



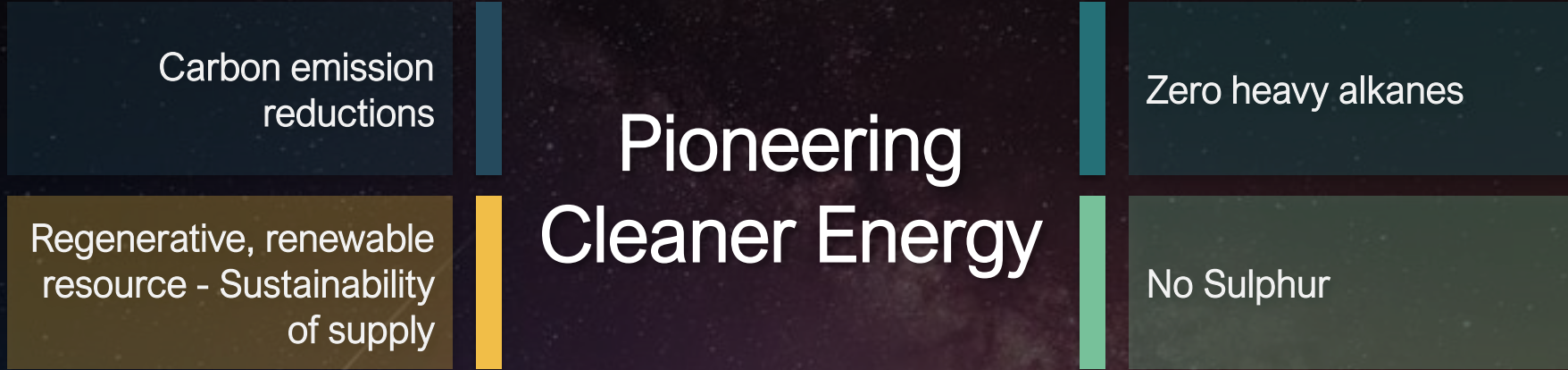
**RENERGEN**

FUTURE ENERGY, TODAY

**Investor Presentation**

# Vision Statement

The vision statement embodies our values of *“Do no Harm: To our people, to our world.”*



Always treating our colleagues and stakeholders with **RESPECT**



Identifying colleagues who need **SUPPORT** and encouraging colleagues to ask for **SUPPORT**



Fostering **TRUST** in each other



Following a **DISCIPLINED** execution strategy, ensuring success is replicable and repeated



Holding ourselves and each other **ACCOUNTABLE**

# Business Model

Renergen aims to accelerate the adoption of cleaner energy by beneficiating our resource into a refined commodity that will benefit our customers, by saving them money and reducing their carbon footprint

## Key Partners

- Drilling & exploration partners
- OEM technology providers
- Engineering and construction partners
- Distribution partner-Total

## Key Activities

- Upstream natural gas exploration
- Midstream natural gas processing and distribution
- Downstream Sales & Marketing

## Value Proposition

- First mover advantage
- Environmentally friendly fuel alternative
- Highest helium concentration globally
- Low cost producer
- Nearing positive earnings generation
- Significant upside in unexplored and undiscovered resources
- Revenue linked to the US \$

## Customer Relationships

- Dedicated and experienced technical and commercial sales team
- Large global multinational customers
- Renergen Brand is gaining support and trust in the market

## Customer Segments

- LNG
  - Mining sector
  - Heavy logistics transport sector
  - Cold chain logistics transport sector
  - Industrial manufacturing sector
  - Food and beverage manufacturing sector
  - Power
- Helium
  - Industrial gas wholesalers
  - Large consumers/manufactures

## Key Regulators

- JSE
- ASX
- DMRE
- NERSA
- DEAT
- DWA

## Key Resources

- Geological resource
- Natural gas refined and sold as:
  - LNG
  - Liquid helium
- Intellectual property

## Sales Channels

- Business to business sales
- Conference events
- Product auctions
- Trading platform

## Cost Structure

- Exploration costs
- Production costs
- Distribution costs
- Sales costs
- General administrative costs
- Financing costs
- Expansion and further development costs

## Revenue Streams

- Tetra4
  - LNG-Liquid natural gas
  - Lhe-Liquid helium
- Future possible
  - Cryo-Vacc

The logo for RENERGEN, featuring the word in a bold, white, sans-serif font. The letter 'R' is stylized with a yellow square at its top-left corner. The letter 'G' is also stylized with a yellow square at its bottom-right corner. The background of the slide is a dark, moody photograph of water with intricate, swirling patterns, creating a sense of movement and depth. A dark teal semi-transparent rectangle is overlaid on the left side of the image, serving as a background for the text.

