Opportunities for the PNG Extractive Industry to drive Energy Access and Transition

Manu Rawali

UPNG Centre of Renewable Energy

admin@upngcore.org or mrawali@upng.ac.pg











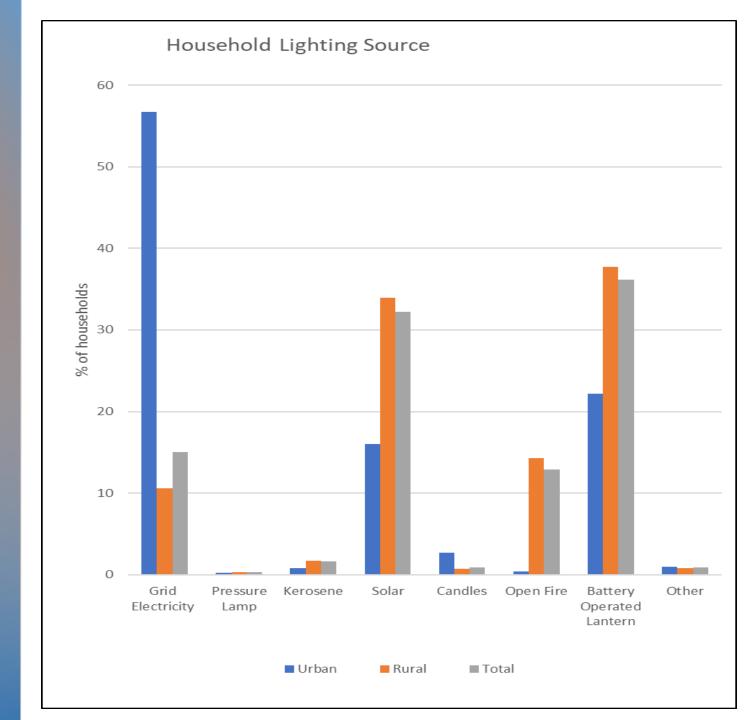


Energy Access

• Lowest energy access rate in the Southeast Asia Pacific Region including the lowest ranked in almost all development indicators.

Why?

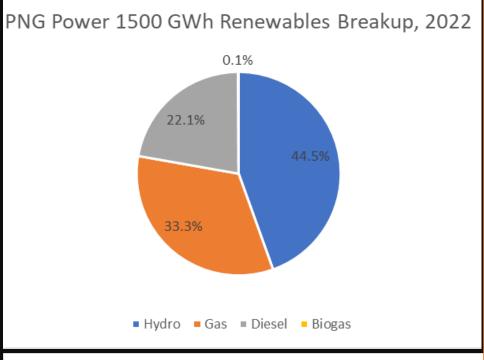
- Geography
- Very high rural population
- Sparsely scatted
- Affordability and Cost
- Human Capacity
- Utility
- Absent Leadership
- Land tenure

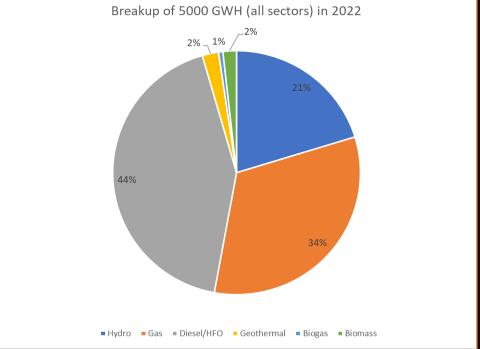


PNG's Renewables Contribution in Electricity Sector

Why the low renewables?

- Legislation
- Regulations
- Utility
- Land tenure
- High cost of doing business





