



# Renewable Electricity in PNG: Opportunities and Challenges

Dirio Gas & Power Company Limited

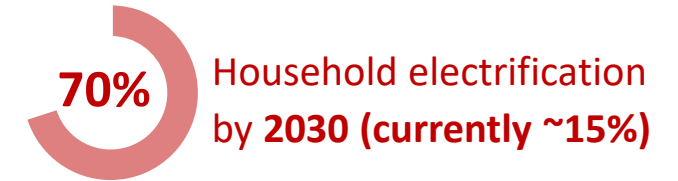
# Agenda

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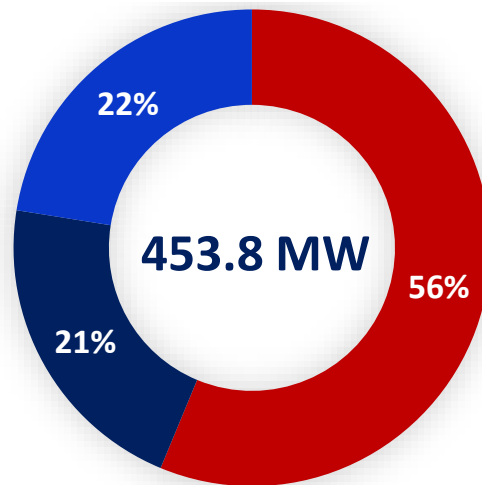
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# PNG Context