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# **HY22 Overview**

# Half-Year Snapshot

Despite the challenges that have arisen since the onset of COVID, we made excellent progress and achieved significant milestones

## LNG Agreement with Consol

- Signed a multi-year agreement to supply **Consol Glass** with LNG
- Marks Renergen's first corporate LNG deal
- Key drivers are:
  - **Cost reduction** from LPG
  - ESG as the customer moves to **cleaner fuel**



## Drilling

- **5 out of 6 successful wells** drilled, significantly higher than ever previously recorded
- Wells selected for the first time using a combination of **modelled faults & fractures**, overlaid with a proprietary **in-house algorithm**
- Algorithm uses numerous **non-invasive markers** to predict drill targets
- Only unsuccessful well drilled was not selected by algorithm



## Helium Agreements Signed Phase 2

- In preparation for Phase 2, the Company has secured off-take agreements for 65% of the anticipated production from Phase 2 on a take-or-pay basis
- Pricing is a function of term and volume, and generated a premium over Phase 1 pricing due to the crisis
- End-user large scale agreements range from US\$400 to US\$550 per mcf, with spot over US\$800 to US\$1,000



## Geology

- All data now acquired and work has commenced with Sproule (MHA) for the Reserve Update
- Over 900km of identified gas-bearing faults, with over 300 drill locations



## Construction

- Gas gathering **pipeline complete**, with tests showing 7% more flow and 30% less power consumption
- Only one final batch remaining to be shipped from China, primarily storage with limited technical equipment



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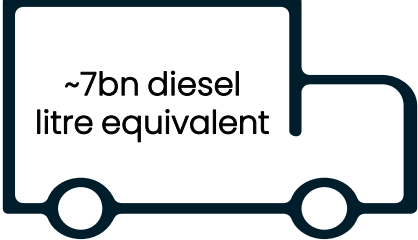
# Project Overview

# Reserves & Resources - Virginia Project


**March 2019** Numbers, with Helium Prospective Resources Added [\*\(Update Expected Next Month, Following ASX and JSE Review\)\*](#)



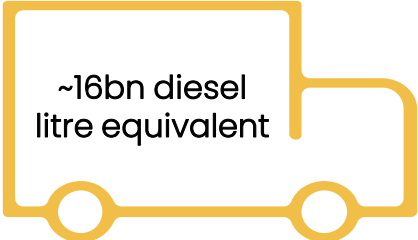
Reserves	Total Proved (1P)	Probable	Proved + Probable (2P)	Possible	Proved + Probable + Possible (3P)
Methane (BCF)	40.76	98.23	138.99	145.18	284.18
Helium (BCF)	1.01	2.39	3.41	3.45	6.86




~7bn diesel litre equivalent



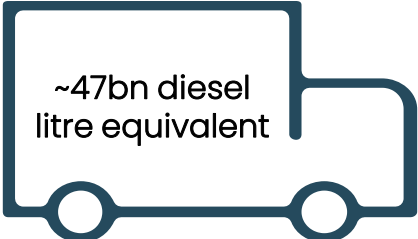
Contingent Resources	Low Case (C1)	Best Case (C2)	High Case (C3)
Methane (BCF)	237.3	435.9	648.5
Helium (BCF)	7.9	14.4	20.9



