

# Role of natural gas in South Africa

- South Africa receives 75% of its primary energy from coal
  - **It is imperative that South Africa decarbonize and transform to low carbon energy sources**
- South Africa faces immediate energy challenges
  - Experiencing load-shedding
  - Production from Pande-Temane gas fields in Mozambique is expected to start declining in ~2026
- Natural gas and LNG can, if affordably sourced, play an important role in South Africa's decarbonisation journey
  - **Known technologies and flexible**
  - **Provide dispatchable power to a growing renewable power grid**
  - **Substitute coal in industry**
- Obstacles will need to be overcome
  - **Just transition required**
  - **Market affordability and development**
  - **New Infrastructure development**
  - **Sourcing and allocation of capital for infrastructure**
  - **Economy of scale in infrastructure**
  - **Balance with long term transition away from fossil fuels**

