



Reduce, Recycle, Renovate, Reuse

INTRODUCTION

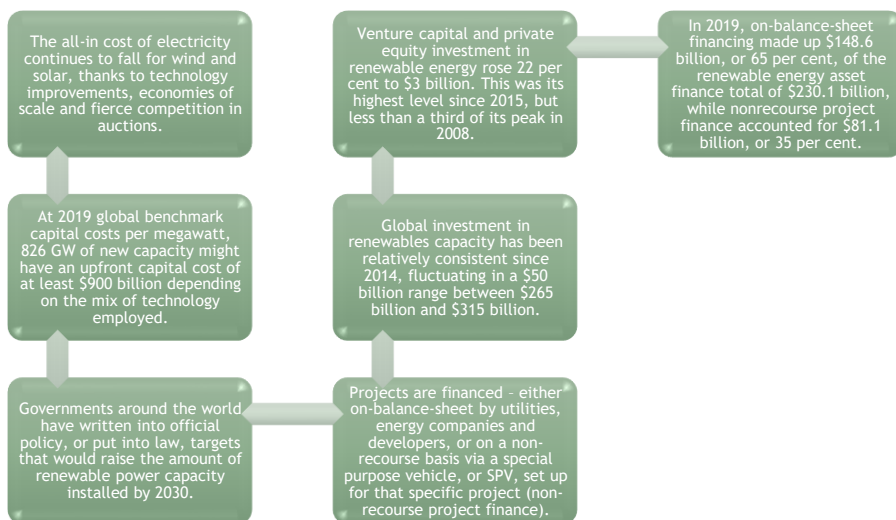
In order to aid economic growth and development, there is no doubt that the smart way is to go 'Green'. This follow up to our maiden publication is set out to dwell on the budding issues concerning the Power Sector in general with the aim of aiding economic growth and development using sustainable and environmentally conscious methods.

Green Advisors Limited is most pleased to raise the consciousness of our readers towards a Greener way of living, doing business and ultimately enhancing the economy collectively starting with this newsletter as our maiden edition.

Green Advisors Limited is poised to leave a positive footprint on the environment and creating wealth, supporting investors as well as small, medium and large enterprises seeking capital growth for their business. The environmental and ecological effect of how we invest is essential to us in the process of creating wealth.

Happy reading!

GLOBAL UPDATES IN RENEWABLE ENERGY



SOURCE: United Nations Environment Programme (UNEP), Green Advisors Research

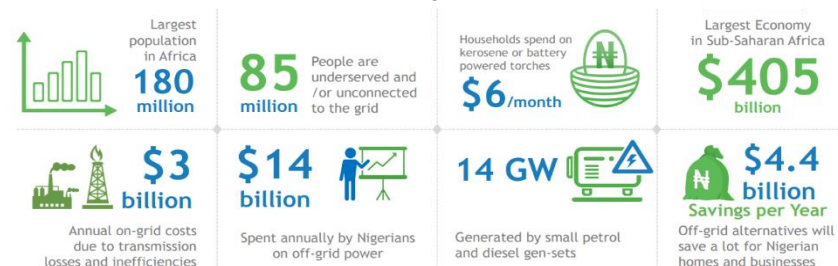
RENEWABLE ENERGY IN NIGERIA

Renewable power is increasingly being used in Nigeria to overcome supply shortages from traditional sources and extend power to previously unserved populations. Solar power is the most commonly accessed renewable source of power, though wind and biomass also make up smaller components of the energy mix.

The government aims to generate 30% of total energy from renewable sources by 2030. One area where renewables are expected to play a role is in terms of expanding access to electricity to communities beyond the reach of the grid. The Rural Electrification Agency

(REA) is the government body leading the push to develop projects to provide electricity to unserved and underserved communities. It aims to have supplied 9,388 solar panels to 5342 rural communities by 2020 and develop 10,000 mini-grids by 2023, signaling significant demand for solar components.

Nigeria is blessed with abundant renewable energy resources such as Solar, Wind, Hydropower, Biomass, Geothermal, Ocean Waves and Tides. Despite this, the Nation continues to grapple with substantial electricity deficit. Nowadays, the demand for solar arrangement as an alternate source of energy is growing very fast. This, alone, provides a vista of opportunities to entrepreneurial minds. Nigerians already spends an estimated \$20bn a year on alternative energy, including generators, candles, batteries, kerosene and charcoal. This is disposable income that could be better served by directing it to clean and reliable energy sources such as solar home kits and connections to mini-grids or transformed into an investment vehicle into the Power Sector in Nigeria.



