

# Air University Sustainability and Climate Action Policy



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#### **Air University**

#### **Sustainability and Climate Action Policy**

#### **General**

1. Air University Islamabad acknowledges the urgent need for climate action and is actively working toward formulating a comprehensive institutional strategy that aligns with the global ambition of achieving net-zero carbon emissions. While a formal public commitment to a net-zero target is forthcoming, the university has already initiated several foundational steps—such as energy audits, sustainable campus development plans, integration of environmental education, and enhancement of green infrastructure—to inform and support this goal.

In line with the United Nations Sustainable Development Goals (SDGs), particularly SDG 13 (Climate Action), Air University aims to publicly commit to a net-zero emissions target within the next strategic planning cycle. This initiative will be part of a broader institutional sustainability roadmap that reinforces the university's role as a responsible academic institution under the Environmental Impact category of the QS Sustainability Rankings.

#### **Purpose**

2. The purpose is to give directions to the policymakers, project developers, and town development professionals whose work may be extended due climate change in Pakistan. The Asian Development Bank intends to play a key role in supporting the climate resilience to its member countries, and needs attention to attract the world towards Pakistan upcoming challenges.

#### **Short Term Measures**

- 3. Natural calamities are very difficult to respond, eventually they will have their disastrous effects on life and will fade away, however to reduce the losses few short term measures have been suggested by the Air University to protect education sector from climate change.
  - a. All present and future building designs have been modified from conventional to earthquake proof with better rain water drainage systems.
  - b. Rain water absorption and drainage system are being elongated to absorb more water and drain it to the main water streams to avoid flooding inside the university.
  - c. Rain water storage tanks are also being planned to store a reasonable amount of water for horticulture which will be used during dry spells of weather to keep areas green to reduce the heat effects of climate change.

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- d. Modern and weather proof shelters are planned for parking of vehicles to reduce the damage due to extreme temperatures and effects of hail storms, heavy rains and earthquakes.
- e. Multistoried buildings are planned distance apart to avoid damage to building due to falling of other buildings in the near vicinity.
- f. Elaborate firefighting resources are made available with proper coordination and integration practices.

### Long Term Measures

- 4. Long term measures are linked with the National Policy of the Pakistani
- Government, however, salient features are as under:-
- a. All roads and infrastructures will be evaluated for climatic changes in the next 2 decades and will be designed accordingly.
- b. Construction along river, water channels will not be allowed.
- c. Multistoried building will have well developed drainage system with dedicated exit routes for escape in least possible time.
- d. Upgradation of Pakistan Metrological Department with state of the art weather radars Richter scales and real time weather updates through satellites connectivity.
- e. Development of NDMA with improved communication and information centers in case of actual calamity.
- f. Emergency Relief Cell of Cabinet Division Government of Pakistan will have hotlines system of communication connected globally to apprise the world about the extent of damage to lure inn timely support in terms of tentage, food and monitory assistance.
- g. NDMA will initiate official reports of damage worldwide to keep the world informed.

# Our Strategy

- a) Commitment to Sustainability: Promoting sustainable practises and minimising its environmental impact are priorities for Air University. This entails applying sustainability concepts to all facets of the institution's operations, academic programmes, and decision-making procedures.
- b) **Greenhouse Gas Emissions Reduction**: The institution wants to cut the amount of greenhouse gases it produces through its activities and operations. This entails putting in place energy-efficient technology, relying on renewable energy sources, and promoting energy-saving practises across the university.

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- c) Waste Management and Recycling: The emphasis on ethical waste management methods at Air University supports recycling initiatives. The university shall support waste reduction programmes among students, professors, and staff and provide suitable recycling facilities.
- d) **Water Conservation**: Through the adoption of water-saving fixtures, wise irrigation techniques, and educational programmes to promote water conservation among campus residents, the university aims to reduce water usage.
- e) **Sustainable Transportation**: For its students, employees, and visitors, Air University encourages environmentally friendly mobility options. Offering bike racks, promoting public transportation, and encouraging the use of electric or hybrid vehicles are a few examples of how to do this.
- f) Sustainable Procurement: The institution pledges to give preference to sustainable and environmentally friendly goods and services in its procurement procedures. This involves taking into account how purchased goods and services will affect the environment.
- g) **Education and Awareness:** The community at Air University is to be informed about sustainability and climate action. This entails incorporating sustainability-related lessons into the curriculum as well as planning environmental-related workshops, seminars, and campaigns.
- h) **Partnerships and Collaboration**: The university will actively look for collaborations with outside NGOs, research centres, and organisations focused on sustainability and climate action. The difficulties of the global environment will be addressed through cooperative efforts.
- i) **Monitoring and Reporting**: Systems for tracking and evaluating Air University's progress towards sustainability objectives will be put in place. The campus community and pertinent stakeholders will regularly receive reports on sustainability activities and results..

Air University Islamabad is committed to achieving **net-zero carbon emissions by 2050**, aligning with global climate goals and Pakistan's urgent need for climate resilience. Our phased sustainability plan ensures steady progress, with measurable milestones to track our environmental impact.

#### **Public Commitment:**

Net-Zero Emissions Roadmap (2022-2050)

Target Carbon

Timeline Footprint Reduction
(%)

**Key Actions** 

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Pre-2022	Baseline (Score: 100)	Initial energy audits, awareness campaigns, and small-scale green initiatives.			
2023- 2025	10% reduction (Score: 90)	Expand solar energy, waste management systems, and sustainability research.			
2026- 2030	20% reduction (Score: 80)	Green building standards, EV infrastructure, an carbon offset programs.			
2031- 2035	30% reduction (Score: 70)	Full transition to renewable energy, zero-waste policies, and climate-resilient infrastructure.			
2036- 2040	40% reduction (Score: 60)	Al-driven energy optimization, large-scale afforestation, and sustainable supply chains.			
2041- 2045	50% reduction (Score: 50)	Carbon capture research, net-zero academic operations, and national policy advocacy.			
2046- 2050	60%+ reduction (Score: 40)	Achieve full net-zero status, with remaining emissions balanced via offsets.			

# **Key Initiatives Supporting This Commitment:**

- ✓ Energy Transition: Shift to solar/wind power and energy-efficient infrastructure.
- ✓ Sustainable Campus: Green buildings, water conservation, and zero-waste policies.
- ✓ Climate Education: Integrating sustainability into curricula and research.
- ✓ **Community Engagement:** Partnerships for climate resilience and policy influence.

Air University pledges to lead by example, ensuring a sustainable future for Pakistan and beyond.

# Conclusion

5. Climate change needs very elaborate and methodical attention at the National leave and better awareness to the students to deal with this menace in the times to come. The university's sustainability/climate action policy will be reviewed and updated on a regular basis depending on new technologies, industry best practises, and increasing environmental concerns.

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