Major Players in Extractive Industry are committed

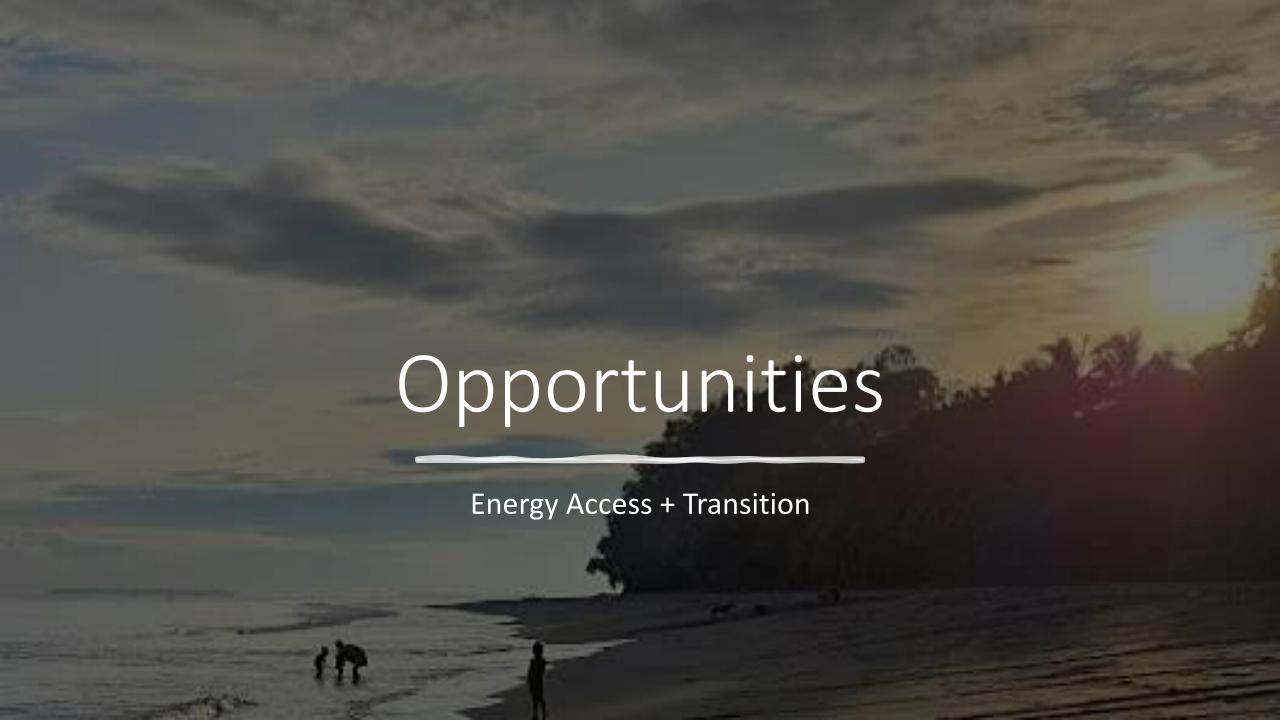
- Paris Agreement: To keep global warming to no more than 1.5°C – emissions need to be reduced by 45% by 2030 and reach net zero by 2050.
- Decarbonizing Options
 - Eliminate methane emission and slashing flaring
 - Electrifying operations/Efficiency/
 Renewables/Hydrogen
 - CCS
 - Carbon offset strategies





Award-winning carbon offset project benefitting locals

Decarbonisation Targets
net-zero by 2040
net-zero by 2050
net-zero by 2050
net-zero by 2050
net-zero by 2045
25% reduction by 2030
??



