behavioral Change:** Implement ongoing education and awareness programs to ensure all campus community members understand and practice energy conservation.

4.0 Policy Implementation

To achieve these objectives, the CSD will oversee the following implementation strategies:

4.1 Infrastructure and Technology:

- Conduct bi-annual energy audits of all major campus buildings.
- Prioritize the replacement of all lighting with LED technology across campus.
- Implement smart power management settings on all university computers and office equipment.
- Install occupancy sensors and automatic timers for lighting in common areas, bathrooms, and classrooms.
- Evaluate the feasibility of rooftop solar PV systems, solar water heaters, and other renewable energy technologies.

4.2 Procurement:

- Mandate that all new electrical appliances, laboratory equipment, and office devices purchased must carry an energy efficiency label.
- Prioritize vendors and service providers who demonstrate a commitment to sustainable practices.



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4.3 Awareness and Engagement:

- Organize mandatory annual workshops and seminars for students and staff on energy conservation practices.
- Launch a "Switch Off" campaign with clear signage near light switches, AC units, and computer labs.
- Establish an annual "Green Department" award to recognize the unit with the most significant energy reduction.
- Create and disseminate digital and print materials on best practices for saving electricity.

4.4 Monitoring and Reporting:

- Install sub-meters to track energy use in high-consumption buildings (e.g., labs, libraries).
- The CSD will compile an Annual Energy Report detailing consumption trends, cost savings, and progress towards stated objectives.
- Findings will be presented to Board of Trustees and publicly shared to ensure transparency.

5.0 Sustainability Officers

Sustainability Officers have been appointed in various departments to implement and monitor green initiatives, raise awareness, and ensure efficient resource management.

Key Activities of Sustainability Officers include:

1. Promoting energy efficiency and electricity-saving practices across campus.
2. Organizing seminars, workshops, and awareness programs on sustainability topics.
3. Coordinating waste management, water conservation, and recycling initiatives.
4. Monitoring departmental compliance with sustainability policies and reporting progress.
5. Encouraging eco-friendly practices among students, staff, and faculty.
6. Supporting research and projects related to sustainable activities within WUB and environmental conservation.

Policy Approval:

Prof. Zaki Imam

Registrar

World University of Bangladesh (WUB)