



# BATANGAS STATE UNIVERSITY'S (BATSTATEU'S) POLICY GUIDELINES FOR SUSTAINABLE DEVELOPMENT



landscaping projects of the university to encourage local biodiversity.

1.1.2.8 The University shall encourage establishment and protection of botanical gardens and arboretums whenever feasible.

1.1.2.9 Indiscriminate introduction of plants and animals as in the case of, but not limited to, random dispersal of seeds and release of animals within the campus shall not be permitted.

## **1.2. Water Usage and Care**

The following are the specific policy guidelines for better wastewater management on the different campuses of the University:

### **1.2.1 Water Usage and Conservation Management**

1.2.1.1 Inspection and monitoring of the water distribution system (faucets, bidets, water closets, toilet flush and pipes) shall be ensured so that no unused water leakage is wasted. Metering and other measures to detect water leakage shall be used to ensure water conservation. Reporting of leakage to the Project and Facilities Management Office (PFMO) must be done immediately for prompt action.

1.2.1.2 Regular monitoring of water consumption per building and reporting the total water usage of different campuses shall be practiced.

1.2.1.3 In the procurement of plumbing fixtures and fittings, buying water-efficient ones (water closet with dual flush, low-flow faucets or bidets, etc.) shall be prioritized.

1.2.1.4 High-pressure but low-volume spray nozzles on spray washers for cleaning the University vehicle, driveways, pathways, or pavements shall be installed.

1.2.1.5 A rainwater harvesting facility to maximize the use of available water shall be established.

1.2.1.6 The use of treated wastewater, harvested rainwater and the water from fountains for cleaning, flushing purposes and car washing shall be maximized.

1.2.1.7 Insofar as practicable, non-toxic bricks or plastic containers shall be placed in a toilet tank to reduce the amount of water used per flush. A toilet dam that creates a reservoir of water when the toilet flushes shall also be utilized in place of the displacement device.

1.2.1.8 A water efficiency management plan for the plumbing and piping system of the water being released in the water retention facility shall be developed.

## **1.2.2 Water Quality Monitoring**

1.2.2.1 The number and location of university-wide water sampling stations based on the proximity of the campuses and possible sources of contamination shall be established. The sampling stations shall include university deep wells, artesian wells, aquifers, water districts and similar bodies of water.

1.2.2.2 A regular sampling and analysis of environmental water quality parameters using the approved and/or Standard Methods for Examination of Water and Wastewater shall be conducted.

## **1.2.3 Wastewater Treatment Facility**

1.2.3.1 Wastewater generated from buildings shall be collected. *Provided, however, That* applicable treatment prior to its disposal through the Sewage Treatment Plant (STP) whose effluent complies with general effluent standard set by Department of Environment and Natural Resources through DENR AO 2016-08 is in place.

## **1.2.4 Discharging of Wastewater**

1.2.4.1 Generated wastewater from the comfort rooms shall be directly discharged in a septic tank and regularly siphoned by a DENR Accredited TSD Facility.

1.2.4.2 Generated liquid waste from the laboratory in terms of liquid shall be properly stored, collected, and managed through EMU Office, then it shall be transported, and treated by a DENR-approved Treatment facility.

## **1.3. Wildlife Protection**

1.3.1 An ecosystems-based approach to campus development shall be pursued by the University to ensure healthy and sustainable coexistence of the University population with the biodiversity on campus.

1.3.2 Conservation and protection of wildlife species and their habitats shall be paramount to promote ecological balance and enhance biological diversity.



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**BATANGAS STATE UNIVERSITY**

**The National Engineering University**

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**EXCERPT FROM THE MINUTES OF THE SEVENTY FOURTH (74TH) REGULAR MEETING  
OF THE BATANGAS STATE UNIVERSITY BOARD OF REGENTS HELD AT TWIN LAKES  
HOTEL, TAGAYTAY-NASUGBU HWY, LAUREL, BATANGAS ON 07 DECEMBER 2022**

