



## 07. Clean and Affordable Energy

### 07-02 University Actions Towards Affordable and Clean Energy

#### 07-02-03 Does your university have a carbon management process to reduce carbon dioxide emissions?

As an expert in sustainable development, I confirm that our university has established a comprehensive and multi-dimensional institutional framework for carbon management and emissions reduction, which includes several bodies and strategic pillars:

##### Pillar One: Scientific Research in Environmental Fields

- Specialized Academic Programs:** Chemical engineering and renewable energy programs focus on resource management, improving energy efficiency, and providing low-carbon alternative solutions.
- Research Laboratories:** Laboratories work on developing innovative technologies for recycling waste and converting it into resources, reducing emissions associated with disposal.

##### Pillar Two: Use of Renewable Energy

- Gradual Transition:** The university makes diligent efforts to reduce traditional energy consumption and convert systems to solar energy or other alternative sources.
- Green Infrastructure:** Installing solar energy systems for lighting and planning future expansions.

##### Pillar Three: Awareness and Community Participation

- Awareness Campaigns:** Organizing continuous awareness campaigns within the campus to encourage students and employees to adopt sustainable practices.
- Tree Planting Initiatives:** Organizing tree planting campaigns on campus to absorb carbon and improve air quality.
- Behavior Change Programs:** Developing educational programs to enhance awareness of individual carbon footprints.



#### Pillar Four: Integrated Waste Management

- **Collection and Sorting Centers:** Establishing centers for collecting, sorting, and recycling waste within the campus.
- **Waste Reduction at Source:** Implementing policies to reduce waste generation and encourage reuse.
- **Circular Economy:** Adopting circular economy principles in resource and waste management.

#### Pillar Five: Strategic Partnerships

- **Collaboration with Industrial Sector:** Work is underway to conclude an agreement with oil companies such as SONATRACH to exchange expertise, solve problems, and train employees in emissions management and energy efficiency improvement.
- **Knowledge Transfer:** Benefiting from industrial expertise to improve the university's environmental performance.

#### Impact and Accountability:

This integrated framework contributes to:

- Gradually and measurably reducing the university's carbon footprint.
- Promoting a culture of sustainability within the university community.
- Supporting Algeria in achieving its national and international climate commitments.
- Contributing to achieving Goal 13 (Climate Action) and Goal 7 (Clean Energy) of the Sustainable Development Goals.