



Mahidol University Announcement

Energy Saving Measures to Reducing Greenhouse Gas Emissions

The Energy Management Committee of Mahidol University recognizes the adverse impacts of energy and resource consumption (e.g. electricity, water supply, gasoline, etc) resulting in the emission of Greenhouse Gases or GHGs namely Carbon dioxide (CO₂), Methane (CH₄), Nitrous Oxide (N₂O), Hydrofluorocarbon (HFCs), Perfluorocarbons (PFCs), and Sulfur Hexafluoride (SF₆) which are a major cause of global warming. Therefore, to support global warming reduction, it is essential to promote guidelines to reduce Greenhouse Gas Emissions and introduce energy saving initiatives across all Mahidol University units (including dormitories or residences inside the university).

1. Electrical Efficiency Measures

1.1 Air-conditioner

Turn the air-conditioner on and off according to use (as shown in the table below). Set the temperature to 26° Celsius and close all doors while the air-conditioner is on. In addition, adjust any curtain or blinds to block sunlight as appropriate to room lighting and temperature. Please ask for the permission of a supervisor when working during the holidays or at the weekend. It is also recommended that purchasers buy new air-conditioners certified with the no. 5 energy-saving label.

Room Types	On and off times	
Working rooms	08.30 – 12.00 hrs.	13.00 – 16.30 hrs.
Meeting rooms and classrooms	5 minutes before the meeting or class begins. Switch off immediately after the meeting or class ends.	

1.2 Lights

1.2.1 Room lights

Whenever possible, turn off work place or meeting room lights between from 12.00 – 13.00 hrs or minimize their use during this period.

- Use electricity only when needed in the rest and dining rooms

1.2.2 Hallway or outside building lights

- Turn on lights as necessary. Make use of daylight instead of electric lights.
- Turn on and off lights from 18.00 – 24.00 hrs.
- Turn off lights when not required.

1.2.3 Walkways and road lights

- Turn on and off lights from 18.00 – 06.00 hrs.

1.2.4 However, consider the safety of people and property when turning the lights on and off.

1.2.5 When replacing existing lights, we recommend the usage of LEDs.

1.3 Elevator

When there is more than one elevator in a building limit their use by only stopping at certain floors (odd or even floors) during the hours of 07.00 – 22.00 hrs and using the stairs to go up or down one floor. After these designated times, only use an elevator after careful consideration and informing the responsible unit. .

1.4 Other electric appliances

1.4.1 Turn off computers during the lunch break (12.00 – 13.00 hrs) or stop working for 30 minutes or more.

1.4.2 Turn off and unplug computers or photocopiers at the end of the working day.

1.4.3 Turn off all electric machines and appliances such as audio-visual machines, boilers and microwaves when not using them.

1.5 Promote the use of solar cells or wind for generating electricity.

2. Water Saving Measures

2.1 Use energy and water-saving fixtures.

2.2 Close the faucet completely after use.

2.3 Do not dispose of tissue papers or sanitary napkins into the toilet bowl.

2.4 Repair fixtures or water pipes if leaks are found.

2.5 Use canal water or waste (grey) water for watering plants instead of public water supply.

3. Paper Use Measures

3.1 Proofread for errors before printing.

3.2 Use both sides of the paper.

3.3 Promote the sending of documents via email or use audio-visual presentations instead of relying on printed materials.

4. Gasoline Use Measures

4.1 Promote car pooling.

4.2 Promote the use of bicycles instead of cars and motorcycles.

4.3 Plan your travel route to reduce distances and time.

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The President of Mahidol University