AMERICAN UNIVERSITY OF NIGERIA, YOLA, NIGERIA
Energy and Utilities Sustainability Master Plan

Effective Date: May 14, 2016
Last Date of Review: May 14, 2024
Due for Review: May 14, 2025

PURPOSE
The American University of Nigeria (AUN) has established an Energy and Utilities Sustainability Master Plan to serve as a strategic guide for achieving long-term objectives that align with the university's mission as a "development university." This plan targets the enhancement of energy efficiency and conservation practices throughout all campus buildings, management houses, and facilities.

POLICY DESCRIPTION
This plan creates a framework for operational standards, acceptable practices, and protocols that support the University's Strategic Plan 2024-2029. Its focus is on advancing academic excellence, generating a positive community impact, and fostering innovation to promote social transformation.

The plan details strategic partnerships, initiatives, and programs that will oversee sustainable operations, budgeting, and planning throughout the University.

POLICY STATEMENTS
1. **90% Renewable Energy by 2029:** AUN aims to transition to 90% renewable energy sources, primarily solar power, across campus by 2029. This will involve divesting from carbon-intensive energy sectors, enhancing renewable energy production and distribution, implementing demand reduction strategies, and promoting behavioral changes regarding energy consumption.

2. **Reduce Carbon Emissions:** AUN seeks to decrease Scope 1 and Scope 2 carbon emissions by 40% by December 31, 2029, using FY2019 as the baseline year. The university aspires to achieve carbon neutrality by 2045.

3. **Net Zero Energy Consumption**: AUN facilities must limit total energy consumption by the utility plant to FY2019 levels. This initiative aims to accommodate campus growth while ensuring that energy usage stays below the previously established baseline, thereby maintaining "world-class" energy services to support AUN's ambitions as a leading university in Nigeria. In line with this, AUN is a member of 'Race To Zero", commits to climate action since 2021. , and the Student Team Advancing Regional Sustainability (STARS) club will continue a "Go Green campaign" to achieve this fit.

4. **4000 kW Solar Energy Supply on Campus:** AUN plans to install 4000 kilowatts of solar capacity on campus by December 31, 2029. The university will leverage innovative financing and partnerships to ensure that on-campus generated renewable energy is utilized effectively for its operations. The energy team established the university guidelines for using the Installed Solar Power Systems, and custodians will ensure its compliance.

5. **Electric Vehicles (EV) by 2029:** As the adoption of EVs becomes increasingly feasible in Nigeria, AUN aims to be the first university in the country to completely transition its transportation management fleet to electric vehicles by December 31, 2029. The university will assess and enhance its electric infrastructure to support the needs of its EV fleet as well as commuting students, faculty, and staff. This is in line with the awareness programs of hybrid devices usage by the school engineering, the Electrical & Electronics Engineering program.

6. **Energy Efficiency and Lights Out Program:** In alignment with AUN's Conservation Policy, the Office of Sustainability, along with facilities management, will initiate a Volunteer Lights Out Corps program. This initiative encourages community members to reduce energy waste by turning off unused lights, particularly at night and during weekends. Participants will be encouraged to dedicate brief moments to check and turn off lights in various buildings.

7. **Reduce Water Consumption:** The plan includes a goal to cut potable water consumption for plant operations and irrigation by 40% by December 30, 2029 (FY29), using FY2019 as the baseline. Managing water resources efficiently is essential for the university's operational success.

8. **Stormwater Management Strategies:** The university will develop effective strategies to mitigate and eventually eliminate stormwater overflow on campus, aiming for sustainable water management practices.