

# **17<sup>TH</sup> PNG RESOURCES & ENERGY INVESTMENT CONFERENCE**

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Session 9 B – Ready for the Boom? PNG SOE and Infrastructure

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### **PRESENTATION OUTLINE**





**PPL Recovery Plans** 



### **PNG POWER'S OVERVIEW**

- PNG Power Limited [PPL] is the national power utility company in Papua New Guinea.
- PPL is responsible for Generating, Transmitting, and Distributing electricity throughout the country through 3 grids and 17 other centres.
- PPL plays a crucial role in Nation's development as defined by the Vision of 2050 and Strategic Plan of 2030.

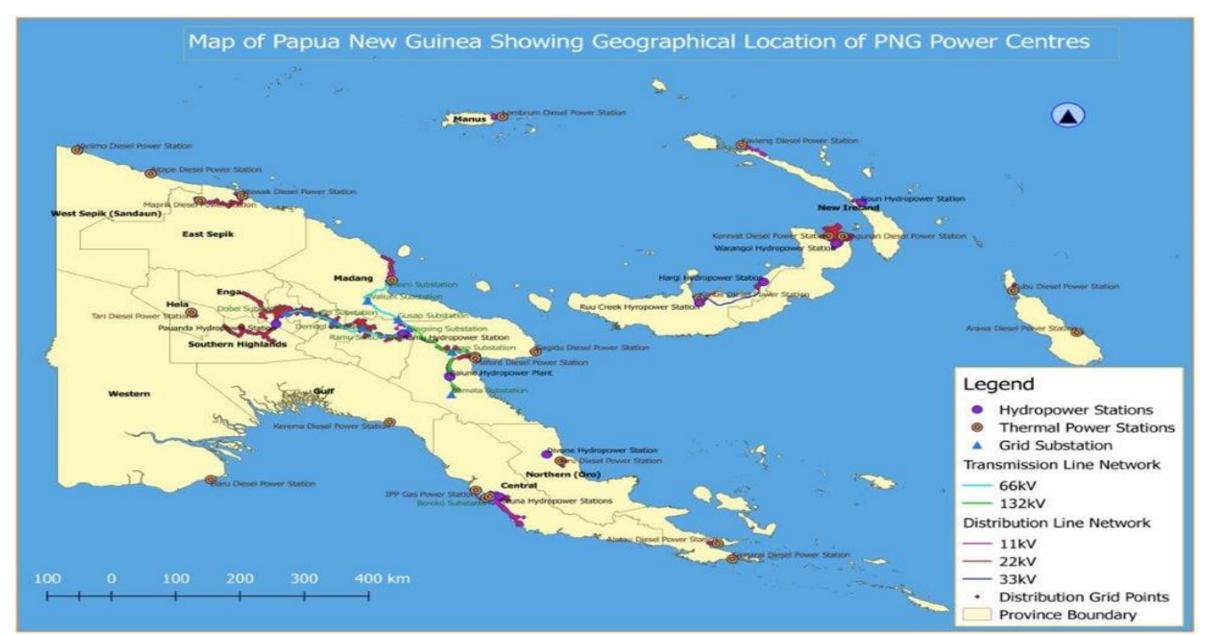


- ✓ 210,000 registered customers
- ✓ 600MW of installed capacity
- ✓ 3 main grid, 17 mini grids networks
- ✓ 900 km of HV + 2,589 km of Dist- lines
- ✓ 1,575 employees (20% female)
- Ageing generation & transmission infrastructure
- ✓ 5 IPPs currently supplying the grid

- ✓ Lack of asset management
- ✓ High thermal generation cost
- ✓ No tariff adjustments in the last ten years to adequately recover cost
- Existence of law and order challenges

### PNG POWER IS A STATE-OWNED COMPANY THAT OWNES AND OPERATES POWER INFRASTRUCTURE IN PORT MORESBY, RAMU, GAZELLE AND 17 OTHER CENTRES IN PNG

