

ASX ANNOUNCEMENT

17 May 2023

**INVESTOR PRESENTATION-RESOURCES RISING
STARS**

Greenvale Energy Ltd (ASX: **GRV**) ('**GRV**', '**Greenvale**' or '**the Company**') is pleased to advise that Director and Chief Executive Officer, Mark Turner, will be presenting at the Resources Rising Stars Investor Series, which is to be held on the Gold Coast, Queensland. Mr Turner will be presenting on 17 May 2023 at 9:45 AM AEST / 7:45 AM AWST.

The presentation slides to be delivered by Mr Turner are attached to this announcement and investors will be able to livestream the presentation at no cost by going to:

https://www.bigmarker.com/series/resources-rising-stars-2023-/series_summit

Authorised for Release

This announcement has been approved for release by Kurt Laney, Joint Company Secretary.

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Greenvale
ENERGY LIMITED

DRIVING CHANGE

*A dynamic fusion of bitumen and geothermal energy to
help meet Australia's infrastructure needs*



**RESOURCES
RISING STARS**

Opportunities + Insights for Resources Investors

Important Information



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This document and all other information (whether in writing or otherwise) which may be made available, or part thereof does not:

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FORWARD-LOOKING STATEMENTS

This presentation contains forward looking statements. Forward looking statements are often, but not always, identified by the use of words such as "seek", "target", "anticipate", "forecast", "believe", "plan", "estimate", "expect" and "intend" and statements that an event or result "may", "will", "should", "could" or "might" occur or be achieved and other similar expressions.

The forward-looking statements in this presentation are based on current expectations, estimates, forecasts and projections about Greenvale Energy and the industry in which they operate. However, please note, they do relate to future matters and thus are subject to various inherent risks and uncertainties. Actual events or results may differ materially from the events or results expressed or implied by any forward-looking statements.

The past performance of Greenvale Energy is no guarantee of future performance.

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You are cautioned place no undue reliance on any forward-looking statement. The forward-looking statements in this presentation reflect views held only as at the date of this presentation.

COMPETENT PERSON STATEMENT

The information in this presentation that relates to the Alpha Mineral Resource Estimate is based on information compiled by Mr. Carl D'Silva, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy (Member number 333432). Mr. D'Silva is a full-time employee of SRK Consulting (Australasia) Pty Ltd, a group engaged by the Company in a consulting capacity.

Mr D'Silva has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr D'Silva consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the Mineral Resource Estimate dated 9 March 2022 as announced to the ASX on that date and which is available at www.greenvaleenergy.com.au. The Company confirms that in relation to the Alpha Torbanite Project Mineral Resource Estimate, all material assumptions and technical parameters underpinning the estimate continue to apply and have not materially changed when referring to its resource announcement made on 9 March 2022.

The information in this presentation that relates to liquefaction testing is based on information compiled by David Cavanagh, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy AusIMM Member number 112318. David Cavanagh is a full-time employee of Core Resources.

David Cavanagh has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. David Cavanagh consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Corporate Summary



Greenvale Energy Ltd (ASX: GRV)

CAPITAL STRUCTURE

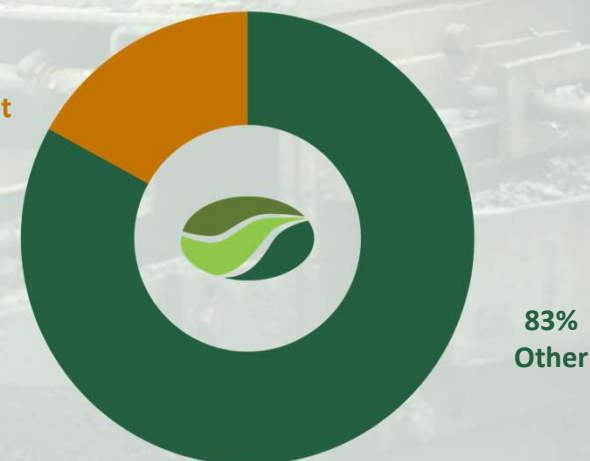
Shares on issue	M	433
Options	M	34
Share price (11 May 2023)	A\$	\$0.11
Market Capitalisation (11 May 2023)	A\$	\$47.6m
Cash & Liquid Investments (11 May 2023) ¹	A\$	\$8.53m
Top 20 Shareholders	%	45%

1: The above liquid assets amount includes the Company's shareholding in Astro Resources NL (ASX:ARO). It is noted that the following shares held in Astro Resources by the Company remain subject to escrow terms:

- (a) 13.80 million shares which are to be released from escrow on 28 November 2023; and
(b) 23.00 million shares which are to be released from escrow on 28 November 2024.

SHAREHOLDERS

17%
Board & Management



SHARE PRICE



Greenvale Energy Ltd – Value Proposition



Two unique projects, one driving goal.



