



Policies of Green Building and Area





Al-Furat Al-Awsat Technical University approved the university's 10-year development scheme to address the renovation of existing buildings and establish new ones on different campuses to meet energy efficiency standards. Following NISTIR 8118r1, A Guide to the United States Electrical and Electronic Equipment Compliance Requirements, the policy ensures that all existing buildings have improved insulations, ventilation systems, energy star-rated certified equipment, and lighting systems.

Moreover, Al-Furat Al-Awsat Technical University has different policies such as an energy consumption reduction program policy, a renewable energy usage policy, and a greenhouse gas reduction program policy.

The policy of constructing buildings was followed to take into account the use of renewable energy from the sun and wind to feed the buildings and reduce the consumption of electrical energy

- The main points of policy are listed below;

1. Proposals for the development of university buildings and their formations following the requirements of modern facilities through introducing the following changes:
 - 1.1 It is replacing all old lighting systems with new energy-saving ones such as LED lights.
 - 1.2 Replace all old electrical devices with star-rating energy-saving ones—these include air-conditioning systems, refrigerators, fans, and other office-related equipment.
 - 1.3 Changing or upgrading all old ventilation systems with advanced and more efficient ones.
 - 1.4 Providing all old buildings with thermal installation systems.
2. The university issued several instructions, including rationalizing the consumption of electrical energy by turning off devices and lighting after use or at the end of working hours and using devices that consume less electrical energy.
3. Proposal to form committees from the chancellery staff to carry out a comprehensive study of each project including the costs and conduct an annual examination and evaluation of the completion rates provided that the report is submitted at the same date for each year
4. It aims to cut down the electrical consumption rate, thereby adopting renewable energy sources that ultimately reduce CO2 emissions. It is proposed to supply,



install and maintain solar and wind energy systems at all university chancellery buildings and their related sites since ATU has the proper specialized engineering and technical team to carry out such tasks.

5. Proposal to address all ministries, government departments, and the private sector, the university's readiness to equip and install solar energy systems at discounted prices not to exceed the cost price as a contribution from ATU to develop and better serve the local and national societies.
6. To reduce the carbon dioxide emissions within the ATU sites, it is the proposal for establishing special patches that control and reduce the number of vehicles allowed to travel or park inside all ATU campuses and build new parking areas for students' vehicles outside the ATU main campus and its related sites as well as expanding planted and green areas inside ATU sites.
- 7- Al-Furat Al-Awsat Technical University and all its parts depend on saving energy by paying close attention to energy management systems. All parts of the university can depend on their own energy-saving potential by means of saving energy devices e.g. fans , LED Lamps and ..etc.

Objectives of the Policy

- 1- Preparation programs in energy conversion and management in educational institutions, universities, and boards in the courses.
- 2- 65% renewable energy usage within ATU by 2030.
- 3- New buildings is planned, constructed, and implemented considering renewable energy.
- 4- Appropriate experts and professionals are licensed to design sustainable buildings.
- 5-Avoiding establishing cooperation with carbon-intensive bodies dependent on fossil fuel.

3.2.2. Policy to Ensure that Food on Campus that Comes From Aquatic

Food service providers at ATU must use only fresh and locally sourced meat, milk, and eggs in all meal preparations.

- provide free drinking water to students, staff, and visitors, where the water dispensers are distributed inside all buildings at BUC to allow refilling of water bottles.
- Food service providers at ATU are also encouraged to use biodegradable or recyclable food packaging for food prepared



- ATU also works closely with its food suppliers to ensure that its sustainable food agenda is followed.
- Waste is normally separated on Campus and a strategy is currently applied for plastic recycling through an agreement with the government.

3.2.3. Ecosystems is Sustainably Harvested

The basis for the policy is the application of the following laws, rules, regulations, controls, and directives designed to ensure the avoidance or limitation of plastic use through university activities:

- Making sure that all food served on campus comes solely from sustainable sources.
- Utilizing the lessons learned from the implementation of such policies in industrialized nations.
- Putting into action strategies that contain specific policies to make sure that food served on campus originates from environmentally friendly harvesting methods and to keep an eye on their execution at the university.
- Basic nutrients including vitamins, proteins, and carbohydrates are required in the meal, which is often made from plant, animal, or fungal sources.
- Establishing the health center at the university and the role of health control to look into the food served at the campus cafeteria and eateries.
- Negotiating with specific businesses to supply the university's affiliates and students with meals in accordance with this policy

Beneficiaries of the Policy:

The following major departments and offices are to be notified following ratification and distribution:

- Ministry of Higher Education and Scientific Research and its departments;
- Al-Furat Al-Awsat Technical University : the University Chancellor; the University Vice-Chancellor for Administrative and Financial Affairs; the University Vice-Chancellor for Scientific Affairs; all



Republic of Iraq
Ministry of Higher Education & Scientific Research
AL-Furat AL-Awsat Technical University



Deans at the university colleges and Institutions; all University centers and departments; Quality Assurance Department; Legal Affairs Department.

- Ministry of Health.
- Ministry of Water Resources and Environment