



The West African Gas Pipeline (WAGP)

Greg Germani

Managing Director

West African Gas Pipeline Company Ltd. (WAPCo)

Presentation Outline



- Improved System Reliability
- WAGP System
- WAGP Network Code
- Gas Transportation Services
- Long Term Growth of WAGP Vision
- Wrap Up



Continuous System Reliability Improvements



Takoradi to Tema Interconnection Project (TTIP)

- Successful Completion of TTIP project achieving reverse flow capability
- Added Ghana gas supply to the network of gas sources
- Achieved one million workforce hours without a recordable incident



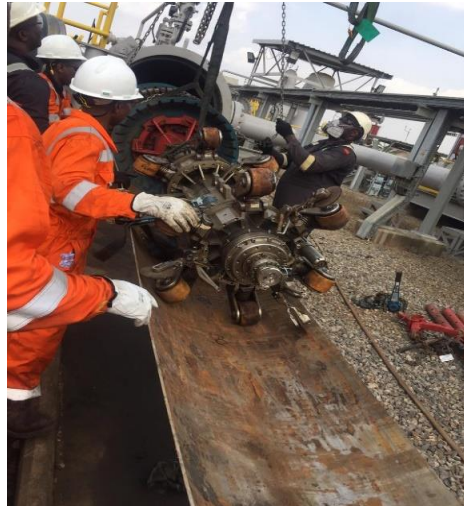
- **Takoradi RMS** – New process area added with 225 MMscfd gas receipt capacity. Operational in June 2019
- **Tema RMS** – Expanded delivery capacity from 144 MMscfd to 235 MMscfd. Operational in March 2020
- ***Project contributed to record gas transportation service averaging over of 214, 330 MMBtu/day early 2021***

Continuous System Reliability Improvements

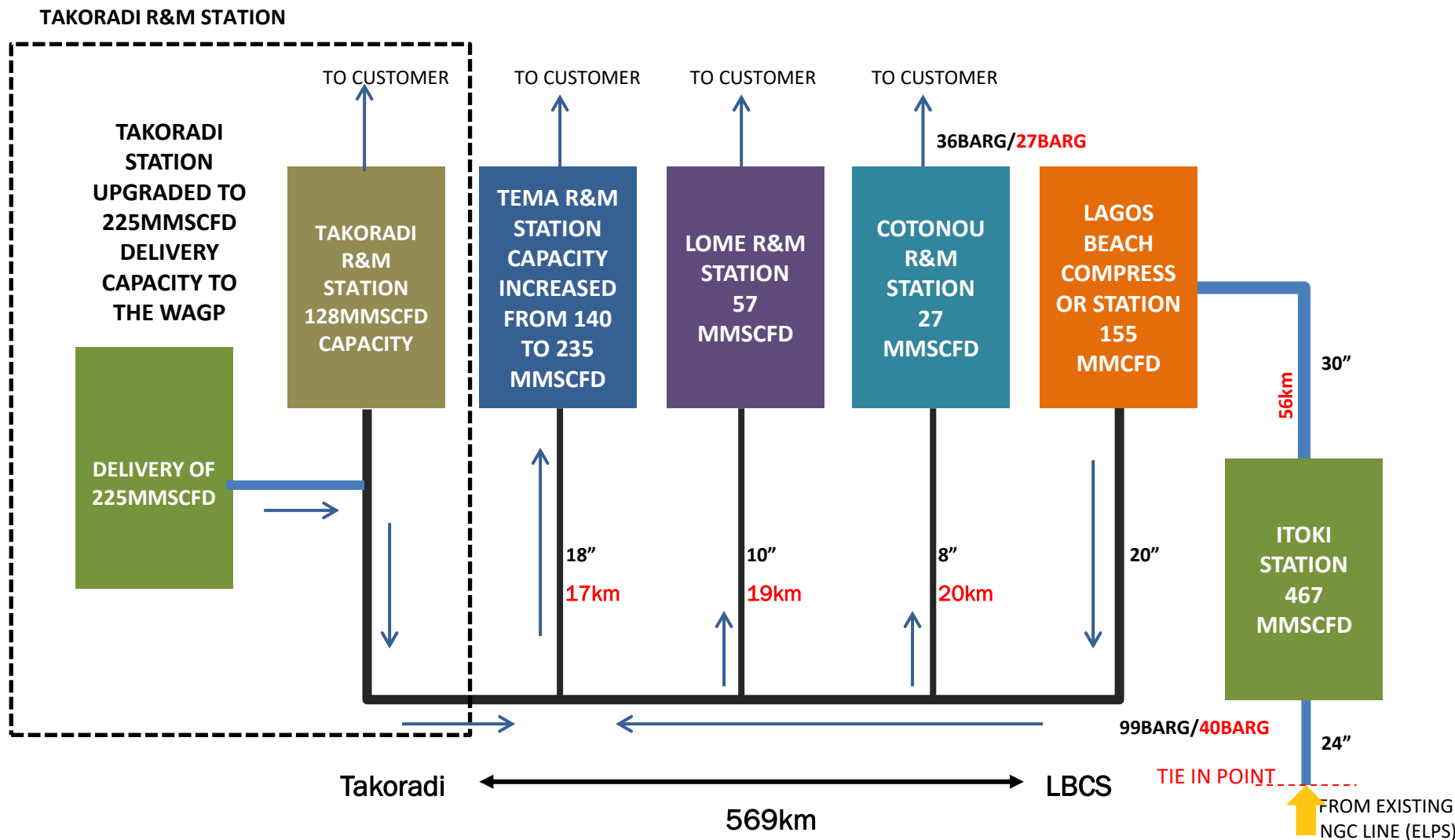


Successfully Completed Intelligent Pigging of the 625km 20" Pipeline in March 2020