Australia's only end-to-end producer of high-quality and sustainable bituminous products

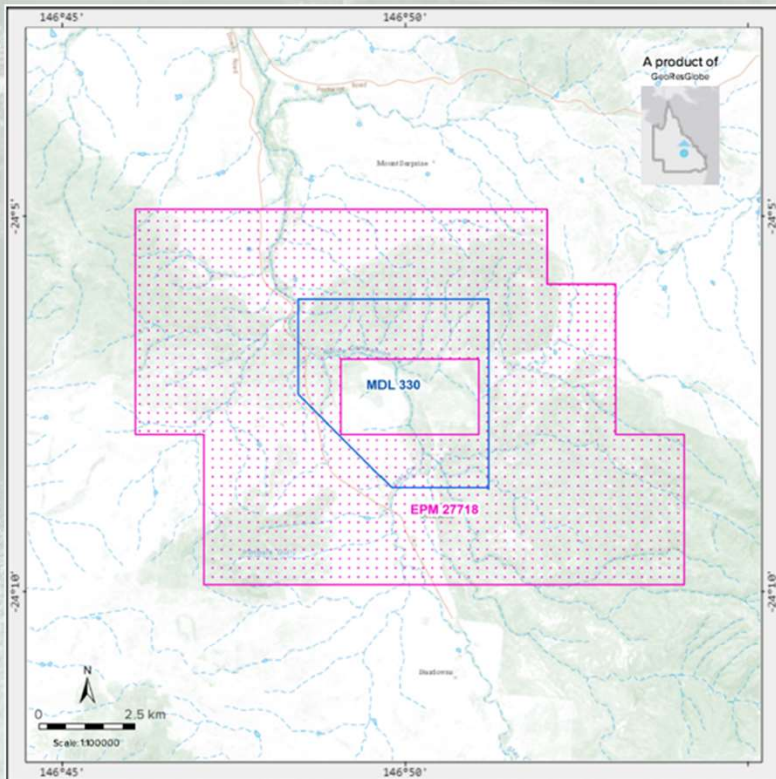
ON THE ROAD TO SUCCESS

ALPHA TORBANITE PROJECT (QLD)

Alpha Torbanite Project – Summary



A unique and viable indigenous source of bitumen



Located in central QLD, 500km west of Rockhampton



18.6Mt

inferred resource of Torbanite &
Cannel Coal



698ltrs

of hydrocarbons per tonne of
Torbanite



21.29m

barrels of synthetic oil equivalent

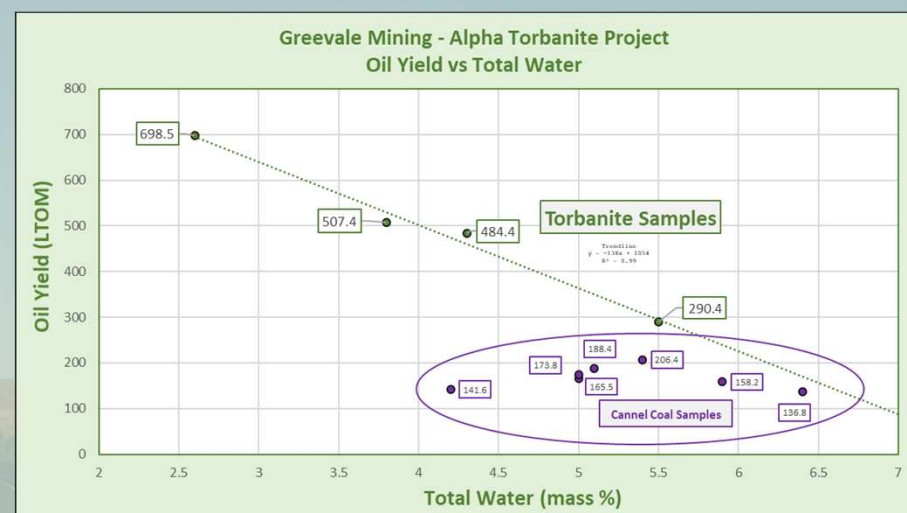
Top of the class

Alpha among the highest yielding oil shales globally

Comparative data of various oil shales

Deposit	Torbanite/Coal/ Oil shale	Oil Yield (LTOM)	
		Range	Average
Alpha, Qld	Torbanite	50 - 620	420
	Cannel coal	50 - 150	120
Green River (USA)	Oil shale	45 - 460	135
Rundle, Qld	Oil shale	50 - 200	105
Stuart, Qld	Oil shale	50 - 220	94
Duaringa, Qld	Oil shale	50 - 130	82
Condor, Qld	Oil shale	50 - 120	65
Julia Creek, Qld	Oil shale	50 - 100	60

Source: Crisp, P.T., Ellis, J., Hutton, A.C., Korth, J, Martin F.A., and Saxby, J.D., 1987, Australian Oils Shales – A compendium of geological and chemical data: North Ryde, NSW, Australia, CSIRO Inst. Energy and Earth Sciences, Division of Fossil Fuels, 109pp.



