



الكلية الحديثة للبحوث والعلوم
MODERN COLLEGE
OF BUSINESS & SCIENCE



Policy on: Water Management

March 2025

Perspective	Institution		
Policy Owner	Director of Sustainability Center		
Developed By	Ms. Nivedita Ram		
Approval Body	College Board		
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Email	sustainability@mcbs.edu.om		
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Revision			
	Date	Revised By	Major Changes
Revision 1			
Revision 2			
Revision 3			

1. Statement.

This policy is hereby developed to standardize and establish a structured approach to water management through sustainable water consumption, reuse and recycle.

2. Policy Purpose.

- 2.1 Establish measures and initiatives to create a systematic process and guideline regarding sustainable water management.
- 2.2 Raise awareness and provide learning opportunities for students, faculty, and staff on the importance of water efficiency, and identify areas where water usage can be optimized.
- 2.3 Demonstrate MCBS's commitment to sustainable practices related to water and to outline strategies for reusing water where appropriate (e.g., for irrigation or non-potable uses) and potentially recycling water to minimize waste and conserve resources.

3. Definitions and Abbreviations.

- 3.1 **Estdama Center:** The College's sustainability hub responsible for implementing and monitoring water management policies and initiatives.
- 3.2 **Water Resource Management:** The process of planning, developing, and managing water resources, to ensure both water quantity and quality, across all water uses.
- 3.3 **Water Allocation:** determining how the quantity of available water resources is distributed within the premises which include landscaping, industry and domestic use.
- 3.4 **Water Conservation:** Defining and implementing strategies to minimize water consumption and minimize waste.
- 3.5 **Water Quality Management:** Establishing water quality management by preventing pollution of water sources to ensure safe water for all purposes.
- 3.6 **Water Infrastructure:** Provision of infrastructure and maintaining systems for water storage, water-treatment, and sanitation and water pipelines.
- 3.7 **Water Resource Planning:** Establishing and implementing quantifiable targets to ensure MCBS's future water demands such as student strength, with a focus on climate impact and socio-economic demands.
- 3.8 **Wastewater Management:** Collection, treatment and safe disposal of wastewater, with focus on reduction, reuse and recycling.
- 3.9 **Irrigation Management:** Establishing and implementing sound water use for landscaping purposes.
- 3.10 **Storm-Water Drainage Management:** Ensuring well maintained storm-water drainage system to reduce run-off.
- 3.11 **Sustainable Water Use:** Ensuring the water resource is effectively and efficiently managed to meet the current demands with a futuristic emphasis on demands of the future generations.

4. Stakeholders.

This policy applies to: All MCBS Stakeholders

5. Procedures.

The following stages are to be followed in implementing this policy:

5.1 Water Conservation :

- 5.1.1 Stage 1:** Estidama Center in collaboration with the Facilities department, will conduct a comprehensive water footprint audit to assess water consumption, water runoff, and reduce and recycle activities and the water infrastructure.
- 5.1.2 Stage 2:** A regular inspection and maintenance of the plumbing system for leaks shall be conducted.
- 5.1.3 Stage 3:** Water usage shall be monitored through the water meters to track the consumption and identify areas where water is being used inefficiently
- 5.1.4 Stage 4:** The Estidama Center in collaboration with the Research Department will collect and analyze data to establish a baseline for water consumption and water quality for effective water resource planning.
- 5.1.5 Stage 5:** Estidama Center will identify major water waste sources and help define the targets for the coming years in line with the MCBS Strategic Plan.
- 5.1.6 Stage 6:** Based on the analysis and targets set, the Facilities Department, through its operational plan will determine the water consumption patterns and the several methods of water-waste reduction and recycle.
- 5.1.7 Stage 7:** The Facilities Department shall monitor water consumption both within the building premises and the landscaping, which includes the irrigation processes.
- 5.1.8 Stage 8:** The Facilities Department shall establish a wastewater treatment plant based on the above stages to minimize water wastage and encourage reuse and recycle.
- 5.1.9 Stage 9:** The Facilities Department shall establish monitoring of the storm water drainage system to reduce run-off
- 5.1.10 Stage 10:** Estidama Center, in collaboration with the Quality Assurance Department, will monitor the above processes on a regular pre-determined frequency.
- 5.1.11 Stage 11:** Estidama Center shall conduct annual sustainability assessments and produce reports on progress, every quarter.
- 5.1.12 Stage 12:** Estidama Center will review and revise its water consumption targets based on emerging best practices.

5.2 Raise Awareness of the Importance of Water Management:

- 5.2.1 Stage 1:** The Estidama Center with Student Affairs will organize workshops on responsible water consumption, and reduction of water waste for students.
- 5.2.2 Stage 2:** Estidama Center will develop and implement sustainability training sessions for faculty, staff and students.

- 5.2.3 Stage 3:** Estidama Center will launch an online platform offering sustainability-related courses and resources for students and employees.

6. Roles and Responsibilities.

6.1 Facilities Department

- Collaborate with Estidama Center in conducting a water footprint audit.
- Prioritize the transition of MCBS water treatment targets and include in the operational plans for the year.
- Monitor progress of water management targets

6.2 Estidama Center

- Conduct a water footprint audit to assess water consumption, water waste, water transportation, and procurement activities.
- Identify major water waste sources and define reduction strategies based on emerging best practices.
- Collaborate with the Facilities Department to provide expertise in achieving the water management targets set by MCBS.
- Organize workshops on efficient water management for students and staff.
- Develop and implement sustainability training sessions for faculty, staff and students.

6.3 Research Department

- Support the Estidama Center in conducting annual sustainability assessments.
- Collect and analyze data to establish a baseline for water management.

6.4 Accounting Department

- Prioritize the establishment of wastewater treatment plant and water management equipment.

6.5 Quality Assurance Department

- Conduct periodic review and assurance through its departmental operational plan reviews

6.6 Student Affairs

- Collaborate with the Sustainability Center to organize workshops on water management and MCBS water management targets for students.
- Conduct Sustainability Literacy Assessments with emphasis on water management.

7. References.

The development of this policy has, in a contextualized manner, benefited from the following documents:

1. MCBS Policy Manual
2. The Financial Sustainability Policy
3. Oman Vision 2040 and MCBS Target for Carbon Neutrality
4. <https://library.fiveable.me/ap-hug/unit-7/sustainable-development/study-guide/AZ9ckLaGSQLAGOSepH1M>
5. <https://www.nrcs.usda.gov/water-management>
6. <https://www.worldbank.org/en/topic/waterresourcesmanagement>