

# Environmental Sustainability

Effective Date: 8 Oct 2021

Amended:

## 1. Introduction

The earth's environment is under severe stress from uncontrolled human activity, threatening the survival of our society and the performance of its mission.

Sunway University accepts that it must work to preserve the environmental sustainability of the planet, at all levels of its operations – in its own practice, as a participant in a community of practice, and as a participant in the Malaysia social discourse.

Sunway University aspires to minimize its impact on our environment and maximize the effective use of resources. We strive to achieve this by increasing communication and awareness of our efforts in accordance with this policy and fostering responsible environmental behavior amongst staff, students, and users at all levels.

Sunway University is committed not only to complying with applicable law in all of its operations but to minimize risks and impacts through the development of robust and documented systems to implement, measure, monitor, and disseminate excellent environmental performance both within its operations and to the broader community.

## 2. Purpose

This Environmental Sustainability Policy aims to integrate a philosophy of sustainable development into all the organization's activities and to establish and promote sound environmental practice in our operations.

Sunway University commits itself to minimizing its impact on our environment through:

- a. Providing a safe and healthy workplace;
- b. Having an environmentally sustainable aware culture, where responsibility is assigned and understood;
- c. Being an environmentally responsible neighbor in our community;
- d. Conserving natural resources by reusing and recycling;
- e. Using, in our own operations, processes that do not adversely affect the environment;
- f. Ensuring the responsible use of energy throughout the organisation;

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- g. Participating in efforts to improve environmental protection and understanding;
- h. Taking steps to improve environmental performance continually;
- i. Conducting rigorous audits, evaluations, and self-assessments of the implementation of this policy;
- j. Working with suppliers who promote sound environmental practices; and
- k. Enhancing awareness among our employees, students, and users – educating and motivating them to act in an environmentally responsible manner

## Environmental Sustainability Procedures

### 3. Responsibilities

It shall be the responsibility of the Sunway University Smart Sustainable Campus Committee (SSCC) Board to establish and maintain policies and procedures and to bring these procedures into effect.

It shall be the responsibility of the Chief Executive Officer to ensure implementation of these policies and procedures.

### 4. Procedures

- 4.1 Sunway University SSCC will develop guidelines for staff, students and users to adopt sound environmental work practices and study environment and adequate training will be provided to ensure these practices are carried out.
- 4.2 Sunway University SSCC will act responsibly to correct incidents or conditions that endanger health, safety, or the environment. It will promptly report any such incidents to the relevant authorities, and inform affected parties as appropriate.
- 4.3 Sunway University SSCC will undertake reasonable endeavors to utilize its knowledge and experience to contribute to the development of environmentally sustainable techniques, technology, knowledge and methods

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- 4.4 Sunway University SSCC will use reasonable endeavors to utilize its particular knowledge and experience to contribute to environmentally sustainable techniques, technology, knowledge and methods
- 4.5 Sunway University SSCC will use all reasonable ventures to contribute to the maintenance and increase of biodiversity through its management of its landholdings.
- 4.6 Sunway University SSCC will use all reasonable attempts to meet or exceed all applicable government requirements and voluntary requirements generally observed in its field, and will, in addition, adhere to the more stringent requirements of its own environmental policy.
- 4.7 In order to continually improve its environmental management system SEG will use reasonable endeavors to conduct audits and self-assessments of its compliance with this policy.
- 4.8 Sunway University SSCC will maintain an open and honest dialogue with staff, students, stakeholders, and the public about the environmental, health and safety performance of its operations and services.
- 4.9 Sunway University SSCC will use reasonable endeavors to ensure that every employee, student and contractor are informed of and expected to follow this policy and to report any environmental, health, or safety concern to management so that prompt action may be taken.

### 5. Energy Management

Sunway University accepts a share of the Sunway's commitment to a reduction of 20% of its carbon dioxide emissions by 2030.

#### Energy-Efficient Renovation and Building

- 5.1 Sunway University accepts a share of the Sunway's commitment to a reduction of 20% of its carbon dioxide emissions by 2030.
- 5.2 Sunway University will use all reasonable endeavors by continuing to examine the possibility of acquiring electricity from renewable energy sources when feasible.
- 5.3 Sunway University will use all reasonable endeavors to minimize energy use, and to use energy responsibly.

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- 5.4 Sunway University will use all reasonable endeavors to purchase and utilize energy efficient certified equipment.
- 5.5 Sunway University will continue to explore to deploy any new energy efficiency technologies in the campuses when feasible.
- 5.6 Sunway University will use all reasonable endeavors to provide covered walkways to facilitate connectivity to public transportation, and to other frequent patronage areas outside of campus.
- 5.7 Sunway University is committed that both the new and existing campuses to achieve green building certification.
- 5.8 Sunway University is committed to provide bicycle, green vehicle, and carpool parking lots within the campus.
- 5.9 Sunway University is committed to put aside annual funding to encourage and promote research and development on energy efficiency projects within the organization academics.

### Zero-Emission Vehicles

Sunway University is committed to provide bicycle, green vehicle, and carpool parking lots within the campus.

Sunway University is committed to put aside annual funding to encourage and promote research and development on energy efficiency projects within the organization.

## 6. Water Security and Management

- 6.1 Sunway University accepts a share of the Sunway's commitment to reduce by 10% of its overall water intensity dependency from the municipal potable water supply by 2030.
- 6.2 Sunway University will use all reasonable endeavors to minimize or prevent water wastages by responsible water usage only when needed.
- 6.3 Sunway University will use with our best endeavor rainwater from the rainwater harvesting system for landscape irrigation, and to use drought tolerant plants 50% or more of the landscape area.

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## Water Re-use

- 6.4 Sunway University will use with our best endeavor automated water irrigation system for landscape where water is only administered when needed depending on the weather and soil conditions.
- 6.5 Sunway University will use only when available localized water sources such as localized water treatment plant to ensure water security and to reduce dependency on potable municipal water supply.
- 6.6 Sunway University is committed the use of water efficient fittings that are certified under the Water Efficiency Products Labelling Scheme (WEPLS), Water Efficiency Labelling Scheme (WELS) or equivalent.
- 6.7 Sunway University is committed to install private water metering system at pipes serving different water usage areas in order to help us to better understand and analyze water usage patterns, and to assist in identifying water leakages that need repairs.
- 6.8 Sunway University is committed to only install cooling towers with water efficient design for our campuses and whenever possible to reuse recycled water i.e. AHUs condensation water for cooling water makeup.

## 7. Waste Generation and Management

- 7.1 Sunway University committed to diverting 40% of its waste from landfills by 2030.
- 7.2 Sunway University implements measures to reduce the volume of waste generated and to increase the proportion of waste which is recycled and thus diverted from landfills.
- 7.3 Waste production is minimised by active advocacy for responsible consumption behaviours on campus supported by proper infrastructure for waste separation. Use of non-disposable food containers and water bottles is extensively promoted, and single-use plastics are discouraged and disincentivised.
- 7.4 Sunway University endeavours to reuse and recycle materials, purchase recyclable materials, and opt for minimal or bulk packaging and choosing recyclable packaging where unavoidable.

This policy is adapted from the Sunway Education Group policy on Environmental Sustainability.