Modified Fischer ASSAY (MFA) Results

Yield of 179 litres per tonne at zero moisture (LTOM) for 21.29 million barrels of synthetic oil equivalent

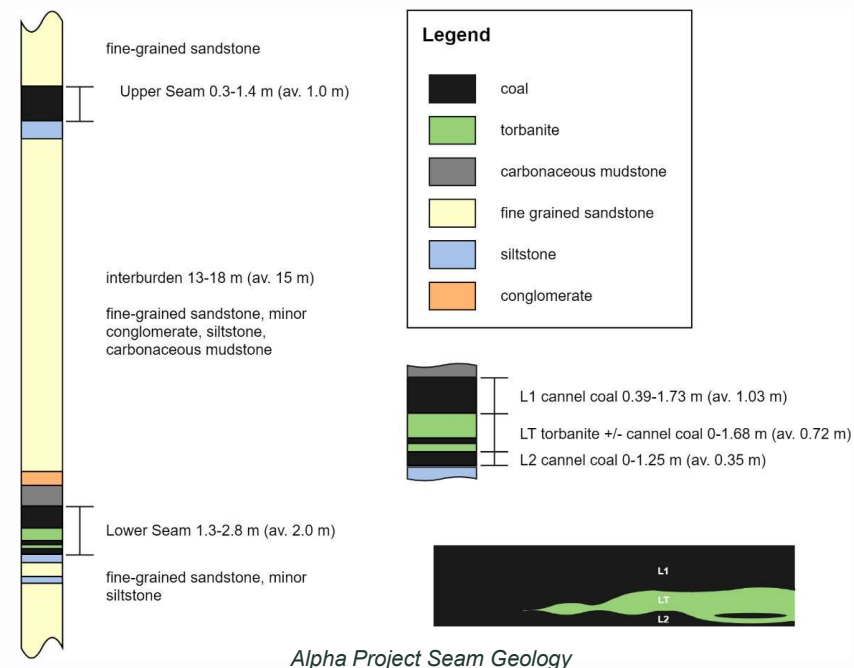
Mineral Resource Estimate



Maiden JORC MRE complete

MDL330 Inferred Mineral Resource estimate by seam and ply unit

Seam/Ply	Area (m ²)	Volume (m ³)	Waste Thickness (m)	Waste Volume (bcm)	Tonnes (Air-Dried)
U	2,587,232	2,733,615	13.27	77,182,496	3,280,338
L1	6,322,012	6,466,130	13.18	111,466,664	7,912,602
LT	6,242,029	3,878,046	0.24	1,174,048	4,595,434
L2	6,081,965	2,344,780	0.10	522,118	2,862,935
Total					18,651,309

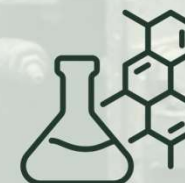
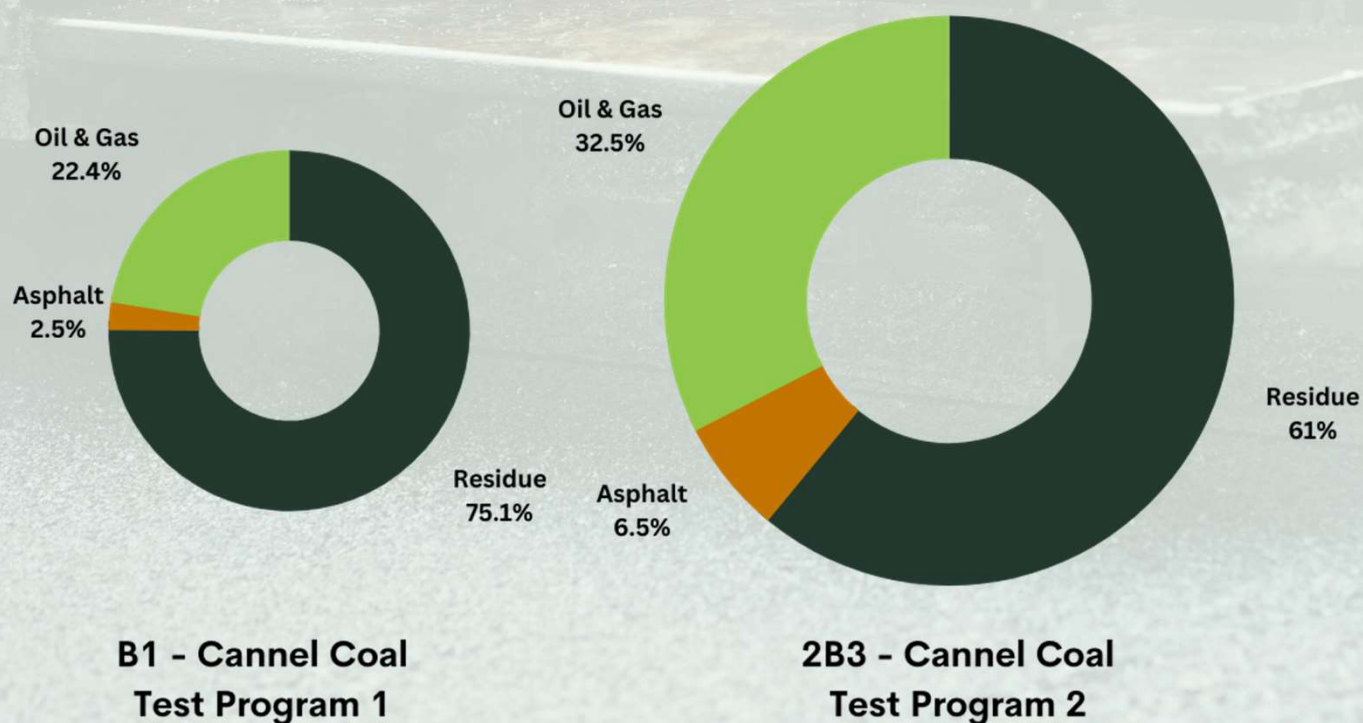


