



AFE BABALOLA UNIVERSITY CLIMATE PLAN 2020-2022



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1. INTRODUCTION

Afe Babalola University (ABUAD) has great concern for the conditions and quality of life of future generations. In recent years, as a member of the United Nations Academic Impact (UNAI) the university the university actively participates in fulfilling the United Nations Sustainable Development Goals.

The ABUAD Climate plan for the year 2020-2025 defines the objectives and activities of the University as well as the basis for these activities. The document is composed and divided into 4 parts:

- 1. Sustainable consumption of natural resources and energy.**
- 2. Responsible production and consumption.**
- 3. Sustainable management**
- 4. Community engagement.**

This framework document constitutes guidelines in our efforts to protect the environment. We forecast a periodic evaluation of the assumptions of the Climate Plan and its possible adjustments, which will enable us to achieve the goals established by ABUAD.



1. SUSTAINABLE CONSUMPTION OF NATURAL RESOURCES

Our primary target is to reduce carbon emissions to barest minimum by 2022

ABUAD will conduct an annual calculation of the carbon footprint and monitor its progress. Our intention is to significantly reduce the consumption of natural resources and energy. This involves energy savings, as well as changing the attitudes of employees, students and external stakeholders.

Renovation of facilities on our campus involves a reduction in energy demand, while the newly created facilities are designed to the most possible energy-efficient standard, even aiming at zero-emission, in an environmentally friendly manner while using innovative, advanced technologies. In order to reduce greenhouse gas emissions, wherever possible, we will use energy-saving solutions that make the maximum use of renewable energy.



ABUAD will implement a monitoring system for building power, heat, and water usage and identify opportunities for improvement on an ongoing basis.

Another component of resource utilization is water usage and wastewater production. It is linked to the high number of students and workers on campus every day, as well as the importance of maintaining good hygienic conditions. We do, however, wish to dramatically minimize our water consumption. We intend to install sanitary facilities in ABUAD, thereby reducing water consumption. Rainwater will also need to be collected and used on our campus.

With the aim of replacing natural fossil energy supplies, ABUAD built the Bogoro Research Center, a university-wide, interdisciplinary research and industrial centre that houses the ABUAD's Hydrogen Research Unit.

One of the task of the centre is to coordinate research, design and expert works aimed at the construction of modern renewable energy technologies such as hydrogen, which would be the foundation for the development of Nigeria's economy and energy and a trade mark of ABUAD.



SUSTAINABLE CONSUMPTION OF NATURAL RESOURCES

STRATEGIC GOAL	ACTIVITIES	TIMELINE/ DEADLINE	ACTION BY WHOM	PERFORMANCE INDICATOR
Reduction of power consumption	Conducting energy inspection in ABUAD Tech facilities - identification of places requiring increased energy efficiency	September 2021 and every month in 2022	Vice- -Chancellor, Director of Works and Planning, Head Energy Unit, ABUAD Energy Committee	Inspection report
	Extension of the energy consumption monitoring and reporting system in ABUAD facilities	March 2021	ICT Director, Director of Project, E-learning Unit Head, and Director of Quality Assurance	Measurement of power consumption in ABUAD buildings
	Implementation of the activities following the conducted energy inspection	2021 -2022	Vice- -Chancellor, Director of Works and Planning, Head Energy Unit.	Implementation of corrective measures
Adoption of Renewable energy	Installation of photovoltaic panels on selected ABUAD buildings	2020-2022	Vice- -Chancellor, Director of Works and Planning, Head Energy Unit, ABUAD Energy Committee	Increase in the amount of energy produced from hydro, biodiesel, Solar PV installation by 80% compared to 2020
Energy-saving construction	Implementation of ABUAD Policy regarding the design of new and renovated ABUAD buildings, in accordance with energy efficiency and for higher energy efficiency standards	2021 - 2022	Vice- -Chancellor, Director of Works and Planning, Head Energy Unit, The University Bursar	Policy on designing new buildings and renovation of existing buildings in accordance with energy efficiency standards
Awareness Activities	Educational Awareness and campaign on saving electricity oriented to employees and students	2021 - 2022	University wide seminars and workshop on Energy Savings	Head Energy Unit, ABUAD Energy Committee, ABUAD Energy Committee ABUAD Press

2. RESPONSIBLE CONSUMPTION AND PRODUCTION



We aim to promote sustainable consumption and production.

We have always strived to reduce our influence on climate change through efficient waste management and reduction of waste production.

In order to enhance recycling, reduce the use of single-use items, and reduce the possibility of harmful substances entering the environment, we intend to improve and distribute our laws on waste segregation, including hazardous waste. The primary focus of the university's efforts to achieve sustainability is on-campus trash management.

