

KHWAJA MOINUDDIN CHISHTI LANGUAGE UNIVERSITY

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Energy Conservation Policy

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Contents

- I. Preamble**
- II. Aims and Objectives**
- III. Scope of the Policy**
- IV. Plan of Action**
- V. Best Practices**
- VI. Conservation Behaviour**
- VII. Responsibilities**
- VIII. Expected Outcomes**
- IX. Policy Enforcement**
- X. Internal Energy Audit Committee**
- XI. Recommendations**

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ENERGY CONSERVATION POLICY 2022

4

I Preamble : The Energy Conservation Policy of Khwaja Moinuddin Chishti Language University is drawn for the management and conservation of energy all over the campus. This policy outlines the practices which have been incorporated and also outlines the plans to be implemented in the future as the University's infrastructure and community continues to grow. The Policy will act as a guideline and a Standard Operating Procedure to ensure energy conservation is accomplished by developing a progressive and proactive approach to sustainable, cost-effective and responsible energy consumption in the University.

Khwaja Moinuddin Chishti Language University energy consumption includes petrol and diesel consumption by the electric generators and vehicles apart from the consumption of electricity obtained from the utility. The bulk of the energy consumption comes from various equipments being employed in the ongoing University constructions, as the University is still in the developing stage. The energy consumption can be controlled by adopting strategic energy conservation practices in academic and administrative blocks, libraries, class rooms, faculty cabins, students and faculty residences.

II Aims and Objectives:

The University is committed to modelling sustainability and practicing effective stewardship of institutional resources while providing excellent learning, teaching, and research environment. The aims and objectives of the policy will be as follows:

1. The purpose of this policy is to ensure that the university operates in a sustainable manner managing energy consumption by using energy efficiently, wisely, and responsibly. This policy contributes to meeting the University's commitments and goals with respect to energy costs as well as greenhouse gas emissions associated with energy use.
2. To align with the University's Greenhouse Gas reduction targets, it has set a goal to reduce energy consumption annually by at least 2%.
3. This policy supports and enhances the university's commitment to environmental sustainability and encourages change in individual behaviours, actions, and campus processes.
4. The policy supports the management of ongoing energy conservation and university's commitment to carbon compliance regulations .

III Scope of the Policy: This policy will be applicable to all the staff, students, faculty and visitors throughout the campus. University facilities will be operated in the most energy – efficient manner without endangering public health and safety and without diminishing the quality of education regardless of the source of funding for their operations.

IV Plan of Action:

Energy is essential to support all university operations. All members of the campus community will endeavour to use energy and water in the most efficient manner possible.

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Energy use can be managed by all departments and units through awareness and adoption of the most efficient procedures and practices. The campus community shall make informed choices to minimize the institution's ecological footprint associated with energy with a goal of continuous improvement and reduced operating costs. It is our University's goal to reduce energy consumption on campus whenever possible through the support and everyday efforts of faculty, staff, students, and university visitors ("the campus community").

This shall be accomplished through the following energy conservation measures:

Individual actions: Close doors and windows; turn off lights, computers, printers, and faxes when not in use.

Technical strategies: Pursue energy savings in equipment operations and maintenance, as well as in building renovation and new construction.

Education and outreach: Encourage energy conservation and environmental stewardship on campus and beyond.

V Best Practices to be Implemented:- Based on the goals set by the University for effective conservation of energy, the following strategies have been adopted by the University:

- a. **Energy Saving Architectural Design of the Buildings:** In all its new building constructions, the University is to make sure that, right from the architectural design, buildings are making use of the natural air-cooling system in every possible way to allow free flow of cool air which percolates throughout the corridors and the rooms.
- b. **Electricity Saving Practices:**
 1. Turn lights out when you leave rooms unoccupied or in unoccupied rooms that you pass. Encourage others to do the same.
 2. Turn off or unplug office equipment, laptop computers, monitors, and lab equipment, unless in use, especially at night and on weekends. Unplug equipment that is not used frequently.
 3. Turn off fume hoods and bio safety cabinets when not in use to prevent the loss of conditioned air.
 4. Choose computer and device power management settings and **energy star** qualified equipments, systems and appliances to minimize energy usage.
- c. **Roof Top Solar Panels:** The University will make sure that reasonable Rooftop Solar Panels are installed on its buildings. which may reduce the energy cost incurred by the University by 16-20% at an average on a monthly basis.
- d. **Thermostat Set Point:** The University will encourage those who use Air Conditioning system to maintain a set point of 23 degree Celsius at all times and also the centralization of AC may be controlled at different check points. It is also suggested that only required AC should be on at the office time.
- e. **LED Lights:** The University will make every effort in using only LED lighting system in all its new installations in the campus. The existing lighting systems are to be replaced by LED lightings in a phased manner.
- f. **Energy Audit:** The University will conduct energy audit every year to ensure that the energy consumption in the University remains as per the expected set level and that no energy is wasted unnecessarily. The areas of energy conservation and saving are to be identified through the process of audit by following the recommendations.

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2

g. Maintenance of Equipment: The Administrative Officers will be responsible for timely maintenance services of electrical equipment installed in the University, with an objective of keeping their efficiency at maximum level.

VI Conservation Behaviour: The University will encourage the University community in developing an energy conservation behaviour by organizing workshops, seminars, talks, competitions and awareness events on the effects of climate change, depletion of fossil fuels, and on the importance of having consciousness in energy conservation etc. at regular intervals.

VII Responsibilities: Members of the campus community, faculty, staff, students, researchers, and visitors, are responsible for identifying areas of inefficient energy usage and to actively work towards eliminating inefficiencies in energy and water use.

VIII. Expected Outcomes of the Energy Conservation Policy:

- The cost of energy consumed by the University will be reduced and maintained at a certain affordable level.
- It will reduce the greenhouse gas contribution of the University.
- It will extend the life of electrical equipment at the University.
- It will create a better and healthier environment for the University community to live in.
- Promote new research and teaching opportunities focused on energy management and sustainability
- Lastly, it will help in moulding the behaviour of the students towards environmental consciousness while making them aware of the importance of energy conservation.

IX. Policy Enforcement:

The University's Energy Conservation Policy will be enforced by the Internal Energy Audit Committee constituted by the Administrative Officers of University.

X Internal Energy Audit Committee:-

The Committee shall monitor the effects of energy conservation efforts in the University and solicit and evaluate feedback from faculty, staff, and students. Training on new energy management concepts and programmes will also be organised by the committee from time to time. The committee will designate a Nodal Officer with the responsibility and the authority for carrying out Energy Conservation and Utilities Management Programmes. The Department with least energy consumption will be rewarded by the committee.

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XII. Recommendations for Future Construction and Renovation: Future construction and renovation will be designed for optimum energy utilization, lowest life-cycle operating costs, and in compliance with all applicable energy codes and regulations.

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