Maiden Inferred JORC Resource Estimate of 18.6Mt of Torbanite and Cannel Coal

Alpha Project – Liquefaction Test Program

Extensive liquefaction test program underway and yielding exciting results

Liquefaction Cannel Coal Sample Conversions (wt%)



↑ **57%**

increase in conversion from solids to oil and gas (Test Program 1 to 2)



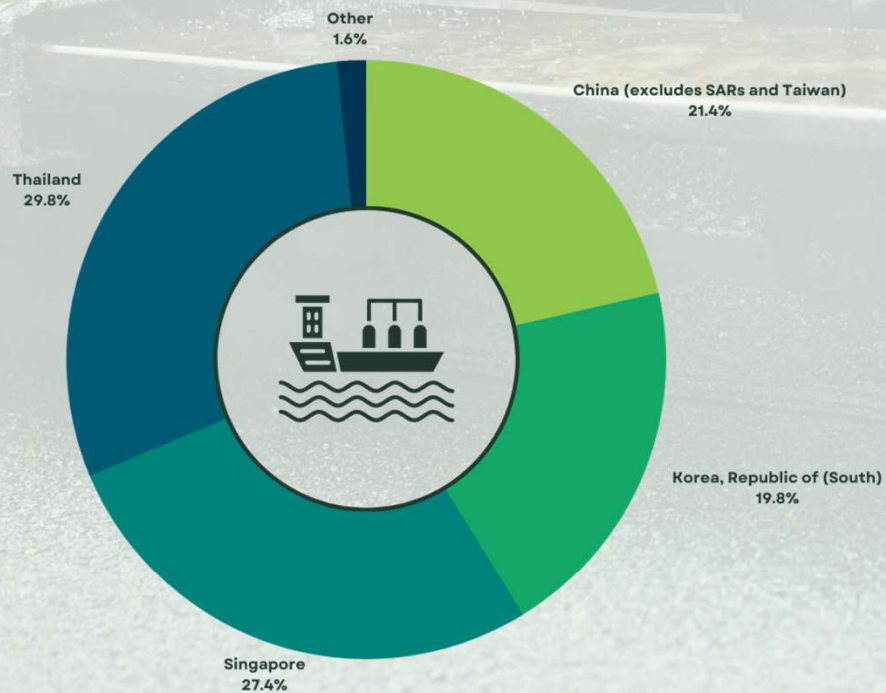
<1%

converting to gas, boosting the emissions profile

Bitumen Market – Supply & Demand

Bitumen importation feeds critical infrastructure with a heavy reliance on China

Australian Bitumen Imports by Country of Origin



Source: Department of Climate Change, Energy, the Environment and Water, Australian Petroleum Statistics SEP 2022

Australian Bitumen Demand by Volume ('000t)

