



CLIMATE ACTION PLAN POLICY

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UNIVERSITI SELANGOR CLIMATE ACTION PLAN POLICY

Purpose

Universiti Selangor (UNISEL) affirms its commitment to combating climate change by adopting ecologically conscious practices in its operations, research, teaching and community engagement. The university aims to support global efforts to mitigate climate change, enhance resilience and implement a focused climate action plan for a sustainable future.

Scope

This policy applies to all university stakeholders, including students, staff, faculty, administration and external partners involved in the university's activities.

Objectives

- (a) Minimize the university's carbon footprint through efficient resource utilization
- (b) Foster a campus culture of sustainability and climate consciousness
- (c) Lead in climate change research and education to influence global and local practices

Strategies for Climate Change Action

Addressing climate change requires a multi-faceted approach that combines technological advancements, sustainable practices, and active community participation.

Strategy 1: Improvement in Energy Efficiency and Conservation

- (a) Upgrade existing buildings with energy-efficient systems such as LED lighting and smart HVAC (Heating, Ventilation and Air Conditioning) systems
- (b) Incorporate energy-saving technologies into all new construction projects
- (c) Encourage behavioral changes among staff and students to reduce energy consumption such as turning off unused lights and equipment
- (d) Set annual energy reduction targets to track and achieve incremental improvements

Strategy 2: Use of Renewable Energy and Energy Storage Systems

- (a) Transition to practical renewable energy sources namely solar and wind for campus energy needs
- (b) Install on-campus renewable energy infrastructure, including solar panels and wind turbines
- (c) Invest in energy storage systems to ensure a consistent and reliable power supply.
- (d) Partner with energy providers to support green energy initiatives and off-campus renewable energy sourcing
- (e) Explore and pilot innovative renewable energy solutions through collaboration with researchers and industry leaders.

Strategy 3: Enhancement in Transportation Options

- (a) Promote sustainable transportation options such as cycling, walking (facilitate with efficient pedestrian pathway) and carpooling
- (b) Provide incentives for the use of electric and hybrid vehicles including charging stations on campus
- (c) Expand and improve public transportation access to the university
- (d) Provide regular and free shuttle services within the campus
- (e) Introduce a bike-sharing program and create more bike-friendly infrastructure
- (f) Develop policies to reduce reliance on single-occupancy vehicles such as parking restrictions, car-free day and shared rides

Strategy 4: Recycling and Reduced Waste Streams

- (a) Implement a campus-wide waste management program focused on recycling, composting and landfill diversion.
- (b) Reduce the use of single-use plastics by promoting reusable alternatives and eco-friendly packaging
- (c) Install clearly labeled recycling bins in all university buildings and outdoor spaces.
- (d) Organize awareness campaigns to educate students and staff on proper waste segregation and reduction
- (e) Collaborate with local organizations to manage e-waste and hazardous materials responsibly.

Strategy 5: Development of Cutting-Edge Climate Change Research and Teaching

- (a) The Research Management Centre (RMC) and other related units are responsible for carrying out tasks dedicated to climate change mitigation, adaptation and sustainable technologies
- (b) Encourage interdisciplinary collaborations to address complex climate challenges
- (c) Integrate climate change topics into curricula across disciplines
- (d) Provide funding and resources for faculty and student research projects on climate solutions
- (e) Host workshops, conferences and public seminars to disseminate research findings and promote climate literacy

Review and Updates

Measurable goals should be established for each strategy with progress tracked on an annual basis. Additionally, an annual Climate Action Report should be published to highlight achievements, address challenges and outline the way forward.

This policy is approved by the UNISEL Executive Committee on 23 December 2024 and shall take effect on 2 January 2025. This policy will be reviewed periodically to ensure alignment with evolving climate science, technology and global standards.

Enforcement

All members of the university community are expected to contribute to the successful implementation of this policy actively.