

NIGERIA ELECTRIFICATION PROJECT

ENERGIZING EDUCATION - PHASE II

Stakeholder Workshop

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WORLD BANK GROUP
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World Bank Focus on Energy Access

- **840 million** people worldwide currently live without access to any sources of electricity, and to reach universal access to electricity by 2030, an estimated 1,2 billion people will need to be provided with electricity between 2020 and 2030
- In order to reach universal electrification by **2030**, **650 million** people are estimated to be best served through options other than the main grid – i.e. mini grids and standalone solar systems
- The World Bank is increasingly prioritizing supporting national-level energy access programs that target **integrated electrification methods** – i.e. combining least-cost efforts to reach populations through the main grid, mini grids and off-grid systems

1,794
Million US\$
 Total Funding for
 Approved
 Projects

1,1
 Million US\$
 Private Sector and
 Government

31
 Countries
35

Operations
 approved by World Bank board

 INVESTMENTS APPROVED  INVESTMENT PIPELINE

400
Million US\$
 Total Funding for
 Approved
 Projects

52
 Million US\$
 Private Sector and
 Government

21
 Countries

15
Operations
 Prepared for approval by World
 Bank board

 INVESTMENTS APPROVED  INVESTMENT PIPELINE

Nigeria: Key Electricity Statistics

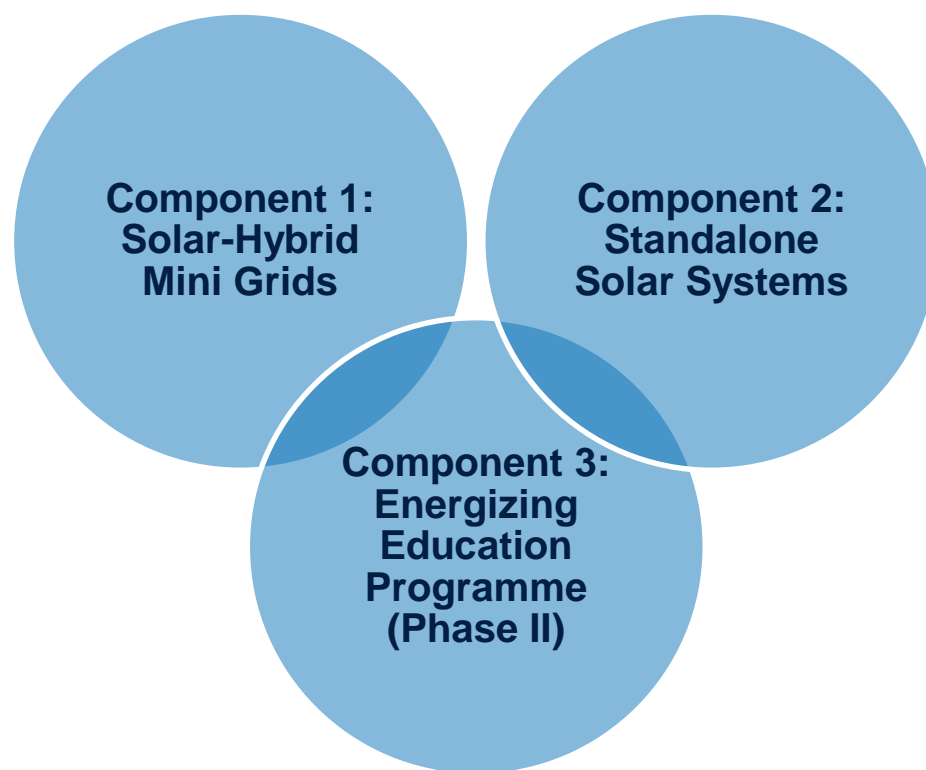
- **Population:** 190.9 million
- **Energy access rate:** 54.4%
- **People living without electricity:** ~ 85 – 93 million
- **Urban electrification rate:** 86.6%
- **Rural electrification rate:** 22.6% ⁱ
- **Installed capacity:** over 10,400 MW (thermal & hydro mix)
- **Available capacity:** ~ 6,000 MW
- **Electricity supply:** ~ 106,000 MWh/day
- **Losses due to constraints:** ~ 85,000 MWh/day (~ ₦ 1,706 billion a day)ⁱⁱ

ⁱ - Source: World Bank Data, 2017

ⁱⁱ - Source: NERC, REA, 2020

Nigeria Electrification Project (NEP)

- **US\$350 Million** project of the Federal Government of Nigeria, financed with the support of the World Bank, and executed by the **Rural Electrification Agency (REA)**
- NEP aims to promote rural electrification in Nigeria through **clean, sustainable and affordable** methods, and prioritizing unserved and underserved communities



Energizing Education Programme – Phase II

- As part of the NEP, the FGN has borrowed **US\$105 Million** from the World Bank to support Phase II of the Energizing Education Programme: provision of **7 Federal Universities and 2 Teaching Hospitals** with reliable, affordable and sustainable electricity through the construction of solar-hybrid captive power plants
- The REA is working with the Universities to develop a **Sustainability Plan** that will outline a clear pathway for the sustainable long-term operation of these systems
- The Sustainability Plan will detail the **technical, financial, operational, efficiency** and other considerations, and, together with the **Environmental & Social guidelines**, will provide a framework for the operation, maintenance and overall management of the captive power plants