



EEP in AE-FUNAI

A story of gladness and progress

**A status Update
Presented by VC, AE-
FUNAI at the Phase II
Stakeholders Meeting
*Abuja, 02.03.2020***





Thank you

AE-FUNAI thanks the President of the Federal Republic of Nigeria, His Excellency Muhammadu Buhari and the Management of REA for the Solar Hybrid Power Plant commissioned in AE-FUNAI on August 2, 2019 as part of the Energizing Education Programme (EEP) Phase I





Professor Chinedum Nwajiuba, Vice-Chancellor of Alex Ekwueme Federal University, Ndufu-Alike (AE-FUNAI), at the Commissioning of Nigeria's First Energizing Education Programme (EEP) Project In AE-FUNAI by His Excellency, Professor Yemi Osinbajo, SAN, GCON, Vice President of the Federal Republic of Nigeria, August 2, 2019

“The project you have come to commission will remain a milestone in the history of our university, and our country.

“This university has just one simple way to express our joy and that is to say, this government has made us to be truly proud of our country and her government”.



About AE-FUNAI

- Alex Ekwueme Federal University Ndufu-Alike (AE-FUNAI) is a young federal institution, established 9 years ago, 2011
- It has a student and staff population of over 10,000
- AE-FUNAI has long expressed its vision of becoming a green and climate-resilient university





The situation prior to the EEP

- The campus ran almost entirely on generators powered by fossil fuels;
- In the best of times, 9 hours of electricity in the day and 4 hours at night;
- This affected water supply, lighting and use of equipment (including) multimedia in classrooms; lighting and hygiene in the hostels; learning and research activities in the laboratories; productivity; hygiene; etc.
- Record of snake bites at night due to dark streets.



Turning Point

- **By 7 AM on Wednesday July 24, 2019, AE-FUNAI marked its first 24 hours of uninterrupted electricity, thanks to the EEP executed by REA .**
- It was, literally, magical!
- It remains something for which we appreciate our government and our country.





Important Points About the EEP in AE-FUNAI

The EEP in AE-FUNAI consists of:

1. Power plant;
2. Distribution infrastructure;
3. Street light infrastructure & installation;
4. Training & research centre;
5. Post-commission management and maintenance of the facility;
6. etc.





(Contd.) Important Points About the EEP in AE-FUNAI

7. The peak power rating of the Solar PV component of the project is 1 MW;
8. The cumulative peak power rating of the entire Solar Hybrid Power Plant (Solar PV + Battery Bank + Generating Sets) is 2.84 MW;
9. Intended for 24 hours uninterrupted power supply;
10. As at commissioning date, the peak University Electricity Load was less than the output from the Power Plant; this is changing, though.



Our experience so far

- 1. Reliable and constant supply of electricity** to our student hostels, staff quarters, offices, laboratories; thereby providing a better environment for teaching, research and learning;





(Contd.) Our experience so far

2. Improved water supply, as the boreholes which provide water, are powered with electricity





(Contd.) Our experience so far

3. Savings of huge sum of money that would have been expended on procurement of diesel for our generating sets and maintenance of same;





(Contd.) Our experience so far

4. Contribution to Climate Resilience and Mitigation

- The EEP in AE-FUNAI is helping Nigeria to achieve her commitments under the PARIS CLIMATE AGREEMENT and the NATIONALLY DETERMINED CONTRIBUTION to reducing global warming;
- With it, we are supplanting about 424.4 tones of CO₂e per annum by shifting from Diesel to renewables, especially solar;





(Contd.) Our experience so far

5. **Reduced cases of snake bites** owing to lighted streets;

**Snake bite
safety**



(Contd.) Our experience so far

6. **Improved security** at night owing to street lights and constancy of current;





(Contd.) Our experience so far

7. 20 of our female STEM students participated in the course of the construction of the project on the directive of the MD/CEO, and we appreciate this as contributing towards achieving the SDG Goal 5 on gender equality





(Contd.) Our experience so far

- 100 of our students are currently being trained in the Renewable Energy Training and Research Centre in the facility. The training is such as can have them assess, set up, troubleshoot and fix solar energy installations as entrepreneurial undertakings.





In Conclusion

- The EEP in AE-FUNAI remains a story of progress and gladness
- The Vice-Chancellor and Management of AE-FUNAI thank the President of our Country, His Excellency Muhammadu Buhari, GCFR for approving that this project be implemented in our University.
- We also thank the Management & Staff of REA for professional execution.