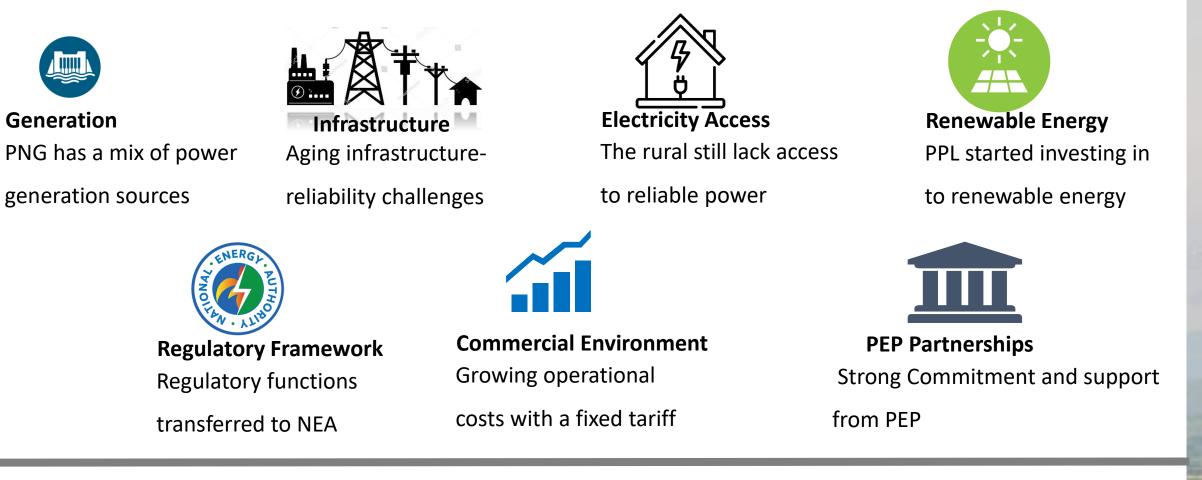
**PNG POWER Ltd** 



## **MARKET OVERVIEW**



PNG has faced challenges in its electricity sector, including issues related to infrastructure, accessibility, and affordability.

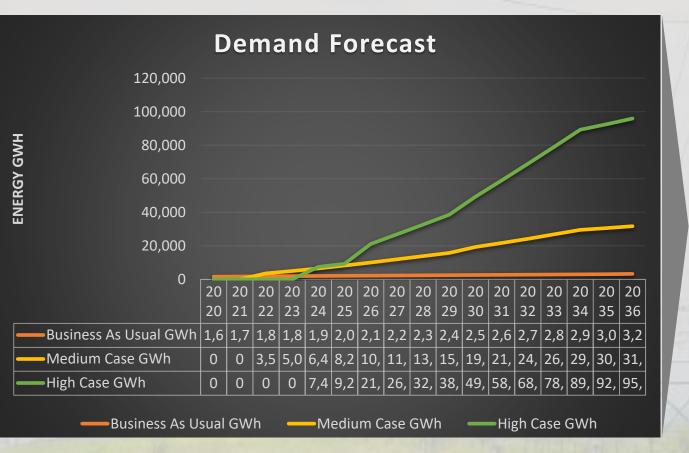


**G POWER Ltd** As the national power utility, plays a central role in the electricity sector in providing reliable power

and meet the growing demand.



#### **DEMAND FORECAST**



Business as Usual - Demand Forecast including natural center growth rates

Medium Case – BAU Demand
 Forecast + connection of new
 industries and growth in existing
 Mines

High Case – Medium Case Demand
 Forecast + connection of proposed
 new Mines

### **PNG POWER RECOVERY PLANS**

#### PPL three [3] Year Corporate Plan 2024 – 2026

- i. Stabilisation: Focus on Immediate actions/low hanging fruits to position PNG Power on a stronger footing both commercially and technically.
- ii. **Recovery:** Focus on medium-term activities to reduce costs through the adoption of least-cost principles, improve performance through reduction of technical and non-technical losses, and ensure PNG Power can deliver a high-quality service to its customers, and ultimately contribute to revenue growth.
- iii. Reform: A fundamental restructuring of the power sector in PNG, including preparing PNGPower for a future open market.
- iv. Sustainable Growth: Increase margin through ongoing process improvement initiatives and continue to grow revenue base whilst strengthening the capital structure.



### **PNG POWER'S MAJOR PROJECTS**

Govt and multilateral partners' investment in PPL

#### **Projects (Pom Grid)**

- Edevu to Moitaka 132 kV transmission line and Moitaka substation (2023)
  - Caution Bay to Pom 66kV Transmission Line (2025)
  - New Motukea substation and distribution (2025)
- Port Moresby to Rigo 66kV Transmission Project (2025)
- New Gerehu Substation Project (2028)
- Port Moresby Grid Rehabilitation Project (2024)
  Rouna 1 and 3 Hydro Rehabilitation Project (2024)

#### **PNG POWER'S MAJOR PROJECTS**

#### **Government and Multilateral partners investment in PPL**

#### Projects (Ramu Grid)

- Mount Hagen to Hides 132kV Transmission Project -(2024)
- Ramu to Mount Hagen 132kV Transmission Projects (2026)
- Ramu to Lae 132kV Transmission Line (2024)
- Lae 66kV Transmission Line Project (2026)
- Ramu1 Hydro Power Plant Rehabilitation (2026)
- Ramu 2 180 Mw Hydro Project (2029)

#### **Other Centres**

- Gazelle Grid Rehabilitation Project (2026)
- 8 x Solar + BESS Hybridization Projects (2025)



### **REGULATORY ENVIRONMENT**

The Government remains keen to promote PNG as a preferred destination for foreign investment through the provision of incentives and measures.

The establishment and operationalisation of the National Energy Authority provides a dedicated energy regulator.

□A tariff review is required, given the current tariff does not support business sustainability.

**□**Formulate and enforce standards and regulatory regimes for micro and mini grids.

Promote the widespread use of cost-effective solar energy through the formulation of regulations and standards to be developed as a matter of urgency.

# Thank you!