

# ENERGY POLICY



## Declaration of Commitment

Universiti Teknologi Malaysia is committed to implement sustainable energy management best practices throughout its campus in order to create a conducive and sustainable campus environment for teaching, learning, research and intellectual development.

## Statement of Policy

Universiti Teknologi Malaysia's (UTM) policy is to establish a sustainable energy management system to enable continuous, effective and widespread implementation of energy efficiency, conservation practices and renewable energy initiatives at all departments within UTM. The process and procedure adopted shall enable the establishment of measurable energy reduction targets and Energy Efficiency Index without compromising reliability, comfort, security and safety. The energy management system will be driven and motivated by creative and innovative initiatives from within the UTM community. UTM Energy Policy will be managed by a Resident Energy Manager who will also manage compliance issue.

## ENERGY POLICY GUIDELINES

- To consume energy in the most efficient, economical and environmentally responsible ways.
- To apply the latest technology as well as energy efficiency practices in all aspects of organization operation.
- To constantly seek achievable reductions in energy consumption.
- To manage energy efficiency taking into consideration the requirements of law and reliable operation of the systems in use at the installation.
- To provide training and information for relevant staff in energy efficiency management.
- To contribute to the efforts of the government in reducing the emission of harmful gasses, including carbon dioxide.

Approved by :

NAIB CANSELOR  
UNIVERSITI TEKNOLOGI MALAYSIA

Date : 22 Februari 2022



# UTM ENERGY MANAGEMENT POLICY

## **Declaration of commitment**

Universiti Teknologi Malaysia is committed to practice energy efficiency and conservation throughout its campus in order to create a conducive and sustainable campus environment for teaching, learning, research and intellectual development.

## **Statement of Policy**

Universiti Teknologi Malaysia's (UTM) policy is to establish a sustainable energy management system to enable continuous, effective and widespread implementation of energy efficiency and conservation practices at all PTJs within UTM. The process and procedure adopted shall enable the establishment of measurable energy reduction Targets and Energy Index without compromising reliability, comfort and safety. The energy management system will be driven and motivated by creative and innovative initiatives from within the UTM community. UTM's Energy Policy will be managed by a Resident Energy Manager who will also manage compliance issues.

## **Objectives**

### **Our long-term objectives are:**

1. To establish a sustainable energy management system and a culture of conservation within the campus community
2. To reduce carbon emissions through efficient energy management
3. To reduce dependency on fossil fuel
4. To utilize renewable energy
5. To be a leader in energy sustainability and to promote the best practices locally and internationally

### **Immediate goals**

1. To conduct training & awareness programme towards establishing a culture of conservation within UTM campus community.
2. To initiate an energy award scheme to encourage creative and innovative energy management solution and sharing of best practices from within UTM
3. To strengthen energy management procedure and organizational structure as well as information and recording systems
4. To implement appropriate measures to reduce energy consumption through change of behavior, improved housekeeping practices, maintenance, operation and purchasing for new and existing buildings or equipment

## **ENERGY POLICY GUIDELINES**

**To consume energy in the most efficient, economical and environmentally responsible ways.**

This will require the control and management of design of buildings and systems in use at the installation. Any modification and extensions of buildings shall take into consideration the need for such buildings and systems to operate at optimum energy efficiency. As stipulated in the Green Building Index.

**To apply the latest technology as well as energy efficiency practices in all aspects of organization operations.**

This is achieved through constantly reviewing technology developments as well as energy efficiency practices and applying such practices throughout the company operations in a systematic and structured manner.

**To constantly seek achievable reductions in energy consumption.**

This is achieved through constantly monitoring and analyzing the consumption of energy and encourage staff and students at all levels to be involved with and participate in energy efficiency management.

**To manage energy efficiency taking into consideration the requirements of law and reliable operation of the systems in use at the installation.**

Energy efficiency management must take into consideration the requirement for personnel and system safety and reliability of such system. Energy efficiency management practices must comply with the requirement of laws.

**To provide training and information for relevant staff in energy efficiency management.**

Training and information relevant to energy efficiency management will be made available to campus community and enable the community to effectively participate and contribute to the efforts of the organization in energy efficiency management

**To contribute to the efforts of the government in reducing the emission of harmful gasses, including carbon dioxide by divesting from carbon-intensive industries like coal and oil.**

UTM understands and appreciates the concern in the increasing global warming and the depletion of fossil fuel. This concern will be reflected in all the activities of UTM and its community must appreciate the worsening climate change that could seriously affect the environment and the future generation if no serious efforts are taken to manage the situation now. Every employee and student of UTM shall therefore actively participate in the efficient use of energy.

## **Responsibilities**

The highest authority in the UTM Energy Management Committee will be made up of top management from PHB and representatives from PTJ. The committee will be headed by the Director of Works and comprise of Facility Manager, Human Resource Manager, Resident Energy Manager and PTJs Energy Managers. Responsibility for formulating and implementing energy policy for UTM lies with the UTM Energy Management Committee.

## **Lines of communication**

The Resident Energy Manager will make a monthly report to the UTM Energy Management Committee on energy management activities and progress. Matters relating to the energy management initiatives and control of energy consumption in various PTJs will be included in the report.

Once every three months UTM Energy Management Committee will provide a report on energy management initiatives and progress towards achieving energy reduction targets to University Management Group (UMG).

## **Resources**

Energy Management Committee supported by appropriate authority and experienced personnel, with adequate audit equipment and financial allocation.

## **Review**

All energy management activities will be subjected to periodic review. An annual performance audit/review of the energy management system will be conducted, and relevant best practices as well as improvement measures will be shared with all PTJ heads.

## **Effective Date:**

This Policy is effective on 23<sup>rd</sup> Mei, 2011.

The UTM energy policy will be reviewed and updated continuously.