

 ABDULLAH GÜL ÜNİVERSİTESİ	Water Management and Reuse Policy	Document No:	POL-03
		Publishing Date:	20.10.2018
		Revision Date:	10.01.2024
		Revision No:	07

1. Purpose

This policy provided a strategic framework for the sustainable management of water resources at Abdullah Gül University (AGU), aiming to reduce water consumption, maximize water reuse, and minimize the environmental impact of campus operations. This approach supported AGU's commitment to environmental stewardship, sustainability, and resource efficiency, promoting a campus-wide culture of responsible water management.

2. Scope

This policy applied to all activities, infrastructure, and facilities across AGU, including academic buildings, laboratories, residence halls, athletic facilities, and campus landscaping. It encompassed all students, faculty, staff, and third-party contractors involved in water usage, conservation, or management activities at AGU.

3. Policy Statement

AGU recognized the crucial role of water in both environmental sustainability and campus operations. To optimize water use, AGU committed to efficient management, innovative reuse practices, and community awareness, guided by the following objectives and principles:

3.1 Assessment of Water Resources

AGU regularly assessed its water resources to optimize usage and identify opportunities for conservation and reuse:

- Conducted comprehensive mapping of all water sources, including municipal, groundwater, and surface water, and identified potential sources for reuse, such as greywater and harvested rainwater.
- Performed water demand analysis to identify reduction and reuse opportunities across university facilities.

3.2 Water Conservation Practices

Water conservation was prioritized in all aspects of university operations:

- Installed water-efficient technologies, such as low-flow fixtures, sensor-operated faucets, and efficient irrigation systems.
- Upgraded facilities with water-saving technologies through regular assessments.
- Integrated water-conscious practices into cleaning, cooling, and laboratory activities.

3.3 Reuse Systems Implementation

AGU reduced reliance on potable water through dedicated reuse systems:

- Expanded greywater recycling infrastructure for landscape irrigation, toilet flushing, and cooling tower operations.
- Installed rainwater harvesting systems to collect and store water for non-potable uses, such as irrigation.

3.4 Water-Conscious Planting Strategy

AGU committed to sustainable landscaping practices that reduced irrigation needs:

- Used drought-resistant and native plant species to minimize water use.

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- Employed efficient irrigation methods, such as drip systems and soil moisture sensors, to prevent water waste.

3.5 Education, Engagement, and Monitoring

AGU fostered a water-conscious culture through education, community engagement, and transparent monitoring practices:

- Conducted regular awareness campaigns for students, staff, and faculty on water conservation methods.
- Collaborated with external organizations to promote water sustainability and offered educational programs to the community.
- Implemented real-time water monitoring systems to track consumption and reuse metrics, with an annual Water Management Report highlighting achievements, challenges, and future initiatives to ensure transparency and accountability.

3.6 Compliance with Regulations

AGU remained fully compliant with all relevant regulations:

- Ensured that water management practices adhered to local, national, and international regulations.
- Aligned practices with industry benchmarks and standards, such as TS ISO 46001 for water efficiency management.

3.7 Continuous Improvement

AGU recognized that effective water management required ongoing adaptation:

- Stayed informed about advancements in water management technologies and incorporated relevant improvements.
- Reviewed this policy periodically to adapt to new sustainability developments and regulatory requirements.

4. Responsibilities

The AGU Department of Construction and Technical Works led the implementation and enforcement of this policy, with specific responsibilities including:

- Coordinating water management and reuse initiatives across the university.
- Ensuring integration of water conservation practices in all operations.
- Monitoring compliance and reporting progress to university leadership.
- All departments and units were expected to support sustainable water management in their daily activities and operations.

5. Monitoring and Evaluation

To ensure effective implementation of AGU's Water Management and Reuse Policy, a detailed monitoring and evaluation framework was established. The **POL-03-FORM-01 Energy and Water Consumption Template** became an integral tool for tracking and analyzing water and energy usage across the campus. This table served as a benchmark for evaluating the university's progress in water conservation, reuse initiatives, and overall sustainability goals, reinforcing AGU's commitment to continual improvement and responsible resource management.