~16bn diesel litre equivalent



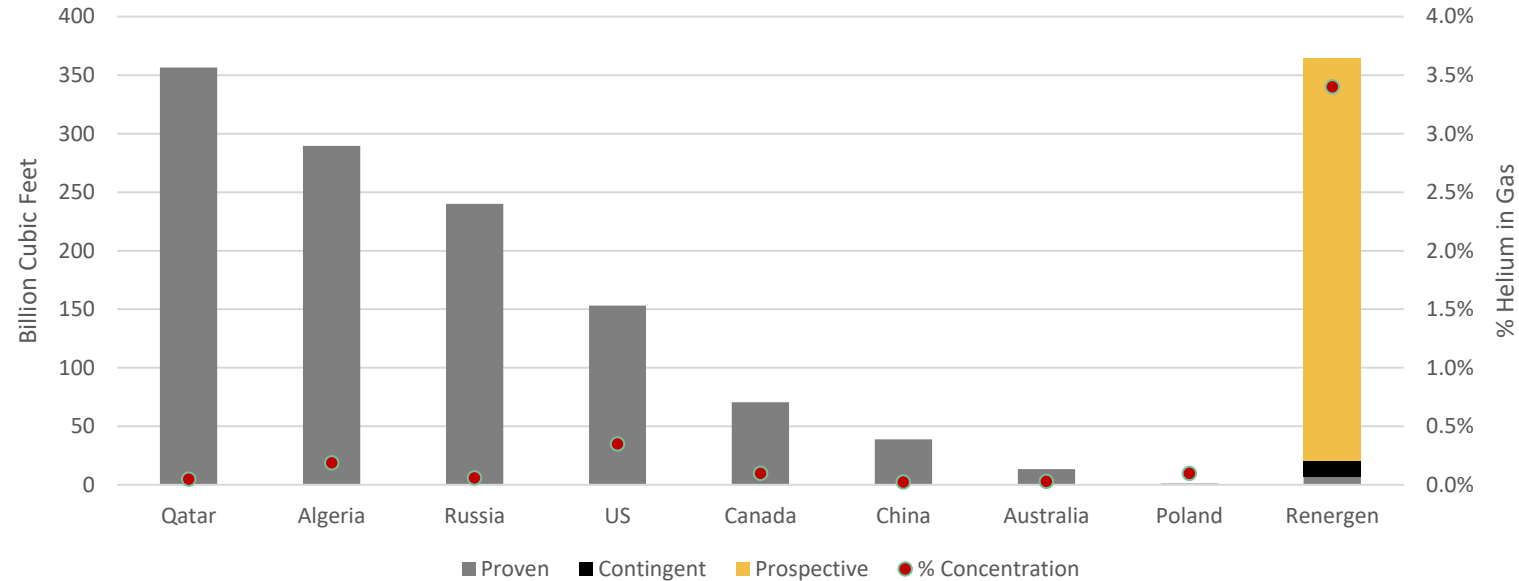
Prospective Resources	Low Case	Best Case	High Case
Methane (BCF)	640	1.278	2.069
Helium (BCF)	32.5	106.3	344.2



~47bn diesel litre equivalent

# Global Helium Resources

## Global Helium Resources in Billion Cubic Feet



- Qatar currently has the world's highest proven Reserves with 356 BCF
- Recoverability of helium is however a function of the concentration of helium in the gas
  - To produce helium, the methane needs a market. Higher helium concentrations therefore mean less methane is required to be produced
- In many of these countries, the low concentrations of helium reduce their ability to recover the helium



# Phase 1 - Overview

## Overview

### Design Capacity

- 2700GJ per day LNG of **daily production**
- 350 KG per day helium of **daily production (Average concentration 2.5%)**

### Exploration

- 12 X existing wells connected
- 5 new wells being made production ready to connect to pipeline
- Planning of new campaign

### Construction

- Gas gathering completed
- Temporary power generators and permanent substation are installed and connected week of 30<sup>th</sup> August
- Commissioning to commence in December 2021

## Recent Images



# Phase 2 - Overview

## Overview

### Design Stage

- **Saipem** to supply the plant FEED by 30 September
- **EPCM** to supply gas gathering FEED by 15 September
- **Sproule (formerly MHA)** completing first draft of Reserve update for JSE and ASX to commence review and comment process

### Drilling

- Will consist of 290 wells, drilled along the main faults and dykes throughout the Production Right
- Anticipated to build up to 44mmscf per day at full production

### Construction Timeline

- Based on the studies above, the team is targeting a turn on date before the end of 2023, with full production during 2024
- Given the significant delays suffered by Amur and Qatar, Renergen has taken advantage in securing lucrative Phase 2 helium contracts

## Artistic Impressions



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