

The logo for RENERGEN, featuring the word "RENERGEN" in a bold, white, sans-serif font. The letter "R" is stylized with a yellow square at its top left corner, and the letter "N" at the end has a yellow square at its bottom right corner.

RENERGEN

FUTURE ENERGY, TODAY

Quarterly Activity Report

Helium and LNG Producer

September 2021

ersonal use only

Vision Statement

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

Pioneering Cleaner Energy

Carbon emission
reductions

Regenerative, renewable
resource - Sustainability
of supply

Zero heavy alkanes

No Sulphur



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 "RENERGEN" in a bold, white, sans-serif font. The letter "R" is stylized with a yellow square at its top left corner, and the letter "N" has a yellow square at its top right corner. The background of the slide is a high-contrast, black and white photograph of a turbulent ocean with large, swirling waves.

RENERGEN

FUTURE ENERGY, TODAY

ersonal use only

HY22 Overview

Half-Year Snapshot

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

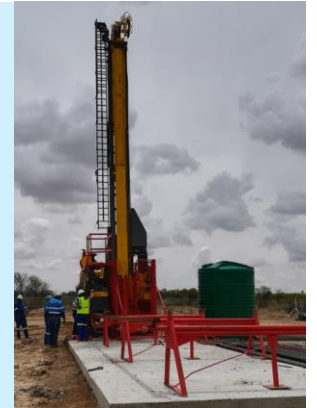
LNG Agreement with Consol

- 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



Construction

- Gas gathering **pipeline complete**, with tests showing 7% more flow and 30% less power consumption
- Only two batches (4 pieces of equipment) remaining to be shipped from China, due to be shipped mid –October



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
- The long-term take-or-pay contracts trade at a significant discount to the current spot price, which is as high as US\$800-1,000/mcf



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

Financial Highlights

Another Positive Quarter, With Steady Tailwinds From Increasing Energy Prices



Revenue up 13% Quarter-on-Quarter ("QoQ")



Operating costs down 19% QoQ primarily due to reversal of bonus provisions for prior year and cost containment



The above resulting in a 15% reduction in the loss for the quarter



Cash position improvement



Project costs for Phase 1 still within the Board approved forecast



Final tranche of the US DFC loan drawn, adding US\$ 7.5mn to cash reserves as Company enters final stretch of construction and commissioning

The logo for RENERGEN, featuring the word in a bold, sans-serif font. The 'R' and 'N' have small yellow squares at their top-right and bottom-right corners, respectively.

RENERGEN

FUTURE ENERGY, TODAY

ersonal use only

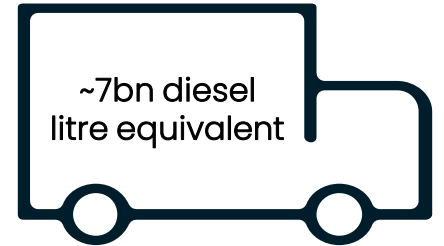
Project Overview

Reserves & Resources - Virginia Project

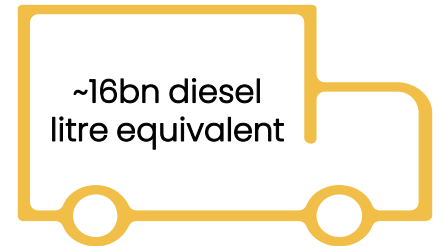
March 2019 Numbers, with Helium Prospective Resources Added [*\(Update Expected Shortly\)*](#)



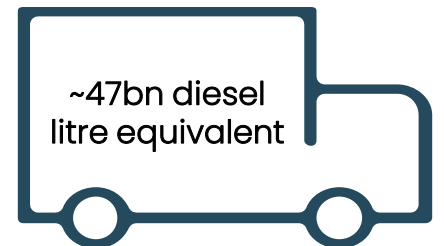
Reserves	Total Proved (1P)	Probable	Proved + Probable (2P)	Possible	Proved + Probable + Possible (3P)
Methane (BCF)	40.76	98.23	138.99	145.18	284.18
Helium (BCF)	1.01	2.39	3.41	3.45	6.86