- **Periodic Intelligent Pigging is a WAGP regulatory requirements and compliance to WAPCo's own Pipeline Integrity Management System (PIMS)**
- **launched into a major integrity program with internal inspection of our pipeline system**
- **Continuous improvement to reliability and safe operations**
 - Operational Efficiency Management System 2.0
 - Embarking on a number of Reliability, Efficiency and Improvement programs
- **The FM on ELPS was lifted on November 1, 2020, leading to improvement in gas supply**



New WAGP Schematics

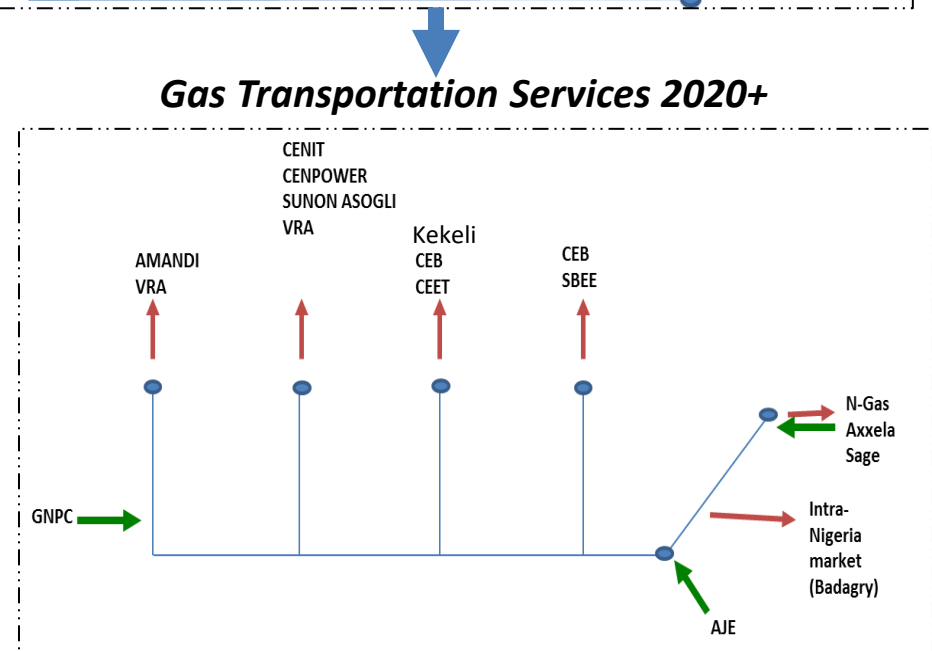
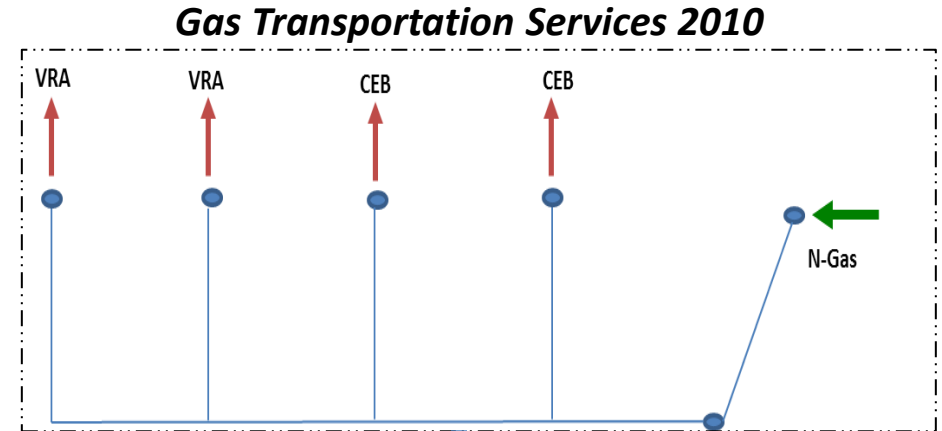


New Network Code

WAPCo Transforming Its Business to Increase Flexibility and Liquidity



- Transition from one entry point to a Multi Entry/Exit structure to:
 - Attract new gas sources, such as Ghana's OCTP and Nigeria (Aje)
 - Access new markets
- Development of a new Network Code
 - Create value for all stakeholders
 - Ensure operational efficiency
 - Guarantees non-discriminatory access
- Competitive tariff structure



WAGP Transportation Services

Firm vs Interruptible service



WAPCo offers two types of transportation service:

■ **Firm Service**

- High priority service
- Service charged firm transportation tariff
- Requires a GTA of minimum 1 year

■ **Interruptible Service**

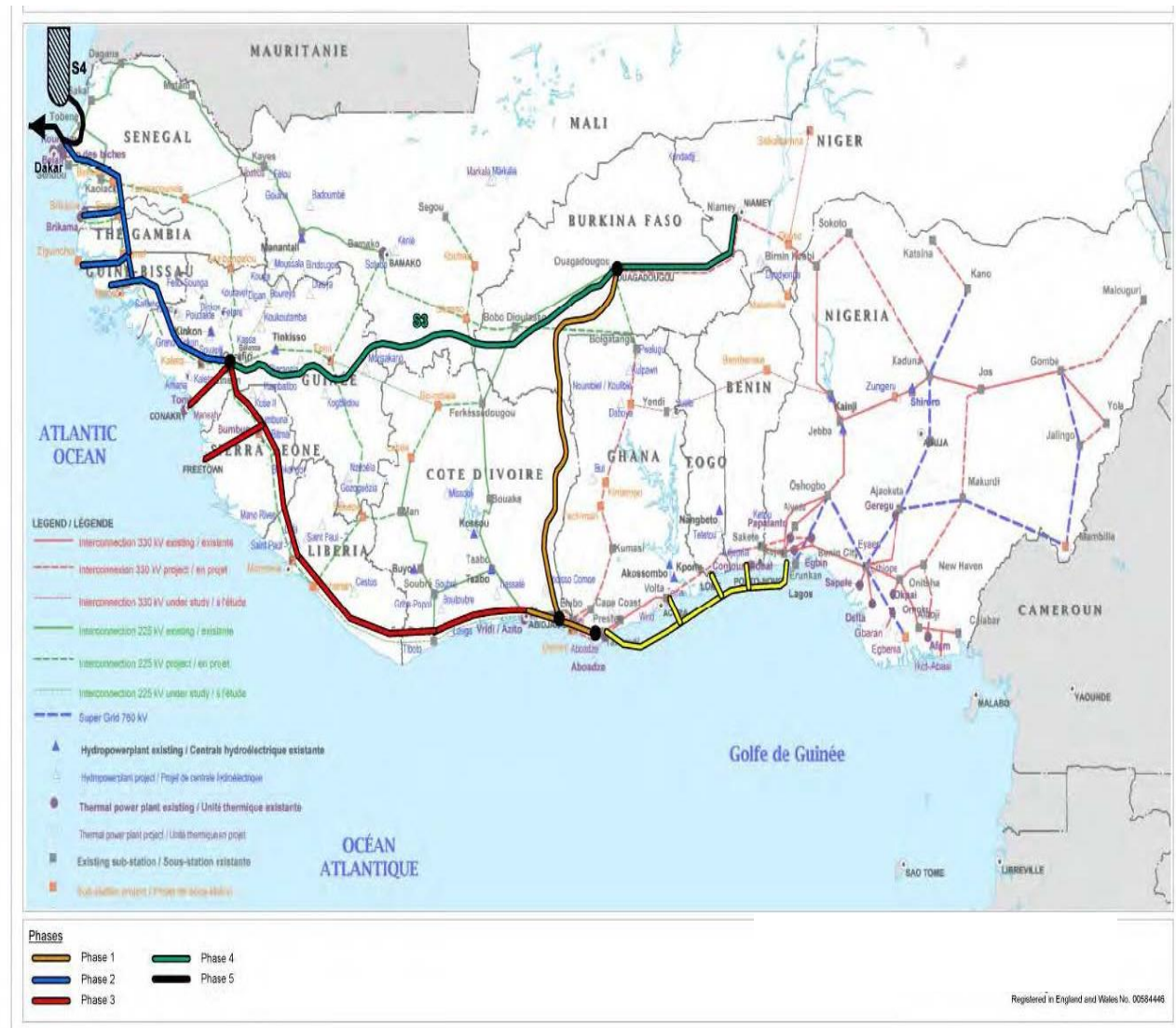
- Lower priority service (can be interrupted anytime)
- Attracts an **interruptible premium** in addition to firm transportation tariff
- Requires an Interruptible GTA (usually for shorter duration)

Long Term Growth of WAGP vision

ECOWAS vision to extend West African Gas Pipeline To Other W/A Countries



- ECOWAS plans to extend WAGP in response to growing sub-regional demand for low-cost sustainable energy
- In recognition of WAGP's significance beyond the sub-region, WAPCo, ECOWAS and the governments of Benin, Ghana, Nigeria and Togo received Africa Union's NEPAD Transport & Infrastructure Project of Excellence in Energy award in 2010
- In discussions with NNPC on potential use of WAGP to support the Nigeria-to-Morocco Gas Pipeline



Wrap Up

Celebrating 10 Years of Commercial Operations



- WAGP entering a new decade of realizing its vision of a regional cleaner energy supply with potential for further growth



Q&A