**PRESENT:**

Dr. MARITA R. CANAPI CHED Commissioner	-	Chairperson
Dr. TIRSO A. RONQUILLO University President	-	Co-Chairperson
Cong. MARIO VITTORIO A. MARINO Representative of Cong. Mark O. Go	-	Member
Mr. JOHN BRYAN D. DIAMANTE Representative of Sen. FRANCIS "CHIZ" G. ESCUDERO	-	Member
Dir. LUIS G. BANUA Director, NEDA – Region IV-A Representative of Dr. ARSENIO M. BALISACAN	-	Member
Dir. EMELITA P. BAGSIT Director, DOST – Region IV-A Representative of Dr. RENATO U. SOLIDUM, Jr.	-	Member
Engr. LADISLAO L. ANDAL Private Sector Representative	-	Member
Engr. AMANDO A. PLATA Alumni Regent	-	Member
Dr. KRISTOFFER CONRAD M. TEJADA Faculty Regent	-	Member
Ms. DONNA KRISTEL B. VERANA Student Regent	-	Member
Prof. ENRICO M. DALANGIN Board and University Secretary	-	Head Secretariat

**OTHERS PRESENT:**

Dr. FREDDIE BULAUAN	-	OIC-Director, CHED Regional Office IV-A
Ms. MARICEL B. BERDAN	-	Staff, Office of Comm. Canapi
Ms. BLAISEDELE C. REGACHO	-	Staff, Office of Comm. Canapi
Atty. LUZVIMINDA C. ROSALES	-	Vice President for Administration and Finance
Ms. SHAIRA MAE J. DE JOYA	-	Technical Staff
Ms. APRIL B. FLORENDO	-	Technical Staff

**Res. No. 136-1B, S. 2022**

**Resolution Approving the Policy on Water Usage and Care**

**WHEREAS, to support the attainment of the 17 Sustainable Development Goals (SDGs), the University has undertaken programs, projects and activities supportive of the SDGs since 2014 as articulated in its Strategic Plan 2019-2029 and has reinforced its commitment to sustainability in human, financial, and environmental context with the approval of the establishment of the Center for Sustainable Development, its Logo and Sustainability Plan through Board Resolution No. 4, s. 2022;**

**WHEREAS, the Board through Resolution No. 136, s. 2022 approved the University Policy Guidelines for the attainment of Sustainable Development Goals;**

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Certified True Copy of the Original

**ENRICO M. DALANGIN**  
Secretary of the University  
and of the Board of Regents

Date: **12/13/22**







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**WHEREAS, to ensure the attainment of the goals, the University shall be guided by internal policies designed to assure balance between social, economic and environmental sustainability;**

**WHEREAS, the Chapter 1 of the approved policy guidelines for is about environmental sustainability supporting SDGs 6, 7, 11, 12, 13, 14, and 15 which covers land resource management, water usage and care, wildlife protection, green buildings, energy conservation, green procurement, minimization of use of plastic and disposable items, and solid waste management;**

**WHEREAS, an individual policy is provided in every chapter which prescribes the specific action or step to be undertaken by the University to achieve the SDGs;**

**WHEREAS, this policy for sustainable water usage and conservation management, water quality monitoring, waste treatment facility and discharging of waste water;**

**WHEREAS, under this policy, action steps are set for proper and efficient water management specifically water inspection, monitoring, testing and treatment;**

**WHEREAS, the proposal was presented to the Administrative Council of the University, and after thorough discussion and deliberation, it was endorsed for approval of the Board through Resolution No. 1128-01, s. 2022;**

**WHEREAS, the same proposal was deliberated upon by the Finance Committee and after thorough discussion and deliberation, it was endorsed for approval of the Board through Resolution No. 120, s. 2022;**

**WHEREAS, the matter was presented to the Board of Regents for deliberation and approval during its regular meeting on 07 December 2022;**

**NOW, THEREFORE:**

**BE IT RESOLVED, AS IT IS HEREBY RESOLVED that the Board of Regents after thorough discussion and deliberation approved the Policy on Water Usage and Care.**

**APPROVED.**

Certified Correct:

**ENRICO M. DALANGIN**  
Secretary

Certified True Copy of the Original

**ENRICO M. DALANGIN**  
Secretary of the University  
and of the Board of Regents

Date: **9/23**

