



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



case seem not to be covered by the provisions of this policy guidelines, it shall follow the general and underlying principles of SDGs.

2. Inclusivity, including reasonable accommodations, to all classes of stakeholders shall be at the core of the BatStateU education. This shall apply from recruitment/application up to graduation/separation.
3. As a public institution, the University must serve its stakeholders with utmost respect and assure that their human rights are upheld. Access to the University should, as far as practicable and as may be allowed by existing laws, rules, and regulations, be free and unimpeded.
4. All actions of the University must be consistent with the agenda to protect the planet from degradation, including through sustainable consumption and production, sustainably managing natural resources and taking urgent action on climate change, so that it can support the needs of the present and future generations.
5. As an institution of higher education, the University must take advantage of the opportunity to instill 'sustainability' ideas for future leaders and decision makers. It must also take advantage of the opportunities to promote education outside campus and reach the community in the broad sense with applied educational programs or services.
6. The 2030 Agenda for Sustainable Development, especially its vision, shared principles and commitments, and the new agenda, shall form part of this policy guidelines and should be interpreted in light of said agenda.

VII. SPECIFIC POLICY GUIDELINES

These policy guidelines are divided into three (3) broad areas namely: (i) environmental sustainability; (ii) sustainable support to communities; and (iii) inclusive academic environment and workplace.

CHAPTER 1- ENVIRONMENTAL SUSTAINABILITY

This chapter supports the following Sustainable Development Goals: SDG 6 (Clean Water and Sanitation), SDG 7 (Affordable and Clean Energy), SDG 11 (Sustainable Cities and Communities), SDG 12 (Responsible Consumption and Production), SDG 13 (Climate Action), SDG 14 (Life Below Water) and SDG 15 (Life on Land).

Section 1. Specific Coverage. This section covers policy guidelines on (i) land resources management; (ii) water usage and care; (iii) wildlife protection; (iv) green buildings; (v) energy conservation; (vi) green procurement; (vii) waste management; (viii) minimization of the use of plastic and disposable items; and (ix) climate change action.

1.1. Land Resources Management

In consideration of the multiple economic, ecological, aesthetic, scientific and educational services which land resources provide in sustaining the life and development of the university stakeholders the following policy guidelines on the use of land resource are hereby adopted:

1.1.1 Infrastructure Management (Built Environment)

1.1.1.1 Conservation and protection of biodiversity must be an integral part during the planning, preconstruction, construction, and post-construction of buildings, landscapes, and roads in the university.

1.1.1.2 All infrastructure development in all campuses must be in adherence with the approved State Universities and Colleges (SUC) Campus Land Use Development and Infrastructure Plan (LUDIP).

1.1.1.3 Environmental Impact Assessment (EIA) must be conducted prior to any development as approved and recommended by the University's Environmental Management Unit (EMU). This is not only limited to the ECC issuance. This is in conformity with the Philippine Environmental Policy which mandated the formulation of an intensive integrated program of environmental protection that will bring about a concerted effort towards the protection of the environment through a requirement of environmental impact assessments and statements.

1.1.1.4 Soil compaction shall be avoided through proper designation of equipment routes in a construction. Soil can be compacted by heavy equipment frequently passing through an area in construction sites resulting in root damage of trees.

1.1.1.5 Appropriate root and trunk protection strategies for trees in construction sites such as establishing a protected root zone, protective cover, and trunk protection, shall be applied. Establishment of Protected Root Zone (PRZ) for all higher plants within the university.

1.1.1.6 The use of porous materials for paved pathways is highly encouraged as this helps reduce surface water runoff.

1.1.1.7 Buffer zones for ongoing construction must be established to protect natural vegetation adjacent to the site.

1.1.1.8 All excavated soil must be returned to its original location. It is important to keep the layer position of the topsoil to preserve important nutrients inside.

1.1.1.9 Equipment which produces sound or vibrations must be regulated to minimize ground noise pollution and disturbance.

1.1.2 Green Space Management

1.1.2.1 Open spaces and unbuilt areas are preserved in their natural states (permeable area and natural vegetation) as much as possible. Ecological landscaping methods and green space preservation shall be prioritized.

1.1.2.2 All existing trees, whether native or non-native, shall be preserved as much as possible. If removal is needed, extraction for relocation or replacement of similar species must be implemented. All concerned must have to observe laws requiring the planting of trees in certain places and penalizing unauthorized cutting or destruction thereof (i.e. PD No. 953).

1.1.2.3 Forest patches and other critical natural habitat within the university shall be protected and maintained whenever possible from conversion.

1.1.2.4 Lawns shall not be cemented to encourage infiltration and groundwater recharge as much as possible.

1.1.2.5 The use of native trees and plants throughout the University shall be highly encouraged to promote biodiversity. This reduces fertilizer use and water consumption, preserving groundwater.

1.1.2.6 Fallen trees, existing rocks and natural decomposing biomass shall be left in green spaces and biodiversity corridors as long as it does not endanger human lives.

1.1.2.7 Endemic and indigenous species of flora shall be the top priority in all landscaping programs in the entire university. Whenever feasible, flowering and fruiting trees shall be planted in

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.



Republic of the Philippines
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. MARIÑO
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. 136-1D, S. 2022

**Resolution Approving the Policy for Green Building Design and
 Infrastructure of the University**

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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MJ

ENRICO M. DALANGIN
 Secretary of the University
 and of the Board of Regents
 Date: **12/23**





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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 green building design and infrastructure of the university give emphasis on energy efficiency, water efficiency, material sustainability, solid waste management, site sustainability, and indoor environmental quality;

WHEREAS, the policy shall require performance of the following standards:

- 1. adoption of efficient practices, designs, methods and technologies that reduce energy consumption resulting in cost savings;**
- 2. the adoption of efficient practices, plan, design, materials, fixtures, equipment and methods that reduce water consumption resulting in cost savings;**
- 3. resource efficiency and material selection and use with the least impact on the environment;**
- 4. adoption of waste management practices and use of eco-friendly materials;**
- 5. adoption of planning, design, construction and operation practices that minimize the adverse impact of buildings on ecosystems and water resources; and**
- 6. adoption of efficient design and operation practices that take into consideration the building environment to improve occupant health, productivity and safety;**

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;

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Mj

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

Date: 11/23





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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 for Green Building Design and Infrastructure of the University.

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

11/23

Date:

