



# *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.

## **Introduction:**

Sustainable Development Goal 7 (SDG 7) aims to ensure access to affordable, reliable, sustainable, and modern energy for all while substantially increasing the share of renewable energy in the global energy mix. The University of Oum El Bouaghi in Algeria is committed to contributing to the achievement of SDG 7 by implementing various policies and initiatives to promote affordable and clean energy on its campus and beyond.

### **1. University Measures Towards Affordable and Clean Energy**

- ☒ **Energy Efficiency Standards for New Buildings** The University of Oum El Bouaghi has a policy in place to ensure that all renovations and new builds follow energy efficiency standards. This policy was created in 2010 and reviewed in 2022. The university is dedicated to sustainability and energy efficiency, incorporating renewable energy sources and energy-saving technologies in the construction of new buildings. The university's policy outlines objectives and principles, including green design, renewable energy utilization, energy-saving technologies, training and awareness, and monitoring and evaluation of new buildings. The University of Oum El Bouaghi has successfully implemented this policy in new buildings, including the Institute of Sciences and Techniques for Physical and Sports Activities, the Faculty of Economic and Commercial Sciences and Management Sciences, and the Faculty of Arts and Languages.
- ☒ **Upgrading Existing Buildings to Higher Energy Efficiency** The University of Oum El Bouaghi has comprehensive plans to upgrade existing buildings for higher energy efficiency. These plans involve evaluation, planning, implementation, control, awareness, and continuous improvement, focusing on lighting upgrades as a model for enhancing energy efficiency in older buildings. The university's approach involves a step-by-step process to enhance energy efficiency in older buildings, ensuring that energy-efficient lighting and equipment are installed. It is committed to continuous improvement and maintaining efficient energy consumption in university buildings.
- ☒ **Carbon Management and Reducing Carbon Dioxide Emissions** The university has a Net-Zero Emissions commitment to support environmental sustainability. It aims to minimize greenhouse gas emissions, employ carbon capture techniques, invest in renewable energy projects, and offset remaining emissions. The Net-Zero Emissions commitment highlights the university's determination to address climate change and reduce its carbon footprint. The university also reports on carbon emissions to track its progress in carbon management.

- ☒ **Energy Efficiency Plan** The University of Oum El Bouaghi has adopted a policy to reduce overall energy consumption through various measures, including assessing current energy consumption, setting consumption reduction targets, enhancing energy efficiency, utilizing renewable energy sources, raising awareness, and monitoring and evaluating performance. The policy outlines steps and principles to reduce total energy consumption, demonstrating the university's commitment to environmental sustainability.
- ☒ **Energy Reviews to Identify Energy Wastage** The university conducts regular energy reviews to identify areas with the highest energy waste. These reviews help in assessing building systems, equipment, and operational procedures to reduce energy consumption. The energy reviews ensure efficient energy use and contribute to creating a sustainable and energy-efficient campus.

## 2. Energy and the Community

- ☒ **Community Programs for Energy Efficiency** The University actively participates in local community outreach programs to raise awareness about energy efficiency and clean energy practices. These programs include workshops, seminars, and training sessions to equip individuals with the knowledge needed for sustainable energy solutions. The university hosts scientific workshops on energy-related topics and has partnerships in the energy sector, such as research in geothermal energy.
- ☒ **Advocating 100% Renewable Energy** The University of Oum El Bouaghi encourages the use of 100% renewable energy outside the university through discussions, meetings, and press conferences led by its expert professors. The university's participation in Energy Cities Algeria activities and press conferences highlights its commitment to renewable energy advocacy.
- ☒ **Supporting Local Industry for Energy Efficiency** The university offers direct services to local industries aimed at improving energy efficiency and promoting clean energy, including training programs for local government employees and international forums on renewable energy applications. Training programs for local municipalities focus on the use of renewable energy in local government operations, emphasizing the importance of clean energy.
- ☒ **Informing and Supporting Government Policies** The University of Oum El Bouaghi informs and supports the government in developing clean energy technology and energy efficiency policies through research projects related to these topics. Research projects, such as "Energy Efficiency in Buildings" and "Control, Diagnosis, and Optimization of Electrical Systems Supplied by Renewable Sources," demonstrate the university's contributions to government policies.

- ☒ **Supporting Low-Carbon Economy Startups** The university supports startups that promote and support the low-carbon economy and technology, aligning with Ministerial Decree 1275. Examples of startup projects in the low-carbon economy sector indicate the university's commitment to supporting innovative and sustainable ventures.

**Conclusion:** The University of Oum El Bouaghi is actively engaged in advancing Sustainable Development Goal 7 by implementing a wide range of initiatives to ensure affordable and clean energy on its campus. From energy-efficient building standards to community outreach programs, the university is making substantial contributions towards a more sustainable and energy-efficient future in Algeria and beyond.