

# NIGERIA'S DECADE OF GAS: THE INDUSTRY LEADERSHIP OUTLOOK

Accompanying slides for Speech of Chairman, Oil Producers Trade Section (OPTS)

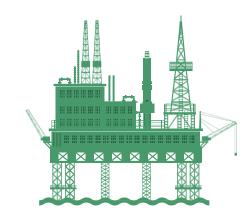
National Gas Association (NGA) 2021 Conference

February 25th, 2021

### Introduction – Who is OPTS and what do we do?

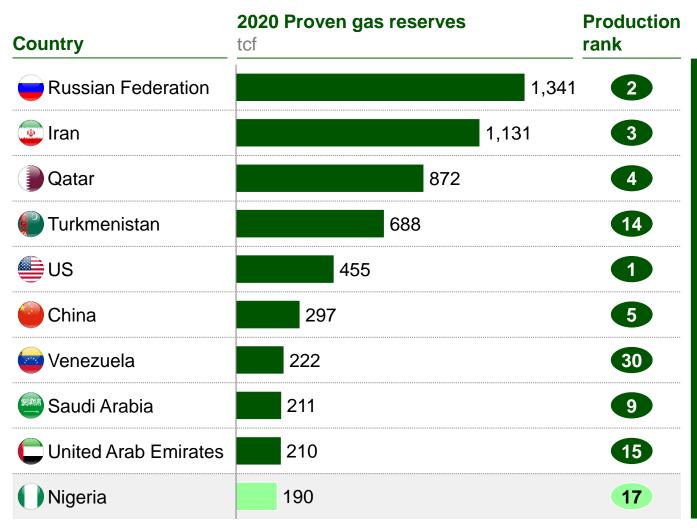
- Private industry group operating under umbrella of the Lagos Chamber of Commerce and Industry
- Cornerstone of the exploration, development and production of Nigeria's petroleum resources
- Represent interests of 29 oil and gas companies and operate approximately 90% of Nigeria's oil and gas industry production (in partnership with the Nigerian National Petroleum Corporation (NNPC) or other local and international lease holders)
- Collective objective to strengthen long-term health of the Industry
- Committed to development of local content in the Industry, to ensuring environmentally sound OPTS operations and to extensive corporate social responsibility initiatives and projects:
  - Together, from 2008-2019, we awarded over 138,300 national and international scholarships, contributed over \$909 million to community development projects, over \$58 million to medical facilities and programs and over \$89 million to education initiatives







# Nigeria has the world's 10th largest gas reserves but ranks only 17th on production – demonstrating untapped potential

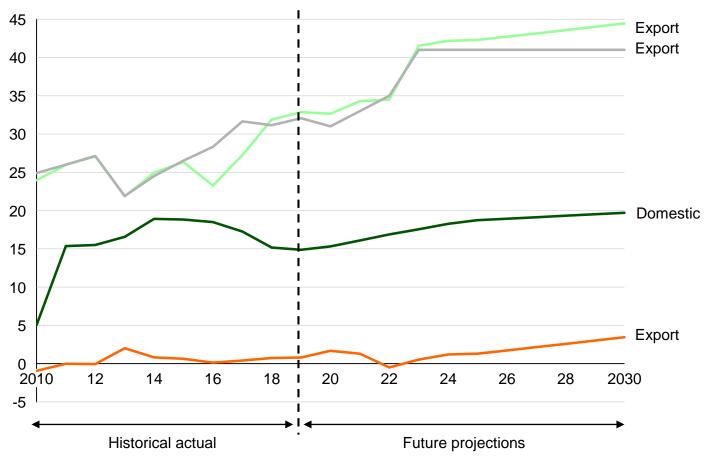


- Much of Nigeria's discovered gas can only be delivered to market with higher prices and better infrastructure
- Experts believe there is much more to find but incentive for finding gas is limited
- Nigeria has enough discovered gas to support both domestic and export supply

## Nigeria's domestic and global gas demand (historical and forecasted)

Dry natural gas net exports, bcm
 LNG net exports, bcm
 Dry natural gas consumption, bcm
 Pipeline gas net exports, bcm



