



Energy Policy

February 2024

ANURAG UNIVERSITY

Venkatapur, Ghatkesar, Medchal–Malkajgiri district,
Hyderabad, Telangana, India. 500 088

Energy Policy of AU

1. Introduction

This Energy Policy outlines the vision, commitment, and operational guidelines of Anurag University to reduce energy consumption, enhance energy efficiency, and integrate renewable energy sources in campus operations.

2. Vision and Objectives

- Achieve carbon neutrality by 2040.
- Transition to 100% renewable energy for campus electricity needs by 2040.
- Reduce energy consumption intensity by 30% over the next 10 years.
- Foster research, innovation, and education in clean energy technologies.

3. Scope

This policy applies to all departments, laboratories, offices, hostels, buildings, and campuses under the university, including temporary structures, and outsourced services.

4. Governance and Responsibility

- Establish a University Energy Management Committee (UEMC).
- The UEMC will include members from faculty members, expert, administration, and students.
- The UEMC shall monitor, review, and report on energy targets and compliance annually.

5. Energy Efficiency and Conservation Strategies

- Conduct periodic energy reviews.
- Adopt LED lighting and energy-efficient appliances.
- Use smart sensors, timers, and automation for lighting, HVAC, and lab equipment.
- Promote passive solar architecture and natural ventilation in new buildings.

6. Renewable Energy Integration

- Install rooftop solar PV systems across all major buildings.
- Explore solar thermal heating in hostels and kitchens.
- Encourage use of biogas and wind hybrid systems where feasible.
- Feed surplus solar power into the grid under state net metering policy.

7. Awareness, Training, and Capacity Building

- Conduct energy literacy campaigns for staff, students, and local community.
- Integrate energy topics into curriculum, research, and thesis.
- Organize workshops, competitions, and field projects on energy management.

8. Procurement and Operations

- Adopt green procurement standards for electrical and electronic goods.
- Prioritize vendors who offer energy-efficient, eco-labelled products.
- Specify energy efficiency benchmarks in infrastructure tenders and projects.

9. Infrastructure and Construction

- All new constructions and major renovations of existing structures must comply with nationally recognized green building codes.
- Incorporate passive solar design, natural daylighting, and ventilation strategies during the design phase to reduce the need for artificial lighting and mechanical cooling.
- Use energy-efficient, high-insulation materials, low-emissivity windows, and reflective roofing to reduce thermal gain and loss.
- Ensure new constructions are equipped with rooftop solar readiness and rainwater harvesting infrastructure as per state building regulations.

9. Monitoring, Evaluation, and Reporting

- Set annual energy use benchmarks per building/unit.
- Use energy dashboards and data loggers for real-time monitoring.
- Publish annual Energy and Sustainability Reports.

10. Review

- Non-compliance shall be reviewed by UEMC and corrective actions initiated.
- Incentives may be offered for exceptional energy-saving contributions.
- Semester-wise review and yearly audit