	MANAGEMENT & SCIENCE UNIVERSITY (MSU)
CREATED ON: 2020	REVIEW ON: 2023
ENVIRONMENTAL SUSTAINABILITY POLICY	

1. PURPOSE & SCOPE

1.1. This document outlines the Management and Science University's (MSU) strategies to reduce the current environment issues that posed global warming and climate change. The purpose is predominantly to alleviate the greenhouse gas emissions, supporting sustainable practices and acclimatizing to the impacts of climate change generally in the university's campus.

1.2. This policy is to ensure MSU plays an active role as a renowned sustainable campus through responsible resource management and optimization of resource utilization; environmental management and innovative ecosystem management; efficient energy management and leadership commitment in line with the national and international Sustainable Development Goals (SDG) plans.

1.3. This policy applicable to MSU staff, the students, and the stakeholders.

2. POLICY STATEMENT

2.1. Introduction

The environmental sustainability policy is a continuing practices in MSU and the priority is to diminish the climate change impacts. The evolving on the understanding of the climate changes, gradually has affected the strategies and policies in order to overcome this global challenge in a sustainable manner.

2.2. Principle

2.2.1 Green Campus is a place where environmental-friendly practices together with the education system applied in the campus, cooperatively encourage sustainable and eco-friendly ambiance simultaneously.

2.2.2 Within its own capacity, MSU aspires to be a model of a sustainable-friendly organization by:

a) Aligning MSU strategic plans with the implementation of the United Nation Sustainable Development Goal (UNSDG), through the development of SDG models to meet the local needs.

b) Minimizing the university's impact on the environment and maximizing the effective use of the existing resources.

c) Adopting sustainable building and infrastructure designs through a clear sustainable development framework to achieve cost-effectiveness.

d) Managing talents, with the presence of the relatable unit towards skills and competency enhancement to support the implementation of the SDG goal.

e) Maintaining a balance of developed areas and green areas to achieve a sustainable campus ecosystem.

f) Promoting a sense of community, improved quality of life, and responsiveness to the local and global contexts.

g) Cultivating a healthy lifestyle and fostering spiritual well-being in a safe and conducive environment.

2.3. Energy Consumption

2.3.1   MSU will continue to utilize cost-effective, renewable energy, where feasible in the buildings and structures, through minimal and responsible energy use.

2.3.2   MSU is committed to allocate annual funding to energy efficiency projects to encourage research and development among the faculty and all departments.

2.3.3   The organization's approach to prioritize in purchasing and utilization of energy-efficient certified equipment.

2.3.4   MSU's relevant departments shall set up the scheduled temperature setbacks for academic and administrative buildings during specified time to reduce energy consumption.

2.3.5   MSU shall ensure the energy performance standards are better than the other typical office buildings prior to minimize the impact to the environment.

2.3.6   MSU's significant departments to carry out post-occupancy commissioning energy usage and ensure building energy-related systems continue to perform as intended.

2.3.7   MSU to organize events and campaigns focusing on energy consumption awareness through a variety of channels.

2.3.8   MSU to develop and implement an annual assessment instrument to track energy awareness among MSU members and shall report to the Campus Development Committee.

2.3.9   The relevant department shall implement a computer energy savings program that will set their computers to sleep/standby mode when not in use.

2.4. Water Consumption

2.4.1   Where practicable, MSU will consider water collection and reuse through greywater and rainwater harvesting in new buildings. The system will be evaluated on a whole life costing basis which includes the carbon cost of pumping water from collection tanks.

2.4.2   MSU related department's shall maintain all plant and equipment, control and management systems, and water infrastructure in such a way as to maximize efficiency.

2.4.3   MSU shall monitor comprehensively the delivery systems and measure water consumption to identify significant and abnormal water use including leaks.

2.4.4   MSU shall practice conscious selections in planting types of plants that require minimal watering and fertilizers.

2.5. Waste Reduction

2.5.1   Major consideration must be given to applying the waste management hierarchy to all activities across MSU.

  a)   Reduce: Prioritize the purchase of biodegradable or recyclable products, an ongoing effort through paper form elimination by digitalizing reports and records archiving.

  b)   Reuse: Promotes the use of reusable plastic, retain materials that can be reused by others or for other purposes.

  c)   Recycle: Segregate waste to maximize the value of material for recycling.

  d)   Recover: Energy produced from the waste will be recovered where facilities allow.

  e)   Disposal: Will take place when there are no benefits from the waste.

