



6 CLEAN WATER AND SANITATION





6. Clean Water and Sanitation

6.1. Campus Water Consumption Management

6.2 Water Treatment and Reuse

(Waste Water Treatment, Water Pollution Prevention, Water Reuse)

PAU strives to ensure sustainable water resource management by adopting advanced practices in wastewater treatment and reuse. These initiatives aim to reduce environmental impact by enhancing water quality and promoting safe reuse of treated water. The University continually updates its water treatment systems to comply with the latest environmental standards, while conducting awareness programs to inform students and staff about the benefits of water reuse. Collaborations with local institutions further extend the use of treated water beyond the campus, contributing to broader sustainability efforts.

6.3 Water Management Education and Awareness

(Community Water Management Education, Water Usage Awareness Campaign)

PAU is dedicated to fostering environmental awareness and reducing water consumption through educational programs on water resource management. The University encourages sustainable water practices both on campus and within the local community. Key initiatives include regular awareness campaigns, workshops, and training sessions to enhance understanding of water sustainability. Through partnerships with local organizations, PAU develops collaborative programs focused on improving water conservation and quality, empowering students and the broader community to engage in responsible water management.

6.4. Water Security and Conservation Collaboration

(Water Security Collaboration, Off-Campus Water Conservation Support Procedure)

PAU is committed to promoting water security and conservation through strategic collaborations with government and community organizations. These joint efforts focus on sustainable water resource management both on and off-campus. Key initiatives include developing cooperative programs to share expertise on water conservation practices and hosting workshops to raise community awareness about the importance of water and conservation techniques. By working with local partners, PAU strengthens regional water security and contributes to broader conservation efforts.

6.5. Strategic Key Performance Indicators (KPIs)

SN	KPI	2021/2022	2022/2023	2023/2024
1.	Per Capita Water Efficiency Use	92%	94%	97%
2.	Water Conservation Compliance	93%	95%	98%
3.	Water Reuse Rate	89%	91%	94%
4.	Water Education Programs	90%	92%	95%
5.	Water Awareness Campaigns	88%	90%	93%
6.	Water Security Partnerships	87%	89%	92%



6.6. Activities and initiatives achieved (2023/2024)

SN	Activities / Initiatives	Link
1.	Blue Filter Project	GO

6.7. SDG Scientific Research (2023)

SN	Article Name	Link
1.	Shakarna, M., Jaradat, O., Kanan, M., Shalaldah, A., & Shalaldah, M. (2023, December). Energy-Saving Gypsum Bricks with Recycled Stone Powder for Sustainable Buildings. In 2023 2nd International Engineering Conference on Electrical, Energy, and Artificial Intelligence (EICEEAI) (pp. 1-6). IEEE.	Click
2.	Salameh, D., Dannoun, R., Zawahra, I., Sara, M. R. A., Alkhateeb, J. H., Taqatqa, S., & Kanan, M. (2023, December). Solar Photovoltaic Panels Detection Using Machine Learning Algorithms. In 2023 2nd International Engineering Conference on Electrical, Energy, and Artificial Intelligence (EICEEAI) (pp. 1-5). IEEE.	Click
3.	Shakarna, M., Jaradat, O., Kanan, M., Shalaldah, A., & Shalaldah, M. (2023, December). Energy-Saving Gypsum Bricks with Recycled Stone Powder for Sustainable Buildings. In 2023 2nd International Engineering Conference on Electrical, Energy, and Artificial Intelligence (EICEEAI) (pp. 1-6). IEEE.	Click