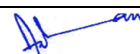


# Air University

## Sustainability and Climate Action Policy



Formulation of Policy:	17 Sep. 2024
Revision Date:	1 Jan. 2025
Revision Number:	01
Due Date for next Revision of Policy:	01 Dec. 2025
Prepared by:	Office of Director Quality
Approved by:	Vice Chancellor Air University Islamabad
Document Control Number:	IBD/AU/QEC/Policy/01

OPI	Date of Issue	Page No.	Signature
Office of Director Quality	01 Jan 2025	Page 1 of 4	

## **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.

OPI	Date of Issue	Page No.	Signature
Office of Director Quality	01 Jan 2025	Page 2 of 4	

- 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.

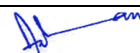
### **Long Term Measures**

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.

OPI	Date of Issue	Page No.	Signature
Office of Director Quality	01 Jan 2025	Page 3 of 4	



<b>Pre-2022</b>	Baseline (Score: 100)	Initial energy audits, awareness campaigns, and small-scale green initiatives.
<b>2023-2025</b>	10% reduction (Score: 90)	Expand solar energy, waste management systems, and sustainability research.
<b>2026-2030</b>	20% reduction (Score: 80)	Green building standards, EV infrastructure, and carbon offset programs.
<b>2031-2035</b>	30% reduction (Score: 70)	Full transition to renewable energy, zero-waste policies, and climate-resilient infrastructure.
<b>2036-2040</b>	40% reduction (Score: 60)	AI-driven energy optimization, large-scale afforestation, and sustainable supply chains.
<b>2041-2045</b>	50% reduction (Score: 50)	Carbon capture research, net-zero academic operations, and national policy advocacy.
<b>2046-2050</b>	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 level 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 practices, and increasing environmental concerns.

OPI	Date of Issue	Page No.	Signature
Office of Director Quality	01 Jan 2025	Page 5 of 4	