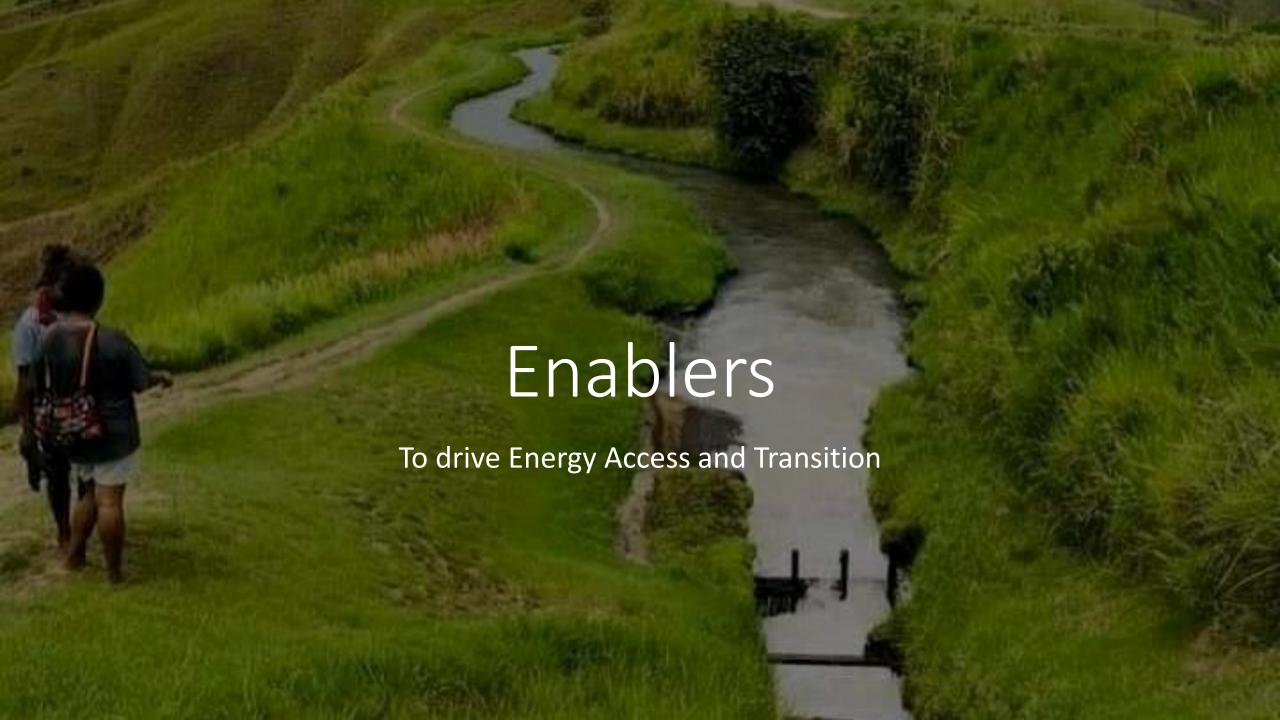
1. Geography



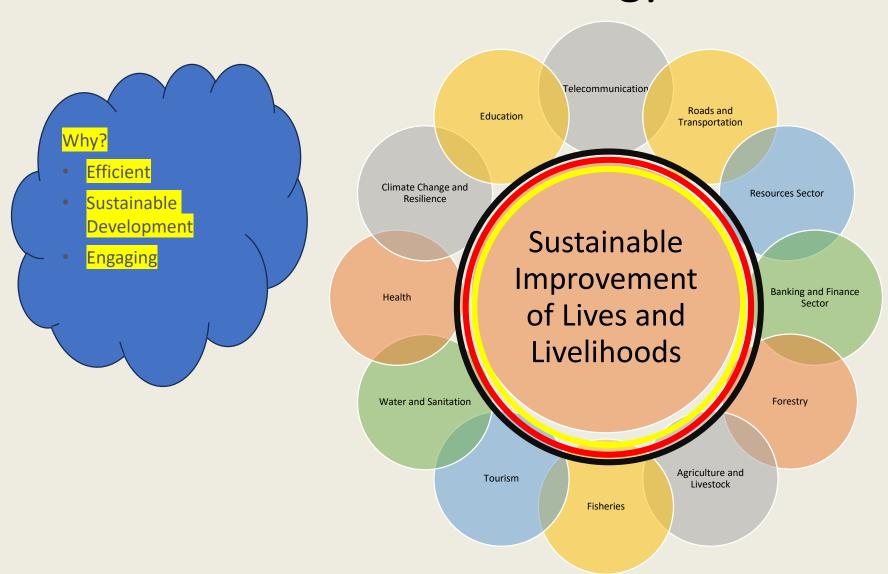






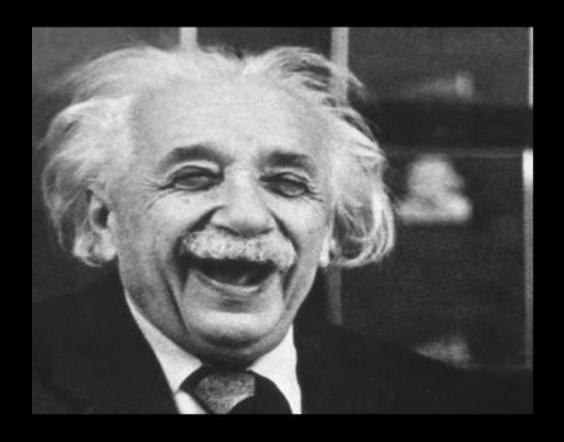


Integrated Sustainable Development Pathway to Increase Energy Access



Ring KEY:
GoPNG-Led Top-Down Drive
Energy Access
Community Empowerment

Thank you and see you during networking sessions for questions



Insanity is doing the same things over and over again and expecting different results.

- Albert Einstein