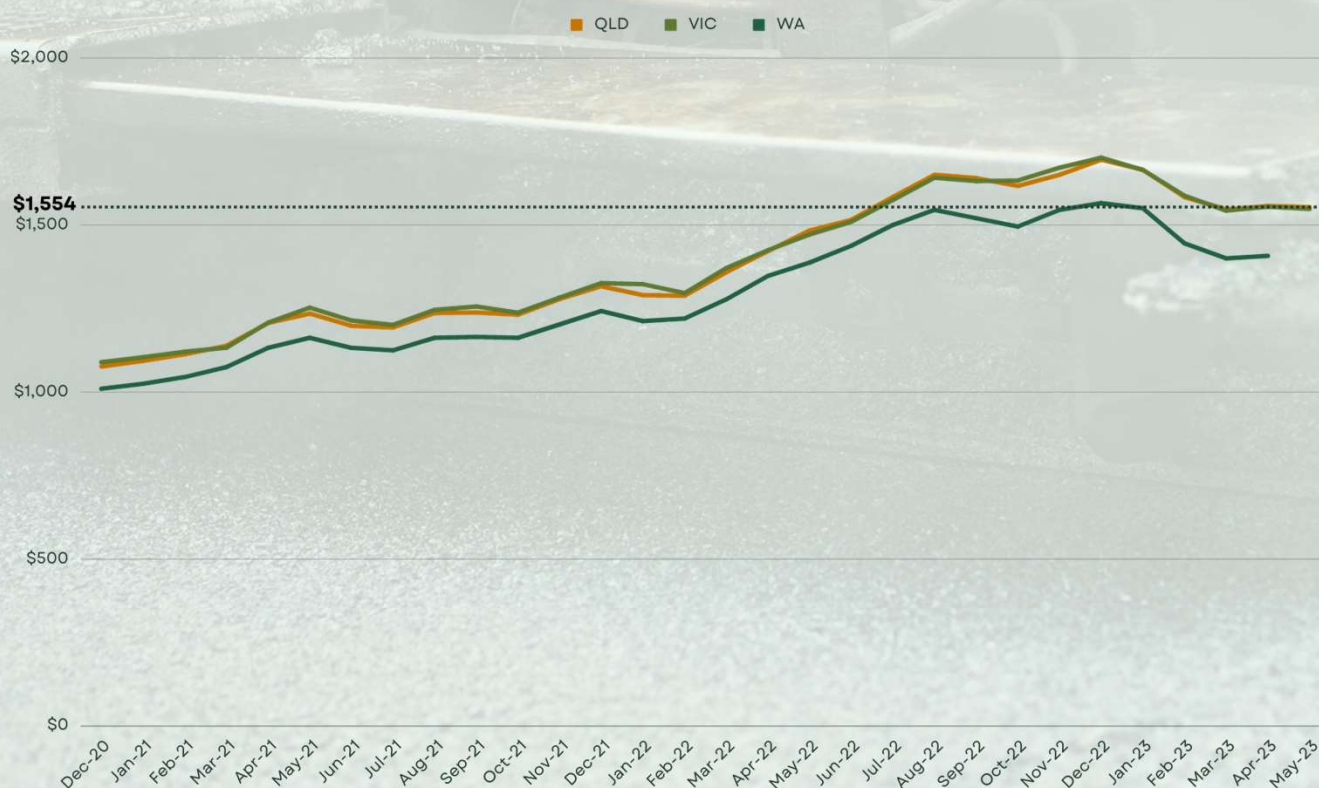


Source: Argus Asphalt Annual 2021 - Bitumen Demand & Government Funded Roads Australia

Bitumen Market – Price

C170 bitumen prices remain strong

C170 Bitumen Price Index (A\$/tn)



↑44%

Increase in average monthly gate prices for C170 bitumen since DEC 2020

\$1,554

Average gate price (\$A) per tonne of C170 bitumen in Queensland (May 2023)

The bitumen index is the straight average of the major bitumen suppliers' Monthly Gate List Prices (Published List Selling Price) for C170 grade bitumen. Source: vicroads.vic.gov.au; mainroads.wa.gov.au; tmr.qld.gov.au

UNTAPPED POTENTIAL

GEO THERMAL PROJECTS (QLD)

Why Geothermal?