We intend to create and carry out programs and initiatives that will encourage students and staff to use fewer plastic and paper products. In our laboratory, we will also continuously track and assess the volume of garbage produced.

We are certain that the environment will benefit from our investments. Environmental considerations should be incorporated into our purchase procedure. In collaboration with the procurement team, we will establish possible environmental considerations in the purchase criteria. By doing this, we will be able to reduce not only our carbon footprint as well as its harmful effects on the ecosystem.



EFFECTIVE WASTE MANAGEMENT

STRATEGIC GOAL	ACTIVITIES	TIMELINE/ DEADLINE	ACTION BY WHOM	PERFORMANCE INDICATOR
Effective Waste Management and at ABUAD	Development of guidelines for for proper waste Disposal	September 2021 and continuous	ABUAD environmental officers Head, ABUAD Cleaners, ABUAD Committee on Waste management	Guidelines for employees and students on the principles of waste segregation on campus and in private life
	Proper control of waste container in ABUAD buildings and dormitories	March 2021 - 2022	ABUAD environmental officers Head, ABUAD Cleaners, ABUAD Committee on Waste management	Measurement of waste managed in ABUAD buildings and environs
Reduction of Plastic Waste	Reduction of plastic distributors with water in ABUAD buildings	2020-2022	Vice- -Chancellor, Director of Works and Planning, Head Energy Unit, ABUAD Energy Committee	Zero littering of campus with plastic bottles owing to the recycling factory running in ABUAD
	Encourage students and Staff members to drink tap water and use reusable bottles	2021 - continuous	The Vice Chancellor, ABUAD Environmental Unit, ABUAD Waste management Committee	Fully implemented in ABUAD in 2022
Reduction in paper consumption	Implementation of electronic document flow	2021 = continuous	The Vice Chancellor, ABUAD Environmental Unit, ABUAD Waste management Committee	98% of documents in electronic circulation compared to the baseline year of 2020
	Implementation of a mandatory signature in employees' emails: do not print if not necessary / please do not print if not necessary	2021 - continuous	The Vice Chancellor, ABUAD Environmental Unit, ABUAD Waste management Committee	4% less paper and toners used in 2022 compared to 2020
Waste Reduction Awareness Programs	Sensitization program on proper waste disposal, reduction and management	2021 and continuous	ABUAD Environmental unit ABUAD Press, ABUAD Waste management Committee	University wide seminar and sensitization program on proper waste disposal, reduction and management.

3. SUSTAINABLE CAMPUS MANAGEMENT



We intend to expand green area development plan on campus for further biodiversity development.

ABUAD Campus is one of the most beautiful campuses in Nigeria. The university has environmentally friendly buildings in green areas. There are parks, large areas for picnics, and a 10,000 capacity stadium for sports activities.

There are nearly 100,650 trees within and around the campus environment. We wish to protect nature on campus and enhance the amount of green space suitable for various plant and animal species. Monitoring and preserving green spaces is a major duty for a team of gardeners who manage the area in a sustainable manner. We aim to continue the biodiversity development initiatives on campus.



ABUAD intends to become the most important academic institution in the country with a substantial investment strategy while also meeting the most essential challenges of today's globe. Construction of new buildings, such as the ABUAD Industrial Park and the Bogoro Research Center, which is pioneering some climate-based research at the university, as well as the university's recently reconstructed and modernized student dormitories, were all carried out in accordance with sustainable standards wherever possible.

Future investments in ABUAD will be carried out entirely in accordance with the principles of sustainable development.

4. COMMUNITY ENGAGEMENT

We will ensure ABUAD faculty members and staff understand the aims of environmental protection and sustainable development in order for them to become part of our institutional culture.

We have existing programs and new curricula connected to sustainable development that have been developed to ensure that our students gain practical knowledge about sustainable development and are prepared to take action on the most pressing global concerns in the future. **ABUAD has graduated approximately 10,453 well-educated students since 2010. Many of them are active members of the ABUAD Alumni Association, which seeks to keep graduates in touch with their home faculties at ABUAD.**

The university shares this climate change plan document with local, state and federal governments, Non-governmental organizations, corporate, professional, and social organizations, and is active in a variety of university activities. So as ensure full implementation of its climate change plan.

We continue to offer our academic community the opportunity to complete an online course on sustainable development, and in the future has included it in the mandatory training for all staff.

We are convinced that by sharing our knowledge and skills and helping others, we can contribute to lasting social changes, promoting attitudes of openness and tolerance. Our activities are aimed at increasing the social activity of students and employees, supporting various forms of voluntary activities or establishing cooperation with organizations and institutions that provide help to those in need.

We are aware that we also have a significant impact on the local community. ABUAD carries out the third mission of the university, the so-called social responsibility of science. Our activities will not be limited only to the university, because what surrounds us is an important part of our city and here we will start positive environmental changes.





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