

## Increased renewable energy penetration nigeria

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Tariff variation across the regions and DisCos in Nigeria with a R2T showing the residential three-phase tariffs; b R4 showing the unique residential of the individuals with their step-down transformers; c C3 showing the commercial sector tariffs; d showing the industrial sectors tariffs; e A3 special tariffs such government residents and establishments; f L1 showing street-lightening tariffs across the all the DisCos. The dotted lines represented the planned price to be implemented in the nearest future (NERC, 2021)

The electricity power consumption in kWh per capita with a highlighting variation between countries in West Africa and b showing a variation of consumption between countries across the African continent (IEA, 2021a, 2021b, 2021c)

YNC, AG, and SS had the idea for the article. YNC performed the literature survey, analysed the data, and wrote the initial draft of the manuscript. AG, SS, and TKM critically revised and commented on previous versions of the manuscript. All authors contributed to the manuscript's completion through comments and edits of the text and figures. All authors read and approved the final manuscript.

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