



The Hashemite University (HU)	
Policy Management System	
University Water Reuse Policy	
Policy Code:	HU0601
Policy Name:	Policy of Minimizing Water Consumption and Maximizing Water Use Efficiency
Handler:	The Hashemite University President
Issuing Authority :	Prince El-Hassan Bin Talal Faculty of Natural Resources and Environment
Approved by:	The Dean's Council based on the 2022 Sustainable Development Framework (Ref. 16/13/10/2202761)
Revision cycle:	(5-7) years

Policy Statement:

The Hashemite University Water Conservation Policy

The Hashemite University acknowledges the critical importance of water as a limited and shared resource. We are committed to reducing water consumption and losses while enhancing water use efficiency across our campus facilities. In line with our commitment to sustainability, this policy sets forth our objectives to minimize water usage and outlines the measures we will undertake to ensure water availability and sustainability. Our target is to achieve a 15% reduction in water consumption by the academic year 2025/2026, using the academic year 2022/2023 as the baseline. All members of our community, including employees, students, and contractors, are expected to collaborate and contribute to this endeavor.

The Water and Environment Center at the Hashemite University will oversee the monitoring of water consumption reduction and ensure compliance with all legal, regulatory, and service requirements. This policy is an integral part of our university's commitment to sustainability and should be read in conjunction with other university policies.

Background and Justification:

The Hashemite University aspires to be a regional and international pioneer with a strong sense of national responsibility toward water resource protection, management, and development. Water scarcity and resource management challenges, particularly in the governorate of Zarqa, a densely populated industrial center in Jordan, motivate us to contribute to addressing these pressing issues. Additionally, our commitment to the United Nations Sustainable Development Goal 6 underscores our dedication to ensuring clean and accessible water for all.

Jordan faces severe water shortages due to increased demand and decreased freshwater supplies, with a per capita share of less than 100 cubic meters. The impact of climate change is expected to exacerbate these challenges. By implementing this policy, we aim to confront local water scarcity and contribute to sustainable water use and management.

The Hashemite University's water consumption, approximately 850 cubic meters per day,

poses financial and environmental challenges. Our reliance on two sources, the Water Authority and groundwater wells, necessitates a proactive approach to reduce costs and improve resource management. The launch of a groundwater desalination project using solar energy underscores our commitment to innovative solutions to address water-related challenges.

Scope and Purpose:

The Hashemite University Water Conservation Policy is a part of the university's broader commitment to sustainability. It applies to all university employees, students, consultants, and contractors. The purpose of this policy is to establish objectives to minimize water consumption and maximize water use efficiency, recognizing water as a limited resource under considerable pressure.

Principles of the Policy:

1. Monitoring and Measuring Water Use:

- The university will employ primary and sub-water meters to monitor consumption, installing new meters where needed.
- Significant water-consuming equipment and systems will be continuously monitored to identify abnormal usage and potential leaks.

2. Compliance:

- All university facilities and buildings will adhere to legislative requirements related to water consumption and management.

3. Water Conservation:

- The university will assess water-consuming equipment and replace high-water-consuming equipment with water-saving alternatives.
- This evaluation includes all university buildings and facilities on and off-campus.

4. Greywater and Rainwater Harvesting:

- Greywater reuse and rainwater harvesting systems will be considered for installation in new buildings.
- These systems will be evaluated based on lifecycle cost considerations.

5. Construction and Maintenance Standards:

- New buildings will follow water efficiency standards to minimize water consumption.
- Maintenance teams will regularly inspect and address water leaks.

6. Procurement and Tender:

- The university will assess the efficiency of new water-saving equipment as part of procurement and tender processes.

7. Engagement and Collaboration:

- Behavior change campaigns will educate and empower staff and students to improve water-saving practices.
- Collaboration with academic staff and students will support water-related research and projects on campus.

Definitions:

- Greywater: Wastewater excluding sewage, suitable for toilet flushing to reduce the use of freshwater.
- Rainwater harvesting: The collection and storage of rainwater for toilet flushing and plant irrigation.
- Lifecycle cost: The evaluation of financial benefits based on expenses throughout a project's life, including initial capital investment, operation, and maintenance costs.

Responsibilities:

- The Hashemite University owns this policy, and the Water and Environment

Center manages it.

- All university employees, students, consultants, and contractors are responsible for complying with this policy.
- Maintenance teams are responsible for identifying and addressing water leaks.
- Procurement, Financial Affairs, Warehouses and Supplies, University City, and Facilities departments collaborate to introduce water-saving equipment standards.
- Academic staff and students are encouraged to collaborate on water efficiency research and projects.

Procedures for Handling Policy Violations:

Any violations of this policy will be addressed according to the university's established procedures for handling policy violations. Violators may be subject to disciplinary actions or corrective measures as deemed appropriate.

This policy will be reviewed annually, with updates and major amendments managed by the Water and Environment Center in collaboration with the Council of Deans and the University Board of Trustees. Performance against the 15% water consumption reduction target will be monitored and reported quarterly to the University's Council of Deans.