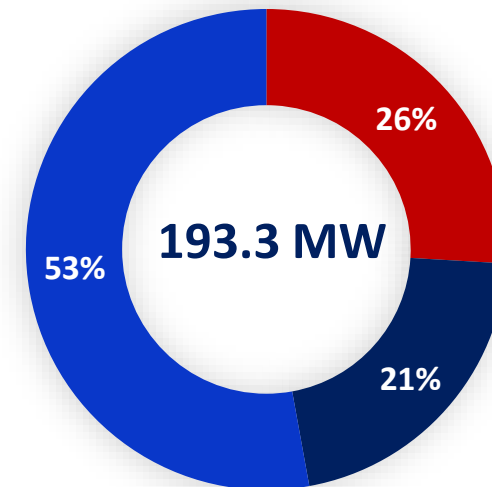
## National Energy Policy Targets



PNG generation mix

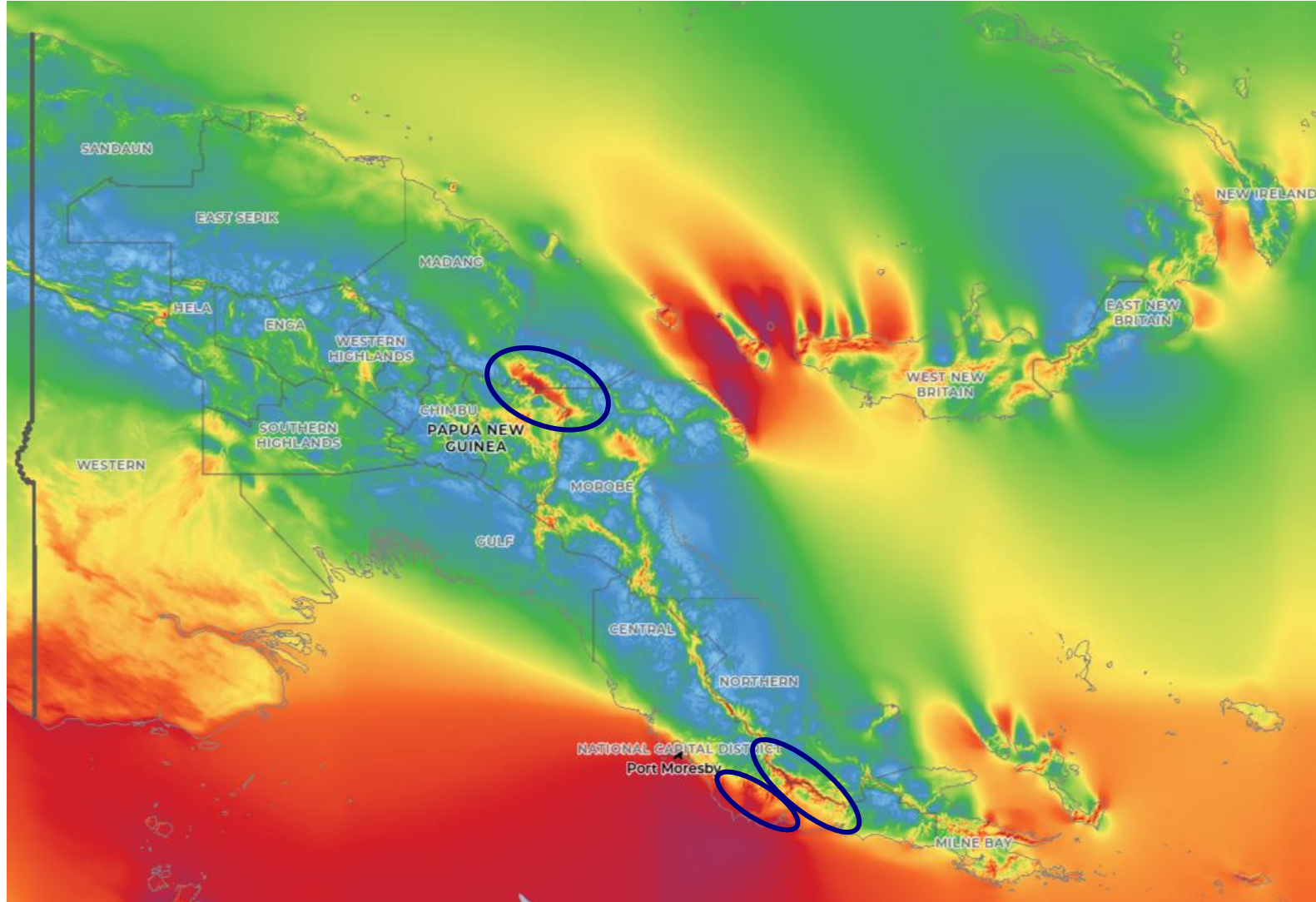


POM generation mix



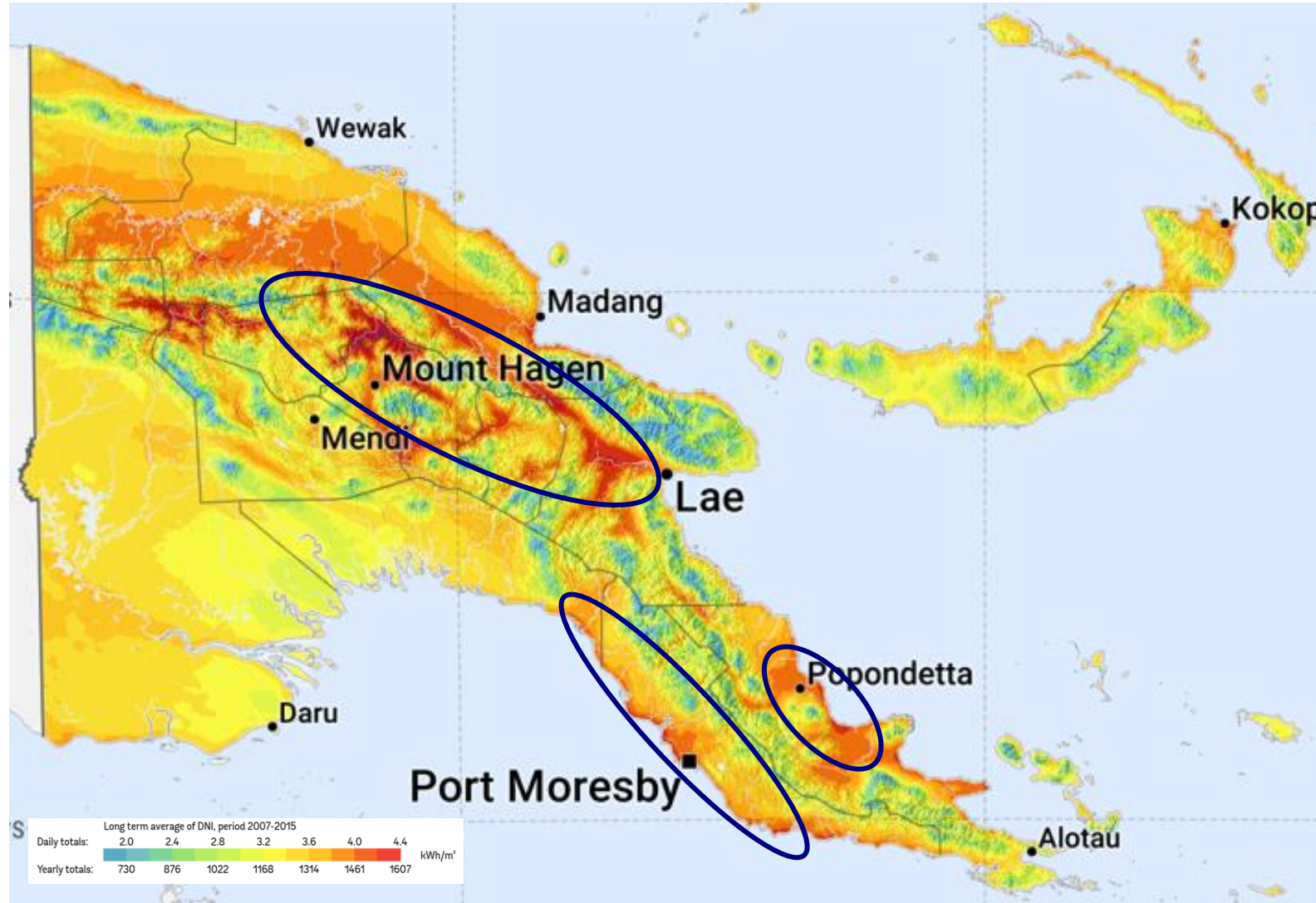
- Hydro
- Diesel/HFO
- Gas

# Wind Resources



○ Key opportunity area

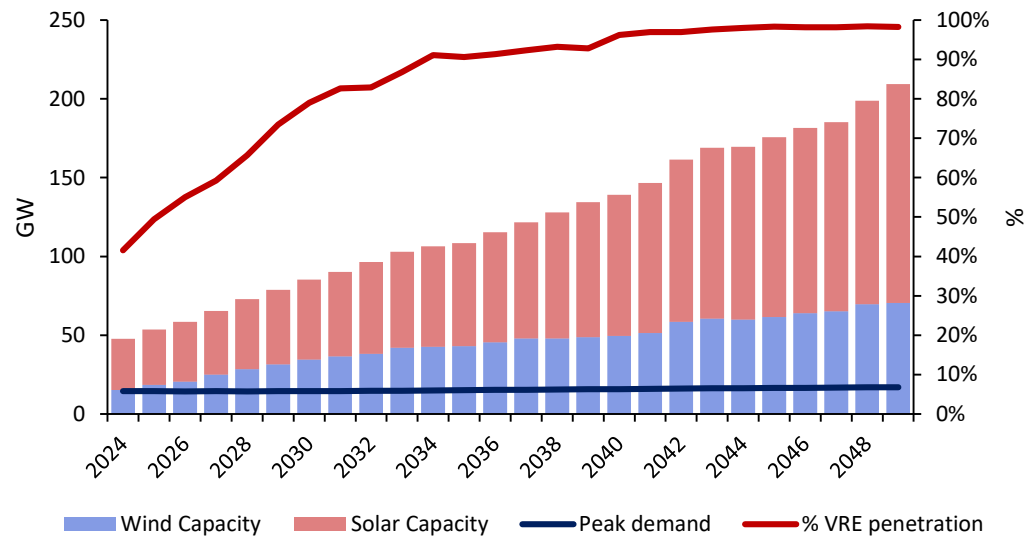
# Solar Resources



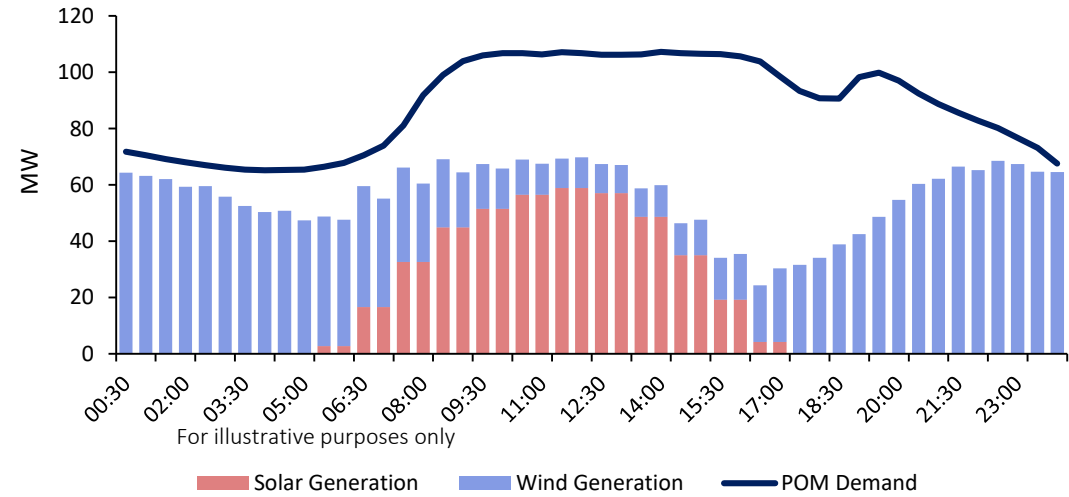
○ Key opportunity area

# Achieving PNG's targets

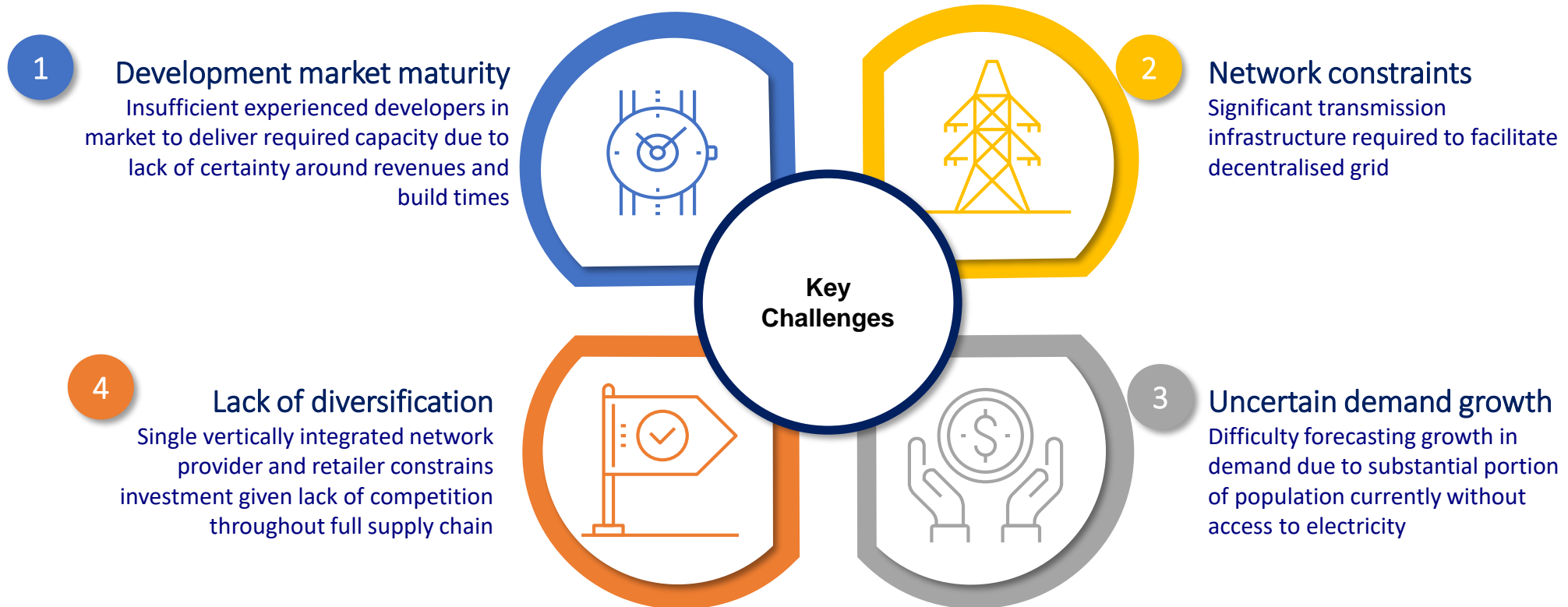
Australia Forecast Renewable Capacity vs Peak Demand



POM: Current State comparison to NEM



# Challenges for PNG market



## Opportunities

- Diversification and disaggregation throughout supply chain
- Development of isolated networks with aim to interconnect with larger networks over time
- Build out Distributed Energy Resources (DER) such as demand response and rooftop PV

# Wrap up

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Scale of investment — significant level of investment required to reach targets



Supply chain — diversification and disaggregation throughout the electricity supply chain



Investment incentives — providing incentive for investors to kickstart self-driven development market



Dirio's role — to utilise Papua New Guinea's natural resources to provide affordable, reliable, and sustainable electricity across PNG and the Pacific



**James Nelson**  
Chief Executive Officer  
Dirio Gas & Power Company

