THE MALDIVES NATIONAL UNIVERSITY

Energy Efficiency and Conservation Plan

Approved Date: 18th October 2026

Approved by: MNU Sustainability Committee

Introduction

The MNU Sustainability Action Plan requires the University to establish annual energy reduction targets and to monitor progress. This plan sets out how the University will reduce its overall energy consumption. Its purposes are to:

- set targets for reducing the University's overall energy consumption;
- define the operational, behavioural and technical measures to achieve them;
- increase the share of the University's energy that comes from renewable sources; and
- assign responsibilities and a reporting cycle.

Definition of Terms

Total energy used: All energy purchased or generated by the University, including electricity and fuel for generators, vehicles and vessels, expressed in gigajoules (GJ).

Energy use intensity: Total energy used in buildings divided by the floor area of University buildings, in GJ per square metre.

Low-carbon energy: Energy from renewable or other non-fossil sources, including solar photovoltaic generation.

Energy Focal Point: A member of staff nominated in each faculty, campus or department to coordinate energy saving.

Baseline year: The year against which reductions are measured.

Statement of Policy

MNU is committed to reducing its overall energy consumption through an energy efficiency plan. The University shall set annual reduction targets, implement the measures in this plan, and monitor and publish its energy use every year.

Scope

This plan applies to:

1 all energy used in buildings owned or operated by the University on all campuses, including student accommodation (Dhanaal);

2 fuel used in University generators, vehicles and vessels;

3 all staff, students, contractors and tenants who use University facilities; and

4 events held on University premises.

Policy Implementation

The Vice Chancellor shall oversee this plan. The head of Facilities Management shall lead implementation. Each faculty, campus and department shall nominate an Energy Focal Point. The Sustainability Committee shall monitor progress.

Targets

1 The University shall adopt the first year for which complete metered data are available as the baseline year.

2 The University shall reduce its Scope 1 and Scope 2 GHG emissions by 25% by 2035, relative to the institutional baseline.

3 All University lighting shall be LED by 2035.

Measures

Operational measures

1 Air-conditioned spaces shall be set within a standard range of 24 to 26 degrees Celsius, with doors and windows kept closed while cooling is on.

2 Air conditioning, lights and equipment shall be switched off when rooms are not in use and at the end of the working day.

3 Timetabling shall concentrate evening and weekend classes in fewer buildings and floors, so that unused areas can be shut down.

4 Air conditioning units shall be cleaned and serviced on a fixed schedule.

5 Computers, printers and laboratory equipment shall use power-saving settings.

Technical measures

1 The upgrade measures in the Building Energy Efficiency Upgrade Plan shall be carried out.

2 All new buildings and renovations shall comply with the Energy-Efficient Buildings Policy.

3 Rooftop solar photovoltaic systems shall be installed where feasible.

4 Separate electricity meters shall be installed for each building, and consumption shall be recorded monthly.

Procurement measures

1 Energy-using equipment shall be purchased on the basis of energy rating and life-cycle cost.

2 University vehicles and vessels shall be replaced with electric, hybrid or more fuel-efficient models where practical.

Awareness and behaviour

1 Energy saving shall be included in staff induction and in the MNU Sustainability Training Initiative.

2 The University shall run at least one energy awareness campaign each year, such as Earth Hour, for staff, students and the community.

3 Energy consumption by building shall be shared with Deans, Heads and Campus Managers every quarter.

Roles and Responsibilities

Facilities Management

Facilities Management shall:

1 record electricity and fuel consumption for every building, vehicle and vessel each month;

2 carry out the operational and technical measures;

3 identify and correct energy waste; and

4 report consumption and progress to the Sustainability Committee every quarter.

Energy Focal Points

Energy Focal Points shall promote the operational measures in their units, report faults and waste to Facilities Management and share consumption information with colleagues.

Deans, Heads and Campus Managers

Deans, Heads and Campus Managers shall ensure that their units follow this plan and shall take consumption data into account in managing their facilities.

Finance and Procurement

Finance shall provide electricity and fuel billing data and budget for the measures. Procurement shall apply the procurement measures.

Sustainability Committee

The Sustainability Committee shall set the targets, review progress every quarter and include the results in the annual Sustainability Report.

Staff and students

Staff and students shall follow the operational measures and report energy waste.

Monitoring and Reporting

The University shall record and publish each year: total energy used (GJ); floor area of University buildings (square metres); energy use intensity; energy from low-carbon sources (GJ) and its share of the total; and progress against the targets in Section 6.

Related Documents

- MNU Sustainability Policy (Academic Senate, 28 September 2025)
- MNU Sustainability Action Plan
- MNU Energy-Efficient Buildings Policy
- MNU Building Energy Efficiency Upgrade Plan
- MNU Energy Review and Audit Procedure
- MNU Carbon Management and Emissions Reduction Policy
- Energy Act (Law No. 18/2021)

Policy Review

This plan shall be reviewed every year by the Sustainability Committee and revised at least once every three years.

Annex 1: Annual Energy Data Sheet

Item	Unit	Baseline year	Current year	Change (%)
Purchased electricity	kWh			
Electricity generated by University solar	kWh			
Diesel	litres			
Petrol	litres			
Total energy used	GJ			
Floor area of University buildings	m2			
Energy use intensity	GJ per m2			
Energy from low-carbon sources	GJ			
Share of low-carbon energy	%			