



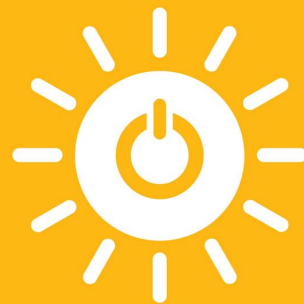
UNIVERSITY OF OUM EL BOUAGHI

*Report on the United Nations
Sustainable Development Goal 7:
Affordable and Clean Energy*

ABSTRACT

This report sheds light on the contributions of the University of Oum El Bouaghi, Algeria, towards achieving SDG 7: Affordable and Clean Energy.

7 AFFORDABLE AND CLEAN ENERGY



Introduction

Sustainable Development Goal 7 (SDG 7) seeks to ensure access to affordable, reliable, sustainable, and modern energy for all, while significantly increasing the global share of renewable energy. In alignment with this goal, the **University of Oum El Bouaghi (UOB)** in Algeria is committed to advancing sustainable energy practices through a comprehensive framework of policies, strategies, and initiatives. These efforts focus on promoting energy efficiency, integrating renewable energy sources, and fostering community engagement to build a cleaner and more sustainable future.

1. University Measures Towards Affordable and Clean Energy

Energy Efficiency Standards for New Buildings

The University of Oum El Bouaghi enforces strict energy efficiency standards for all new constructions and renovation projects. Established in **2010** and reviewed in **2022**, this policy ensures that every new facility incorporates **green design principles**, **renewable energy integration**, and **energy-saving technologies**. The policy also emphasizes **training**, **awareness-raising**, and **continuous monitoring and evaluation** to guarantee long-term effectiveness.

Notable implementations include the **Institute of Sciences and Techniques for Physical and Sports Activities**, the **Faculty of Economic, Commercial, and Management Sciences**, and the **Faculty of Arts and Languages**, all of which were constructed in accordance with these sustainability standards.

Upgrading Existing Buildings for Greater Energy Efficiency

To complement its efforts in new constructions, UOB has developed comprehensive plans to enhance the energy performance of existing buildings. The strategy includes **evaluation**, **planning**, **implementation**, **control**, and **ongoing improvement**. A key aspect of this plan is the modernization of **lighting systems** and the installation of **energy-efficient equipment**. These initiatives exemplify the university's commitment to continuous improvement and responsible energy consumption across its facilities.

Carbon Management and Reduction of Greenhouse Gas Emissions

In support of Algeria's environmental sustainability goals, the University of Oum El Bouaghi has adopted a **Net-Zero Emissions Commitment**. This commitment focuses on **minimizing greenhouse gas emissions**, employing **carbon capture techniques**, and **investing in renewable energy projects**. Remaining emissions are systematically offset through sustainable practices. Regular **carbon emission reporting** allows the university to monitor progress and reaffirm its dedication to reducing its carbon footprint and mitigating climate change.

Comprehensive Energy Efficiency Plan

UOB has implemented an institutional **Energy Efficiency Plan** aimed at reducing total energy consumption. The plan includes **assessing baseline energy use, setting reduction targets, and introducing renewable energy systems**. It also prioritizes **awareness campaigns** among staff and students, as well as continuous **monitoring and evaluation** to ensure progress. This plan demonstrates the university's holistic approach to energy management and environmental sustainability.

Energy Reviews and Identification of Energy Wastage

Periodic **energy audits** are conducted across campus facilities to identify potential areas of energy loss. These reviews examine **building systems, operational procedures, and energy-intensive equipment**. The findings are used to optimize energy use and enhance efficiency, contributing to the creation of a sustainable and energy-conscious university environment.

2. Energy and the Community

Community Programs Promoting Energy Efficiency

The University of Oum El Bouaghi actively contributes to community development by organizing **workshops, seminars, and training programs** on clean energy and energy efficiency. These outreach initiatives aim to raise public awareness and empower citizens with the knowledge and tools needed to adopt sustainable energy practices. The university has also developed **research partnerships in the field of geothermal energy**, showcasing its active role in regional sustainable energy innovation.

Advocacy for 100% Renewable Energy

Through its participation in **Energy Cities Algeria** and various **public conferences**, UOB promotes the transition toward **100% renewable energy**. Professors and researchers from the university regularly engage in discussions and media events to advocate for renewable energy adoption at local and national levels, positioning the university as a thought leader in Algeria's clean energy movement.

Supporting Local Industry in Energy Transition

The university provides **technical and training support** to local industries and municipalities to enhance their energy efficiency practices. Initiatives include **capacity-building programs** for government employees and **forums on renewable energy applications**. These activities emphasize the importance of integrating clean energy solutions into local governance and industrial operations.

Research Contributions to Government Policy Development

The University of Oum El Bouaghi actively contributes to **policy-making** by conducting research that informs national strategies on energy efficiency and renewable energy technologies. Research projects such as *“Energy Efficiency in Buildings”* and *“Control, Diagnosis, and Optimization of Electrical Systems Supplied by Renewable Sources”* serve as scientific foundations for government initiatives and contribute to Algeria’s clean energy roadmap.

Support for Low-Carbon Economy Startups

Aligned with **Ministerial Decree No. 1275**, the university supports innovative **startup projects** that promote low-carbon technologies and environmental sustainability. By fostering entrepreneurial initiatives in the clean energy sector, UOB plays a vital role in advancing Algeria’s transition to a **low-carbon economy** and nurturing future leaders in sustainable innovation.

Conclusion

The **University of Oum El Bouaghi** demonstrates a strong and sustained commitment to **Sustainable Development Goal 7**, integrating energy efficiency, renewable energy, and community engagement into its institutional framework. Through its energy policies, carbon management strategies, research initiatives, and community partnerships, the university continues to lead by example—advancing the vision of a sustainable, low-carbon, and energy-efficient Algeria.