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

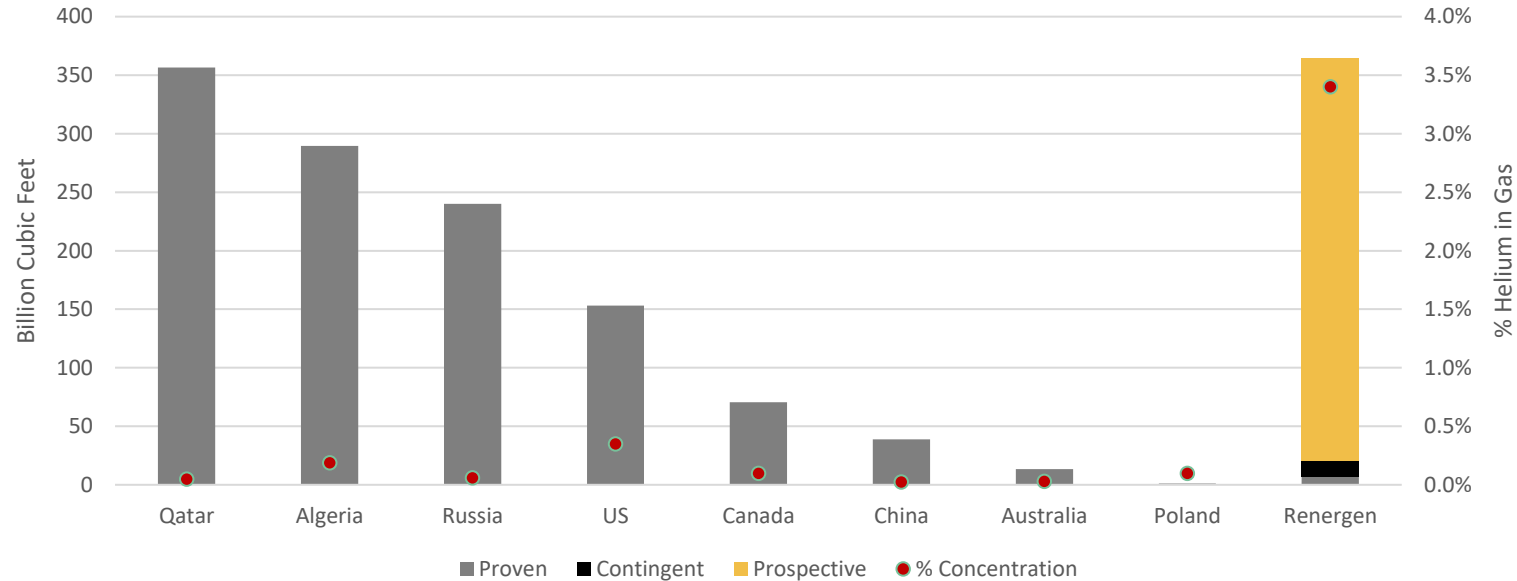


Prospective Resources	Low Case	Best Case	High Case
Methane (BCF)	640	1.278	2.069
Helium (BCF)	32.5	106.3	344.2



Global Helium Resources

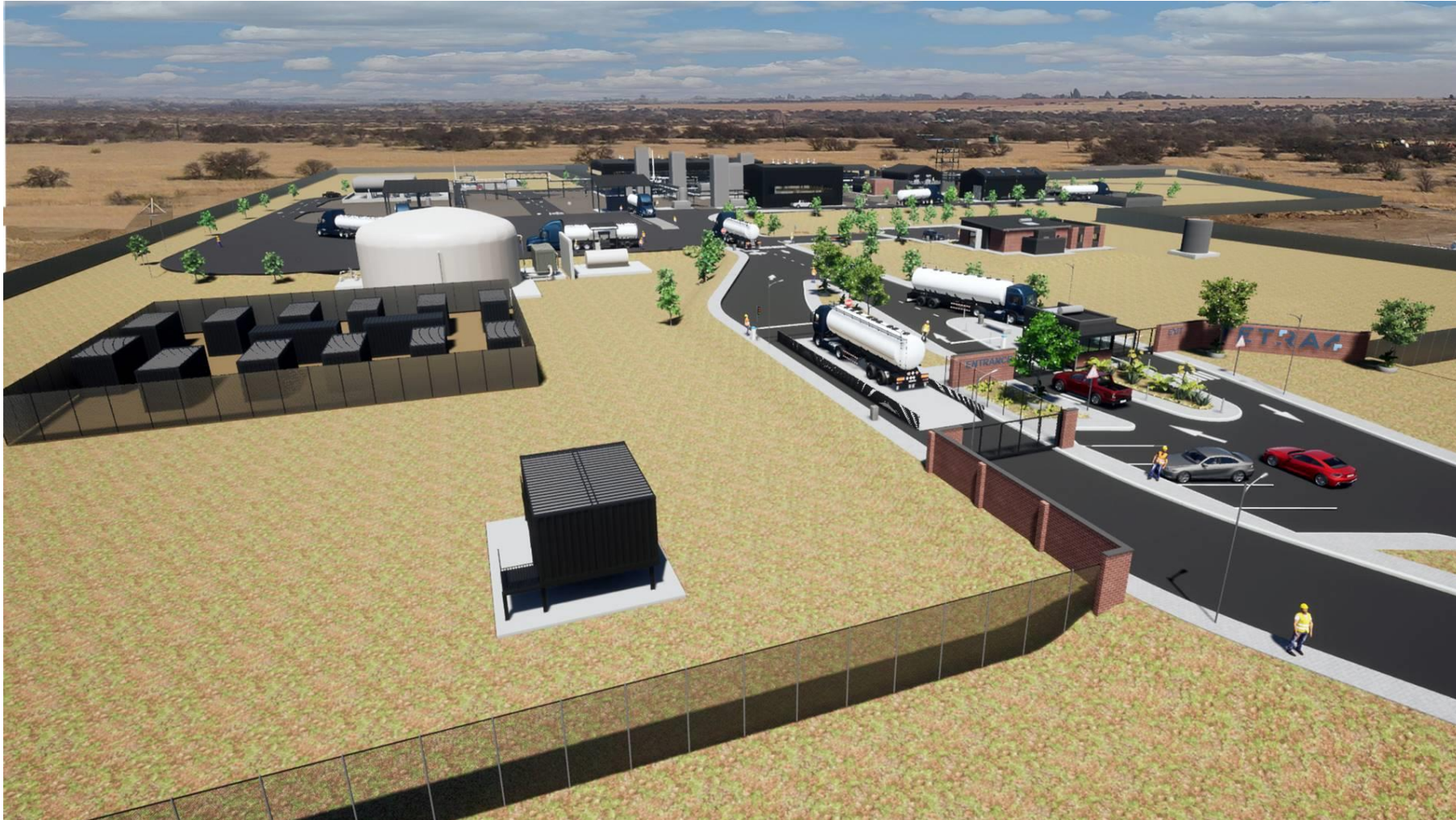
Global Helium Resources in Billion Cubic Feet