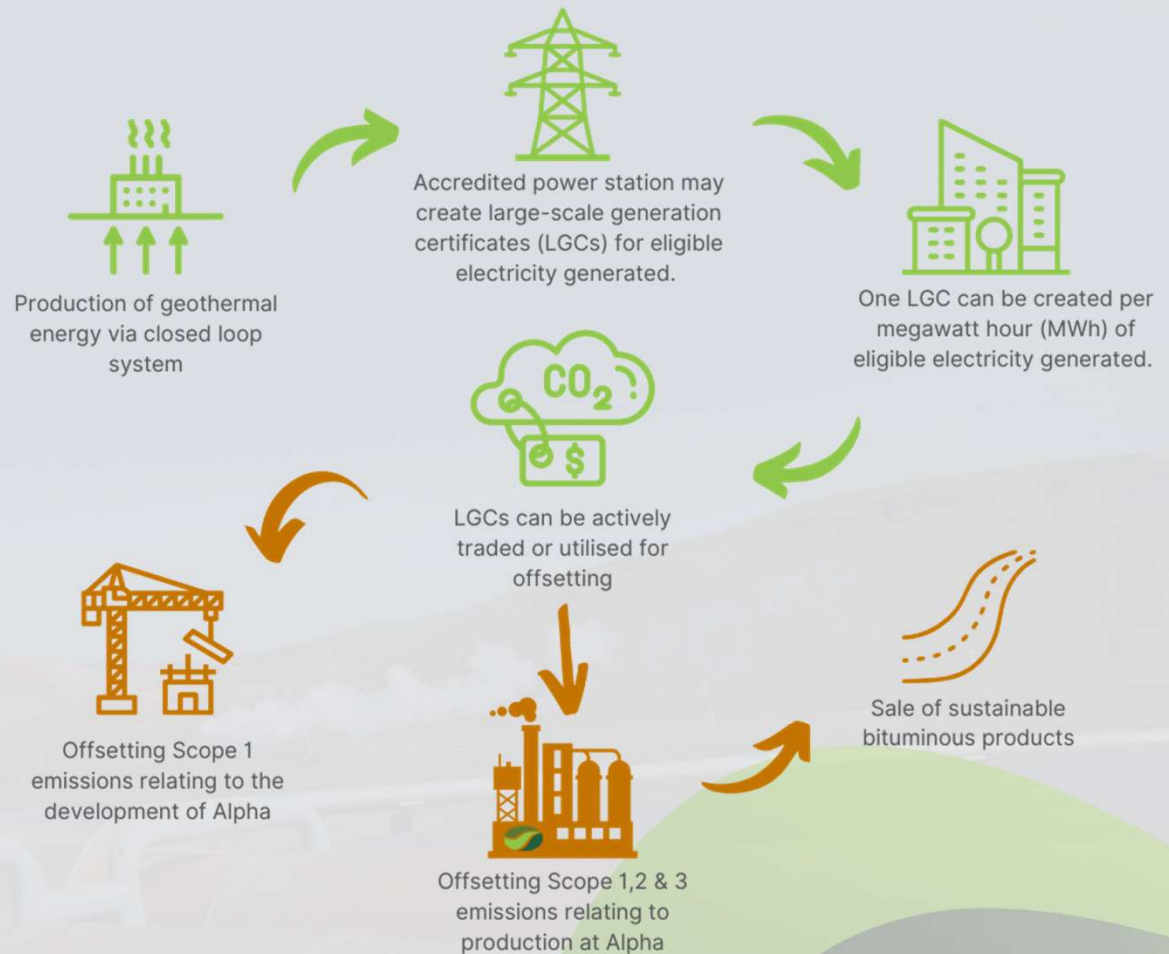
Sustainable production, significant opportunity



Not Reliant on
Weather

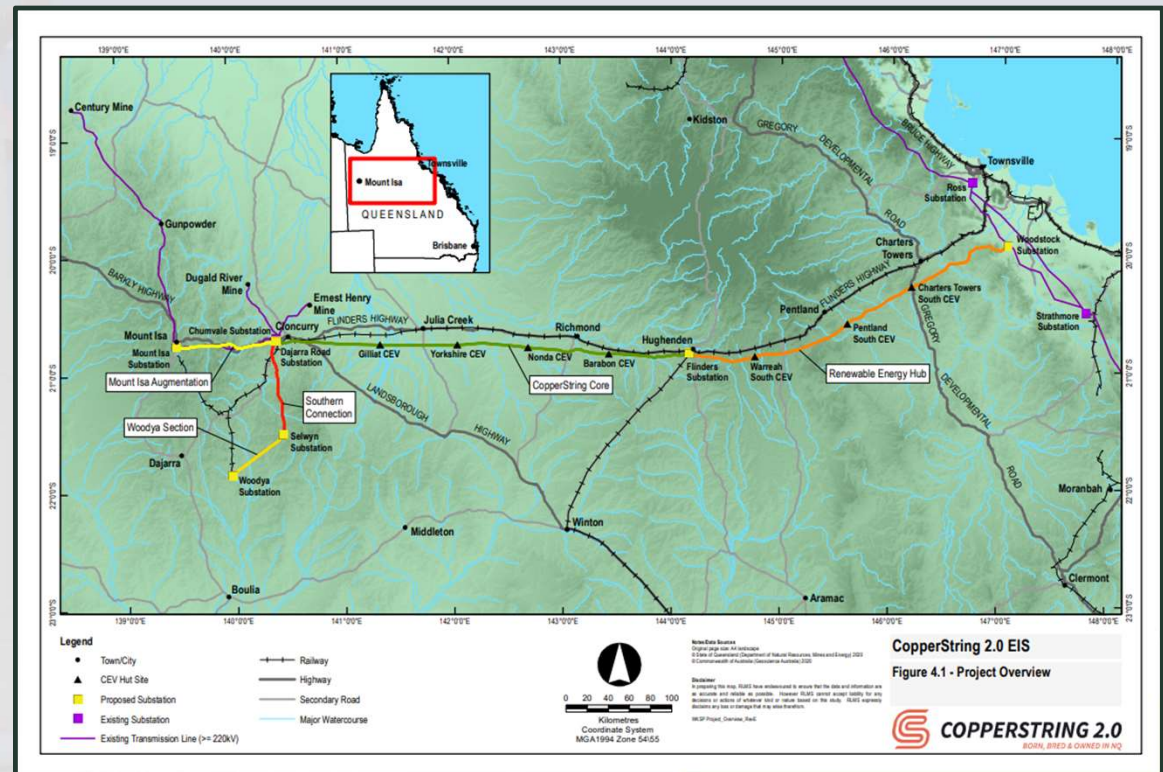
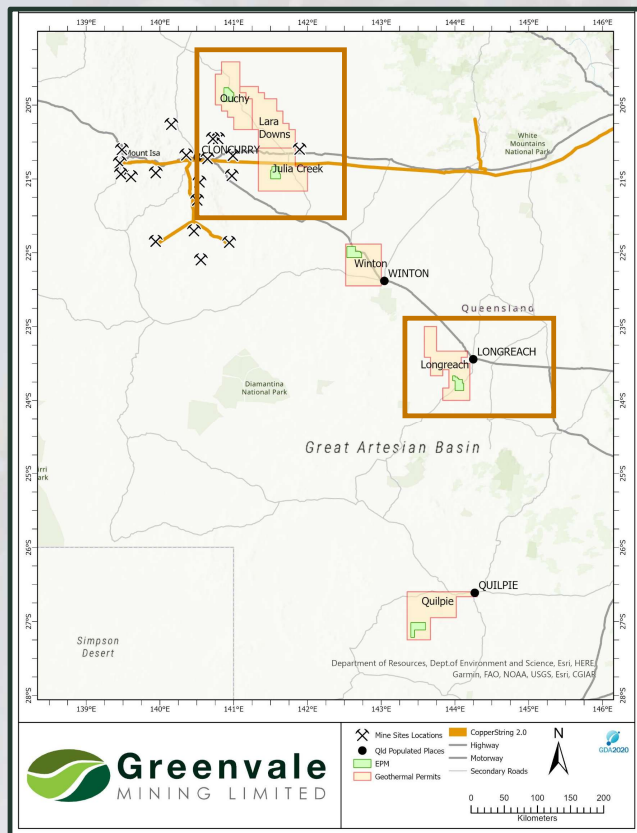
24hr Dispatchable
Electricity