Source: Rural Electrification Agency (REA), Green Advisors Research

THE STATISTICS ARE CLEAR!!

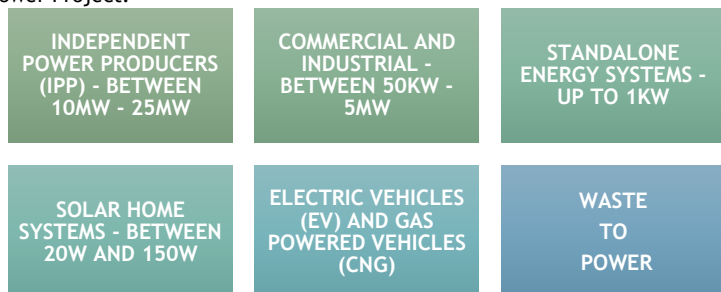
POWER REQUIRED	POWER SERVED	POWER GAP
<ul style="list-style-type: none"> 98,000 MW POPULATION OF AT LEAST 182 MILLION PEOPLE NATIONWIDE 93.5 MILLION DWELL IN THE RURAL AREA 88.5 MILLION DWELL IN THE URBAN AREA 	<ul style="list-style-type: none"> INSTALLED CAPACITY OF 12,493MW OPERATIONAL OUTPUT OF 3,904 MW 61 MILLION HAVE RELIABLE ACCESS TO POWER 40 MILLION HAVE UNRELIABLE ACCESS 89% OF POWER IS SERVED BY GAS-FIRED PLANTS AND 11% BY HYDROPOWER 	<ul style="list-style-type: none"> 81 MILLION PEOPLE HAVE NO ACCESS TO ENERGY ADDITIONAL 40 MILLION ARE UNDERSERVED 66% OF POPULATION UNSERVED OR UNDERSERVED POWER GAP STILL STANDS AT 95,000 MW INVESTMENT REQUIRED IS ESTIMATED AT \$29 BILLION A YEAR

Source: The Nigerian Energy Report (Businessday), Green Advisors Research



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The National Budget for the Power Sector in 2021 is set at NGN198 billion (inclusive of NGN150 billion for the Power Sector Recovery Plan); this translates to \$520 million which is a far cry from the needs of the country. Key projects include several Rural Electrification Projects in the 36 States and Abuja, Rural Electrification Access Programme in Federal Universities, the Kaduna LPFO Gas Fired Power Plant, the Mambilla Hydro Power Project and the Zungeru Hydropower Project.



BUSINESS OPPORTUNITIES FOR RENEWABLE ENERGY IN NIGERIA



AREAS OF OPPORTUNITY TO PARTNER WITH GREEN ADVISORS LIMITED

MARKET UPDATE

MACROECONOMIC INDICATORS	OCTOBER 2020	NOVEMBER 2020	% CHANGE
GDP GROWTH RATE(%)	(6.10) - Q2	(3.62) - Q3	69
MPC RATE(%)	11.5	11.5	0
FOREIGN RESERVES (US\$ BILLION)	35.69 bn	35.4 bn	0.82
GLOBAL NATURAL GAS PRICE (US\$/Mmbtu)	3.354	2.843	17.97
GLOBAL OIL PRICE (US\$/barrel)	40.37	48.18	16.21
FOREIGN EXCHANGE RATE(US\$/NGN)	386.01	386.01	0
INFLATION (%)	13.71	14.37	4.59

Source: CBN, www.oilprice.com, Green Advisors Research

FINANCIAL MARKET HIGHLIGHTS

INDICATORS	OCT' 2020	NOV' 2020	% CHANGE
NSE ALL SHARE INDEX	30,530.69	34,885.51	14.17
MARKET CAPITALISATION	15.957 trn	18.2 trn	14.06
AVERAGE TREASURY BILLS YIELDS (%)	0.45	1.50	233.33
AVERAGE TREASURY BONDS YIELDS (%)	4.11	5.43	32.12
EUROBOND YIELDS (%)	7.10	5.80	18.31

Source: Nigerian Stock Exchange, FMDQ, Green Advisors Research

COMMODITIES MARKET HIGHLIGHTS

30 TH NOVEMBER, 2020	COMPOSITE	MAIZE	SOYBEANS	PADDY RICE
		SUB-INDEX	SUB-INDEX	SUB-INDEX
POINTS	271.02	350.10	236.29	222.55
%CHANGE (M-o-M)	0.77	0.69	3.51	1.76
%CHANGE STD	28.77	45.11	16.99	37.26

Source: AFEX, Green Advisors Research

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