- 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

Artistic render



Phase 1 - Overview

Overview

Design Capacity

- 2700GJ per day LNG of **daily production**
- 350 KG per day helium of **daily production** (*Plant's designed concentration of 2.5% He/Gas*)

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 were installed and connected week of 30th August
- Commissioning to commence in December 2021

Recent Images



Phase 2 - Overview

Overview

Design Stage

- **Saipem** FEED study for LNG/LHE and Balance of plant completed on 30 September
- **EPCM** FEED study for gas gathering completed on 15 September 2022
- Umbono Engineering Feed study for grid connection and power requirements completed on X date
- **Sproule (formerly MHA)** completing first draft of Reserve update for JSE and ASX to commence review and comment process

Drilling

- Will consist of 297 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

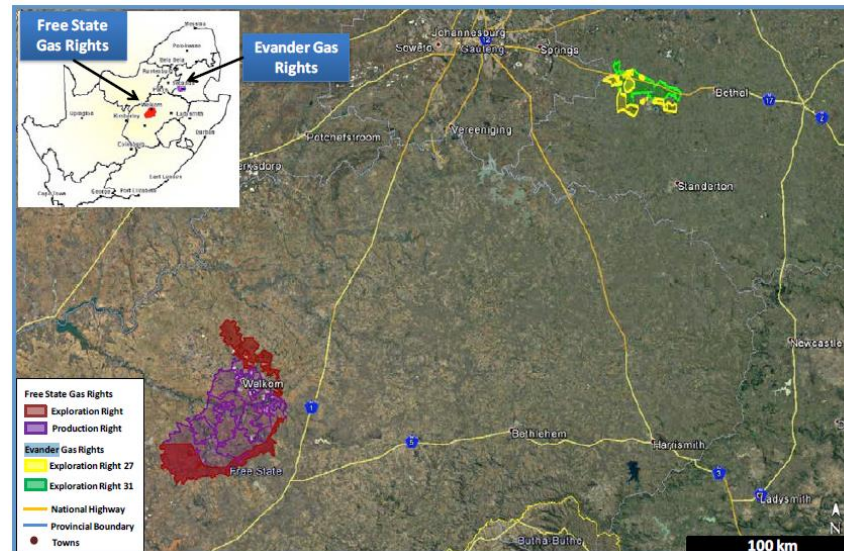
Artistic Impressions



Other Items of Business

At present there are no major updates since the last quarterly report

- The Company continues to take every precaution to ensure the safety of its staff
- The Virginia Gas Project Production Right and Evander Exploration Rights are highlighted in the map below. No new rights were acquired or disposed of in the period
- Expenditure has not exceeded the projected Use of Funds from the Offer document for the listing on the ASX in June 2019



Production Right:

- 12/4/07PR

Exploration Rights/TCPs:

- 12/3/2/29ER
- 12/3/2/32ER
- 12/3/2/33ER
- 12/3/2/64ER
- 12/3/2/94ER
- 12/2/171TCP

ersonal use only

Copyright

Renergen all rights reserved. Renergen is the owner of the intellectual property contained in this document. This information is private and confidential accordingly any redistribution or reproduction of part or all of the contents in any form is prohibited; other than the valuation of this report. It shall be returned to us upon request. *All rights remain reserved.*