

### NIGERIAN INTERNATIONAL ENERGY SUMMIT GAS STAKEHOLDERS CONVERSATION

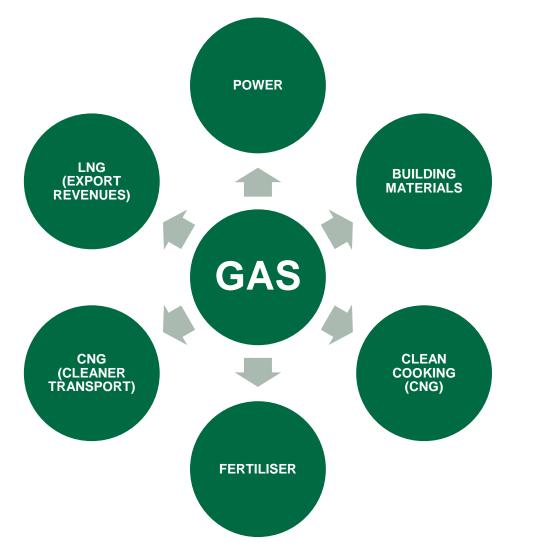
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> reliable energy, limitless potential



## THE DEVELOPMENT CASE FOR NIGERIAN GAS

An immediate solution to Nigeria's immediate problems – and a longer-term transition fuel

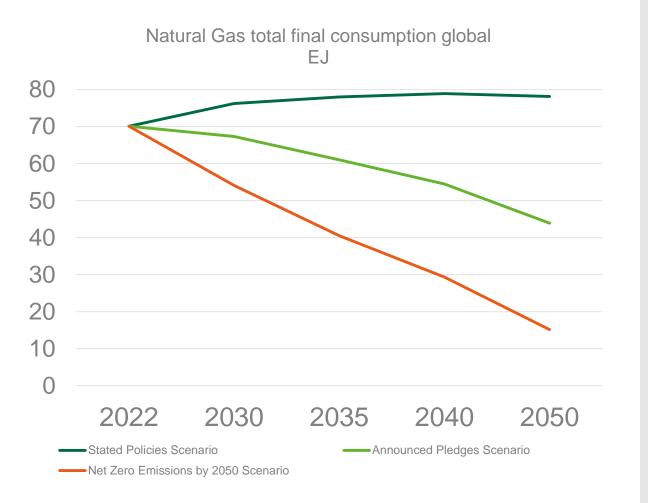


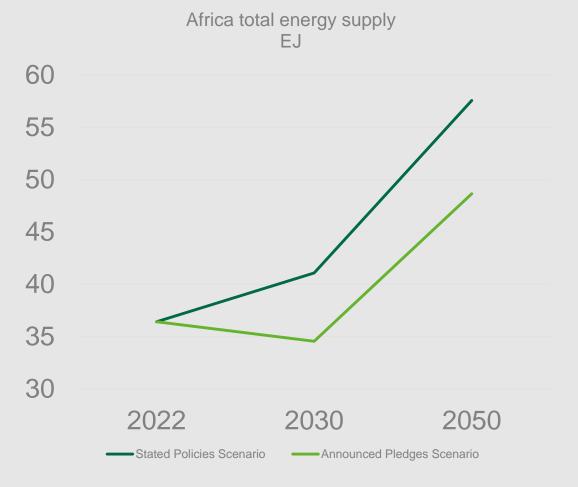
- Increasing supply of reliable, affordable and sustainable energy is Nigeria's greatest challenge – gas is the logical transition fuel
- Acute housing and infrastructure shortage, but no commercially viable substitute for production of building materials e.g. cement, glass, steel
- 90,000 deaths / year due to biomass cooking
- Rising population presents urgent need to improve agricultural production
- Reduce reliance on petrol, increase and decarbonise domestic transport fuel
- Fund all of the above with exports
- Focus on sustainability



## FORECAST TRENDS IN GAS DEMAND







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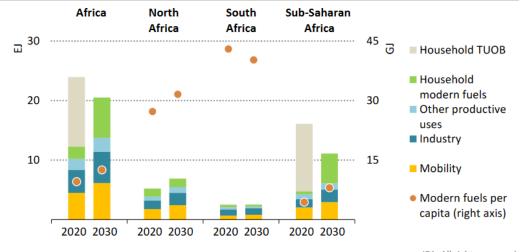
#### Figure 2.27 > Natural gas production by country in the SAS

Rest of Africa
 Angola
 Mozambique
 Nigeria
 Other North Africa
 Algeria
 Other North Africa
 Algeria
 Egypt

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Natural gas production in Africa grows by 15% between 2020 and 2030, driven mainly by new projects in Egypt, Nigeria and Mozambique

IEA Global Energy Outlook 2022



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Eradicating inefficient biomass for cooking in sub-Saharan Africa halves total household energy use in Africa by 2030, while use in other sectors increases in most regions

> IEA Global Energy Outlook 2022 TOUB = Traditional use of biomass

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# **OPPORTUNITIES IN NIGERIA'S GAS VALUE CHAIN**

Our industry must focus on end-to-end solutions to unlock the full value of Nigeria's gas

MOLECULES	<b>EXPLORATION &amp; PRODUCTION</b>	Investment in exploration (500 Tcf) and development (200 Tcf)
	GAS PROCESSING	Fiscals (taxes, royalties) in PIB makes Midstream investment very attractive
	PIPELINE INFRASTRUCTURE	Ongoing and future planned major infrastructures connecting source/sink
	LPG / CNG / LNG	Delivery of gas to last mile key for high carbon energy sources substitution
ELECTRONS	POWER GENERATION	Energy deficit, decarbonization and sustainability factors – key drivers
	NATIONAL GRID	Gap to potential presents huge potential
	LOCAL DISTRIBUTION	Technology deployment and infrastructure backbone upgrade
MONEY	FINANCING	Bankability and access to low cost capital
	METERING / BILLING	<ul> <li>Use of technology, IoT and smart metering to reduce ATC&amp;C</li> </ul>
	COLLECTION	Technology enabled revenue delivery opportunities

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