Ultra-Low Emissions
Profile



Geothermal – Project Status

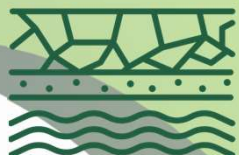
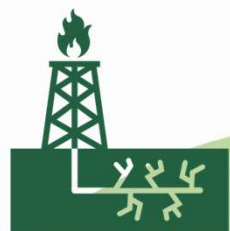
Untapped Renewable Energy Opportunities in Queensland



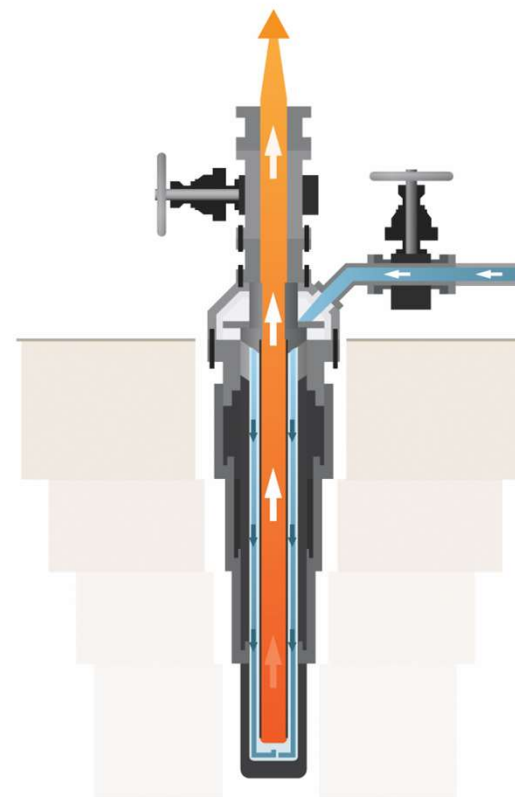
CopperString 2.0 EIS
Figure 4.1 - Project Overview