2.5.2   MSU is responsible for data collection, measurement, monitoring, and reporting of recycling rates and wastes to landfills against university targets on an annual basis.

2.5.3   MSU to conduct waste audits and use the audit results to strategically identify waste minimization and diversion opportunities.

2.5.4   MSU shall ensure appropriate procedures and waste management processes are in place as applicable for the principal waste streams.

2.5.5   Chemical waste will be managed by the relevant departments to prevent contamination of the chemicals.

2.5.6   MSU shall work on disposing of e-waste procedures.

2.5.7   Waste shall be prevented or minimized wherever possible and must be stored, carried, processed or disposed in accordance with the guidelines within this policy.

2.5.8   While pending disposal, the waste must be stored in compliant with suitable containers and locations.

2.6. Environmental-Conscious Initiatives

2.6.1 MSU is committed to preserving natural resources and reducing pollution by purchasing environmentally preferable products and practicing the following initiatives.

    a) Recycled Paper

        i) MSU shall enforce all members; staff and students to utilize recycled papers when possible in daily operations.

    b) Paper Form Elimination

        i) All faculties and schools shall require students where possible to submit their work online.

        ii) MSU to enhance digitalization for reports and records archiving.

    c) Reusable Food Containers

        i) Encourage all MSU members to bring reusable containers when buying food from the food providers / outlets.

2.7. Indoor Environmental Quality

2.7.1 MSU is responsible to ensure that routine maintenance is performed in buildings so that the decreased performance of building systems or lack of repairs does not adversely impact Indoor Environmental Quality (IEQ).

2.7.2 MSU shall establish minimum Indoor Air Quality (IAQ) performance to enhance the indoor air quality in buildings that may contribute to the comfort and well-being of the MSU members.

2.7.3 MSU shall provide a high level of thermal comfort system to promote the productivity, comfort, and well-being of building occupants.

2.7.4 Following measurements shall be in place to improve ventilation systems in the buildings:

    a) Reprogrammed air supply units and maximize the amount of outside air supplied to building interiors with mechanical ventilation systems. The

amount of outside air supplied will be balanced with maintaining reasonable temperature and humidity levels to ensure all MSU members are comfortable while also to decreasing the potential for microbial growth.

b) Regularly service ventilation systems by replacing filters and ensuring the system's effectiveness.

c) Usage of large and open areas such as classrooms and open office areas will be restricted depending on the activities.

2.8. Site Planning Management

2.8.1 Most capital projects including exterior site work may impact sustainability goals and objectives. This includes:

a) Utilities
b) Stormwater management
c) Landscaping
d) Exterior lighting
e) Paving materials
f) Parking at individuals building

2.8.2 MSU shall reduce pollution produced by construction activities by controlling soil erosion, waterway sedimentation, and airborne dust generation.

2.8.3 MSU shall provide sufficient and best service of amenities for building users.

2.9. Awareness, Partnership, and Responsibility

2.9.1 Green Campus Committee is responsible to:

a) Giving full consideration to the sustainable use of resources in all of its management decisions.

b) Raising awareness of environmental matters generally and encouraging understanding and responsibility in the use of resources within its community and amongst those with which it interacts.

    c)   Consult appropriately with the authorities and/or experts on issues of environmental concern.

    d)   Researching environmental issues through MSU's academic departments, faculties and units.

    e)   Acknowledging its commitment to environmental responsibility through education for sustainability and sustainable resource management.

    f)   Encourage staff and students to participate and involve in sustainability activities such as collaborative research and educational opportunities.

    g)   Conduct ongoing training, workshop, or seminar for staff and students on sustainability programs and activities.

    h)   Engage with MSU staff and students to inspire them to take action to reduce energy and water consumption.

2.9.2   MSU to aid sustainability map as a self-guided campus tour to provide sustainability information for staff, students, and visitors.

2.9.3   MSU is committed to cooperating with other universities, authorities, NGOs, and industries that are leaders in sustainability.

    a)   Teaching and Learning
         i)   Ensure students are equipped with the skills and knowledge to contribute to a sustainable future.
         ii)   Learn from and share experiences on sustainability matters.

    b)   To offer research opportunities in the field of sustainability.

2.10.   Tracking Progress and Annual Reports

2.10.1   Green Campus Committee shall track and report progress towards the annual goals to set the benchmark of a fully sustainable campus.