



13- Energy Efficiency, Clean Energy, and Sustainable Procurement Policy

Policy Statement:

-Menoufia National University is committed to applying the highest standards of energy efficiency, promoting the use of clean and renewable energy sources, and reducing carbon emissions across all campus buildings and facilities. As a fourth-generation educational institution, the University aims to integrate sustainability principles into the design and operation of its infrastructure, ensure responsible resource management, and achieve a positive environmental impact

- This policy ensures that all new buildings, renovations, and campus operations comply with national and international energy efficiency standards, while establishing clear systems for monitoring and reducing overall energy consumption in alignment with the United Nations Sustainable Development Goals (SDGs).

Actionable Measures:

1. Energy-Efficient Buildings:

- Ensure that all major renovations comply with national energy efficiency regulations and recognized sustainable design standards.
- Utilize LED lighting, energy-efficient equipment, and smart building technologies.
- Apply thermal insulation, maximize natural lighting, and orient buildings to optimize energy performance.

2. Renovation and Retrofitting:

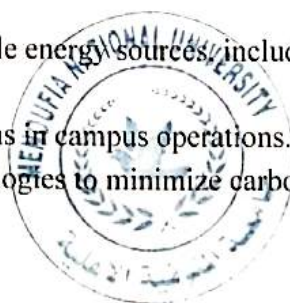
- Upgrade existing facilities during maintenance or renovation to improve energy efficiency.
- Install energy-saving fixtures and controls during refurbishment projects.

3. Energy Monitoring and Reporting:

- Implement smart meters and monitoring systems to track energy consumption across all university facilities.
- Publish an annual report on energy consumption, carbon emissions, and progress toward reduction targets.
- Set measurable annual goals to reduce overall energy consumption by 5–10% per year.

4. Carbon Emission Reduction:

- Expand the use of low-carbon and renewable energy sources, including gradual installation of solar energy systems.
- Reduce reliance on fossil-fuel-based systems in campus operations.
- Integrate smart energy management technologies to minimize carbon emissions.





5. Identification of Energy Wastage:

- Conduct periodic energy audits to identify areas of high energy consumption or inefficiency.
- Develop targeted interventions to address inefficiencies based on audit results.

6. Community Engagement and Awareness:

- Organize workshops and awareness campaigns on energy efficiency, renewable energy, and sustainable practices for students, staff, and the local community.
- Promote responsible energy behaviors, such as switching off unused devices and efficient HVAC use.

7. Sustainable Investment:

- Conduct an annual review of all current and future investments to identify ties to carbon-intensive industries.
- Continue to refrain from any fossil-fuel-related investments and maintains a strict prohibition on such activities.
- Direct new investments toward renewable energy projects, low-carbon infrastructure, and energy-efficient technologies.
- Publish an annual report documenting progress in carbon divestment and growth in green investments.

8. Support for Low-Carbon Innovation and Clean Technology:

- Integrate renewable energy and energy efficiency practices into curricula and research projects.
- Encourage student and faculty projects focused on low-carbon innovation.
- Establish a university incubator to support startups in clean energy and energy-efficient technologies, providing technical guidance and mentorship.
- Align initiatives with national policies such as Egypt Vision 2030 and clean energy strategies.

9. Sustainable Procurement and Waste Minimization:

- Include sustainability requirements in all tenders and contracts: reduced packaging, use of recyclable materials, and prohibition of single-use plastics.
- Select suppliers based on environmental performance, favoring eco-friendly materials and waste-reduction practices.
- Properly manage construction waste through sorting, reduction, and recycling.
- Promote reuse and minimize plastic and paper usage across all university facilities.

**Vice President for Academic
Affairs**

(Prof. Nancy Asaad)

Nancy Asaad