Geothermal – Closed Loop Technology

Breaking new ground in Australia with CeraPhi Energy



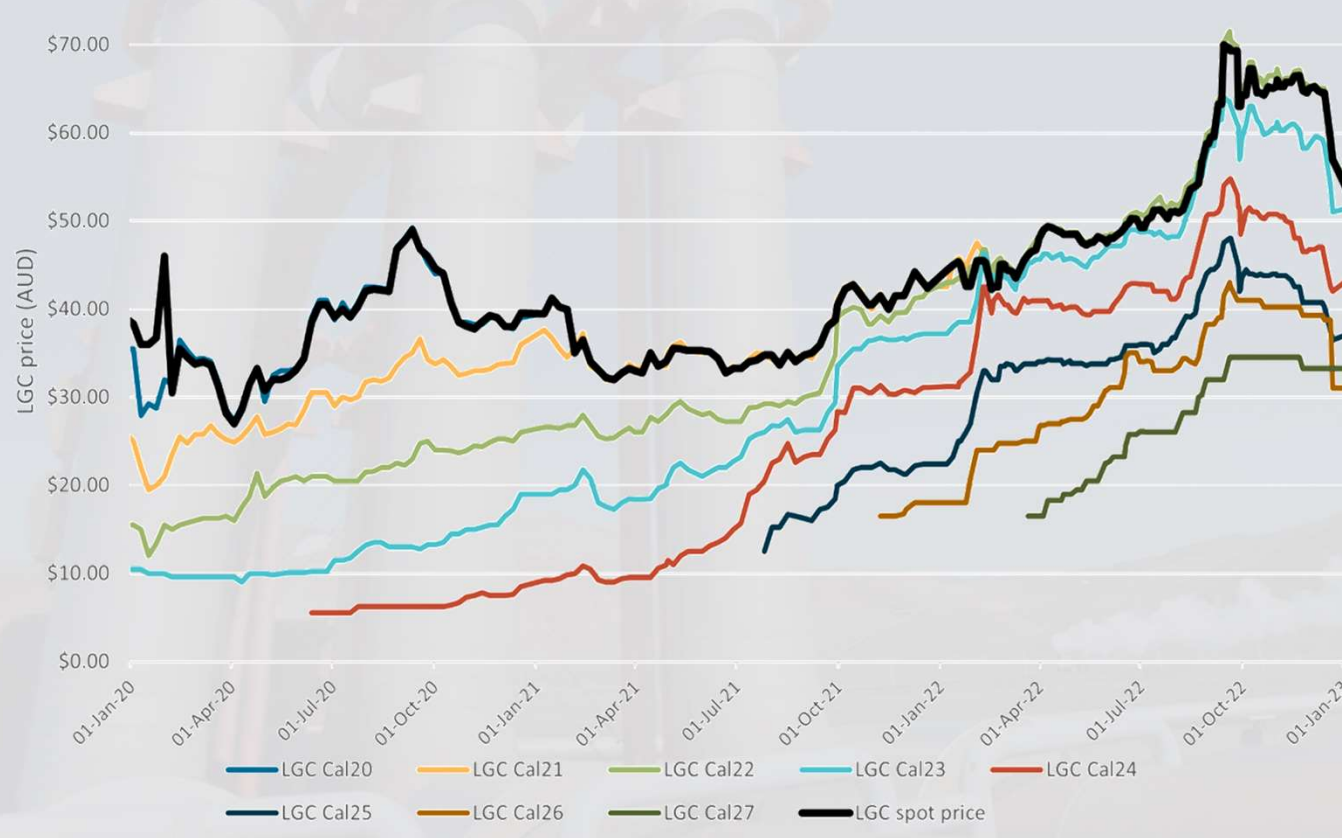
No aquifer
contamination



Closed loop down hole heat exchanger

Geothermal – REC (LGC)

Significant standalone opportunity as Australia transitions to renewable energy




\$49.85

LGC Spot Price (31/01/23)

Source: Quarterly Carbon Market Report December Quarter 2022

The road so far...and the road ahead



Major milestones achieved along the way and those to come

Modified Fischer Assay

MFA results confirm high-yielding nature and strong commercial potential.

Expanded Field Program

62 drill holes completed, with 284m of 4C core samples; total program meterage of 2,195m.

Bitumen Certification

Product samples sent to Technix for final certification.

Alpha PFS

Delivery of preliminary feasibility study Q3 2023

Alpha Pilot Plant

Commencement of Alpha pilot plant trials Q4 2023.

Alpha Plant Design & Build

Design, approvals, build and commissioning of processing plant. Q1 2024 – Q1 2026

Alpha Production

Plant fully operational.

2020

2021

2022

2023

2024

2025

2026

2027

SRK Scoping Study

Focus project on higher value products – bitumen and activated carbon.

Mineral Resource Estimate

Maiden JORC Mineral Resource Estimate (MRE) completed for Alpha.

Liquefaction Test Work

Production of heavy oil fractions required for bitumen – significantly enhanced emissions profile.

PARR Reactor Tests

Third-party PARR reactor testing and analysis

EPG Grant

Longreach EPG granted Q3 2023; Millungera EPGs Q4 2023

Geothermal Plant Feasibility & Design

Q4 2023 Longreach

Enviro. Approvals

Geothermal environmental approvals Q2 2025

Drilling

Drilling at Longreach Q3 2025

10MW Power Plant

Geothermal power plant commissioned.

Why Greenvale?



GRV is paving the way



Experienced Board and Management.



Clear vision to become the only sustainable, end-to-end, domestic and fully carbon-offset producer of bitumen products to feed the critical infrastructure needs of Australia.



Geothermal energy is the only truly renewable, fully dispatchable energy source capable of supporting base load requirements and presents a significant standalone opportunity.



Have two unique projects, One driving goal, to be Australia's only carbon neutral end-to-end producer of high-quality and sustainable bituminous products