



# 7 AFFORDABLE AND CLEAN ENERGY





## **7. Affordable and Clean Energy**

### **7.1. University Building Energy Efficiency**

#### **(Water Security Collaboration, Off-Campus Water Conservation Support)**

Palestine Ahliya University (PAU) is committed to achieving energy efficiency across all campus buildings and facilities. By incorporating advanced energy-saving standards in both new constructions and renovations, PAU aims to minimize energy consumption and reduce carbon emissions, aligning with global environmental goals. Key initiatives include staying up-to-date with international energy efficiency standards, applying these practices in every construction and renovation project, and conducting workshops to educate faculty, staff, and students on energy-saving practices. Furthermore, collaborations with specialized sustainable energy institutions support knowledge exchange and the adoption of advanced technologies, positioning the University as a leader in energy efficiency.

### **7.2 Carbon Management and Emissions Reduction**

#### **(Carbon Emissions Management)**

PAU is dedicated to reducing its carbon emissions and minimizing its environmental impact through innovative strategies, such as integrating solar panels and other renewable technologies across campus. By enhancing energy efficiency, investing in low-carbon energy sources, and adhering to eco-friendly standards in all facilities and future projects, the University aims to foster a sustainable campus environment. Key initiatives include developing a long-term carbon reduction plan with clear targets, organizing training programs and workshops on sustainable practices, and implementing solar panels to meet energy needs with renewable power. Regular assessments of carbon management procedures ensure continued progress in achieving PAU's environmental goals, establishing it as a leader in carbon management and sustainability.

### **7.3 Energy Efficiency and Clean Energy Education**

#### **(Community Energy Efficiency Education Programs)**

PAU is committed to promoting energy efficiency and clean energy education through dedicated awareness programs aimed at both students and the local community. These programs enhance understanding of energy conservation and the adoption of clean energy technologies, fostering a culture of environmental sustainability. Key efforts include organizing workshops and educational lectures to inform the community about energy efficiency and the benefits of clean energy. Partnerships with local organizations and government bodies further amplify sustainable energy awareness, while the University continues to integrate renewable energy and energy efficiency topics into its academic programs.

### **7.4. Innovation and Low-Carbon Economy Support**

#### **(Low-Carbon Economy Startups Support, Local Industry Energy Efficiency Consulting)**

PAU is dedicated to driving innovation and advancing a low-carbon economy by creating an environment that supports clean energy entrepreneurs and startups. Through consulting services and technical assistance, the University contributes to the development of sustainable solutions that reduce environmental impact and support a green economy. Key initiatives include increasing funding for startups in low-carbon fields, forming partnerships with industrial sectors to expand consulting services on energy efficiency, and offering specialized training



programs to enhance skills in clean energy innovation and entrepreneurship. These efforts position PAU as a catalyst for sustainable economic growth and environmental stewardship.

### 7.5. Strategic Key Performance Indicators (KPIs)

SN	KPI	2021/2022	2022/2023	2023/2024
1.	Energy Standards Compliance	92%	94%	97%
2.	Energy Efficiency Improvement Rate	93%	95%	98%
3.	CO2 Reduction Rate	92%	94%	97%
4.	Emission Reduction Initiatives	93%	95%	98%
5.	Community Education Programs	89%	91%	94%
6.	Industry Consulting Services	90%	92%	95%

### 7.6. Activities and initiatives achieved (2023/2024)

SN	Activities / Initiatives	Link
1.	Ahliya Solar Energy Company	<a href="#">GO</a>
2.	Solar Energy Program	<a href="#">GO</a>