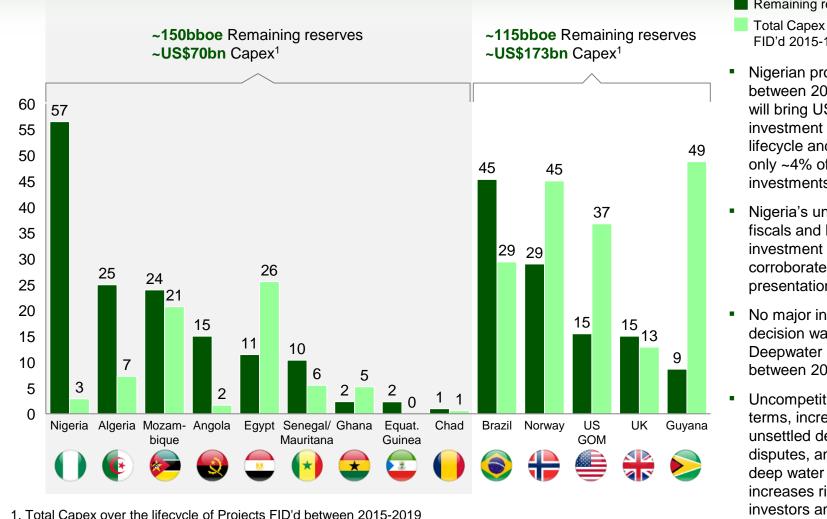


#### Key takeaways

- Nigeria's domestic natural gas consumption in 2019 was about 15 bcm, and is expected to rise to about 20 bcm by 2030
- Nigeria's net exports:
  - Natural gas: 33 bcm in 2019 and is expected to increase to 44 bcm by 2030
  - LNG: 32 bcm in
    2019, and is
    expected to rise to
    41 bcm by 2030
  - Pipeline gas:
    0.8bcm in 2019, and is expected to rise to
    3.5 bcm by 2030

# Despite having the largest reserves, only ~4% of all funds invested in Africa for projects FID'd between 2015-2019<sup>1</sup> were attributed to Nigeria

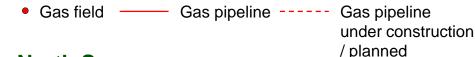
Total remaining reserves and capex<sup>1</sup> in selected countries, bloe and US\$bn



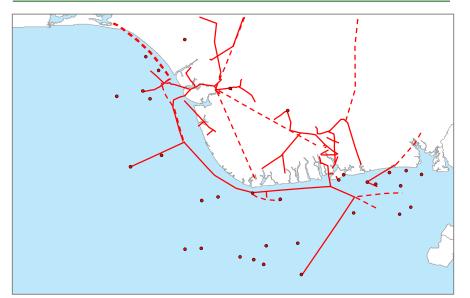
1. Total Capex over the lifecycle of Projects FID'd between 2015-2019

- Remaining reserves, bboe
- **Total Capex for Projects** FID'd 2015-19 (USDbn)
- Nigerian projects FID'd between 2015 and 2019 will bring US\$3bn of investment over their lifecycle and represent only ~4% of all expected investments in Africa
- Nigeria's uncompetitive fiscals and low investment are corroborated by FGN's presentation to NASS
- No major investment decision was taken in Deepwater Nigeria between 2015 - 2019
- Uncompetitive fiscal terms, increasing cost, unsettled deep water disputes, and upcoming deep water lease expiry increases risk for investors and prevents new investments

# The Niger Delta, where the bulk of proven reserves lie, has far less gas infrastructure than comparable basins

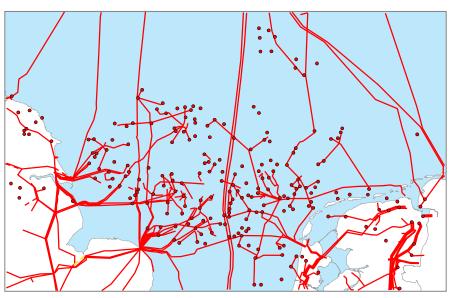


### **Niger Delta**



- ~190 Tcf of gas reserves
- ~ 7,500 km of gas pipelines

### **North Sea**



- ~117 Tcf of gas reserves
- ~ 43,000 km of gas pipelines

Pipelines are the primary means of transporting gas to market Lack of infrastructure leads to relatively high unit development costs

# To achieve the desired increase in domestic gas supplies, the following areas should be considered as priorities

#### **Areas**

#### Developing adequate infrastructure



#### **Importance**

- Infrastructure remains inadequate along the value chain:
  - Pipelines to deliver gas to off-takers
  - Power generation capacity and other gas off-takers

Ensuring 2 sufficient funding



- JV funding issues limit gas development and production
- Due to the persistent shortfall in funding viable new projects cannot progress

Repaying outstanding gas invoice arrears



 Without assurance of repaying gas invoice arrears, investors are reluctant to commit additional investments to grow domestic gas production

Providing enabling commercial and fiscal terms



 Gas prices and fiscals must be competitive to appropriately cover development, production and transportation costs and make commercial returns possible

Ensuring a conducive business environment



 A conducive business environment is essential to attract investments and have reliable operations



#### **Potential solutions**

- Attract investment in infrastructure development
- Complete critical National Integrated Power Project (NIPP) transmission lines
- Implement sustainable solutions which will fully fund the JV budgets including gas
- Settle outstanding debts
- Establish bankable credit support facilities for future gas sales
- Promote willing-buyer / willing-seller marketplace
- Ensure a power tariff level that provides a commercial return
- Set globally competitive fiscals for gas
- Have efficient and effective regulatory bodies
- Maintain stable laws and policies
- Maintain Nigeria's reputation for honoring contracts
- Eliminate structural factors that increase operating and capital costs
- Ensure security of life and property