

## QUARTERLY ACTIVITIES REPORT – 30 June 2022

### COMPANY DETAILS

ABN: 94 647 135 108

#### PRINCIPAL AND REGISTERED OFFICE

Suite 1, Level 1  
680 Murray Street  
West Perth WA 6005  
T | +61 8 9214 9737  
F | +61 8 9214 9701  
E | info@lithiumenergy.com.au  
W | www.lithiumenergy.com.au

ASX CODE: LEL

#### SECURITIES ON ISSUE

80,010,000 shares comprising:

- 45,150,000 listed shares
- 34,860,000 unlisted shares (escrowed to 19 May 2023)

17,600,000 unlisted options comprising:

- 10,000,000 Executive Options (\$0.30, 18 March 2024) (escrowed to 19 May 2023)
- 4,000,000 Broker Options (\$0.30, 4 May 2024) (escrowed to 19 May 2023)
- 3,500,000 Executive Options (\$1.39, 29 November 2024)
- 100,000 SIP Options (\$1.595, 15 Feb 2025)

#### BOARD OF DIRECTORS

William Johnson (Executive Chairman)  
Farooq Khan (Executive Director)  
Peter Smith (Executive Director)

#### COMPANY SECRETARY

Victor Ho  
E | cosec@lithiumenergy.com.au  
T | (08) 9214 9737

#### AUTHORISED FOR RELEASE BY - FOR FURTHER INFORMATION:

William Johnson  
Executive Chairman  
E | chair@lithiumenergy.com.au  
Peter Smith  
Executive Director  
E | cosec@lithiumenergy.com.au  
T | (08) 9214 9737

31 July 2022



ASX : LEL

Suite 1, Level 1, 680 Murray Street, West Perth, Western Australia 6005

T | +61 8 9214 9737

### HIGHLIGHTS

#### Solaroz Lithium Project (Argentina)

- Government EIA approvals have been received to undertake exploration and drilling across the 8 Solaroz concessions.
- Exploration geophysics is advancing, with passive seismic surveys (to determine the base of the underlying basement rock, being the theoretical depth limit of potential lithium mineralisation) now largely complete across all of the Solaroz concessions and TEM surveys (to identify the depth of conductive brines) also progressing well, with collected data currently being interpreted.
- A drilling rig has been secured and drilling is planned to commence following the completion of the interpretation of the passive seismic and TEM surveys.
- Environmental Monitoring baseline studies have been undertaken, together with local community consultations.
- The local Solaroz team in Argentina has been expanded with an experienced Senior Geologist and further hires are pending.
- Flagship Solaroz Project (LEL:90%) comprises 12,000 hectares of highly prospective lithium mineral concessions located strategically within the Salar de Olaroz Basin in South America's "Lithium Triangle" in north-west Argentina, directly adjacent to or principally surrounded by world class lithium projects in production/development held by Allkem Limited (ASX/TSX:AKE) and Lithium Americas Corporation (TSX/NYSE:LAC).
- Lithium Energy has established an Exploration Target for Solaroz of **1.5 to 8.7 million tonnes** of contained Lithium Carbonate Equivalent (LCE) based on a range of lithium concentrations of between circa **500 mg/L Lithium (Li) and 700 mg/L Li**.

*The Exploration Target's potential quantity and grade is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource, and it is uncertain if further exploration will result in the estimation of a Mineral Resource.*

#### Burke Graphite Project (Queensland, Australia)

- Preparatory site works have been undertaken in advance of a drilling programme developed for the Burke Tenement, with the objective to upgrade part of the JORC Inferred Mineral Resource to a higher standard JORC Indicated Mineral Resource category, to facilitate the completion of studies on establishing a Purified Spherical Graphite manufacturing facility at or near the North Queensland Townsville Energy Chemicals Hub.
- A drilling programme has also been developed for the Corella Tenement with the objective to test the extent of graphite mineralisation identified through previously conducted sampling and EM survey.
- The Burke Project (LEL:100%) is located in North Central Queensland and contains one of the highest grade graphite deposits globally (with a JORC Inferred Mineral Resource of **6.3Mt @ 16.0% TGC** for 1Mt of contained graphite, which includes higher grade material of **2.3Mt @ 20.6% TGC** for 0.464Mt of contained graphite) and presents the opportunity for Lithium Energy to participate in the anticipated growth in demand for graphite and related products (including graphene) with respect to the production of Lithium-ion batteries where graphite is the largest single component by weight.

#### ABOUT LITHIUM ENERGY LIMITED (ASX:LEL)

Lithium Energy Limited is an ASX listed battery minerals company which is developing its flagship Solaroz Lithium Brine Project in Argentina and the Burke Graphite Project in Queensland. The Solaroz Lithium Project (LEL:90%) comprises 12,000 hectares of highly prospective lithium mineral concessions located strategically within the Salar de Olaroz Basin in South America's "Lithium Triangle" in north-west Argentina. The Solaroz Lithium Project is directly adjacent to or principally surrounded by mineral concessions being developed into production by Allkem Limited (ASX/TSX:AKE) and Lithium Americas Corporation (TSX/NYSE:LAC). The Burke Graphite Project (LEL:100%) contains a high grade graphite deposit and presents an opportunity to participate in the anticipated growth in demand for graphite and graphite related products.

[www.lithiumenergy.com.au](http://www.lithiumenergy.com.au)

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E | info@lithiumenergy.com.au

## PROJECTS

### SOLARAZ LITHIUM BRINE PROJECT (ARGENTINA)

(90%)

#### Exploration Work Underway to Validate Exploration Target

As previously announced, following a detailed review of reported results from various geophysical surveys and drilling data previously undertaken in the Salar de Olaroz basin (**Olaroz Salar**) by its neighbours Allkem Limited (ASX/TSX:AKM) (formerly Orocobre Limited) (**Allkem**)<sup>1</sup> and Lithium Americas Corporation (TSX/NYSE:LAC) (**Lithium Americas**), Lithium Energy believes that its Solaroz concessions lie over the same lithium rich aquifer within the Olaroz Salar from which Allkem has been extracting and processing lithium-rich brine for sale as lithium carbonate since ~2015 and from which Lithium Americas plans to draw upon for its neighbouring Cauchari-Olaroz development project.

Lithium Energy is testing the proposition that the aquifer which supplies the lithium-rich brine being extracted by Allkem extends under Lithium Energy's Solaroz concessions. This is being tested by geophysical work and drilling, with a view to fast tracking production of lithium carbonate dependent upon these works being successfully concluded.

An extensive work programme is currently underway, aimed at locating potentially lithium bearing brines of economic interest and obtaining preliminary information related to the hydrogeological and geochemical characteristics of the brine rich aquifer that comprises the Olaroz Salar underneath the Solaroz concessions.



Figure 1: North-Western section of the Olaroz Salar, where Lithium Energy exploration programme is underway

The first stage of the geophysical surveys is a programme of passive seismic surveys across the Solaroz concessions. These surveys advanced well during the quarter and are nearing completion, with collected data currently being interpreted. Interpretation of the data will be used to determine the depth of the underlying basement rock (i.e. the theoretical limit of potential lithium mineralisation) underneath the concessions.

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1 Orocobre Limited (former ASX:ORE) changed its name to Allkem Limited (ASX:AKE) with effect on 6 December 2021



Figure 2: TEM Equipment



Figure 3: Placement of TEM Equipment

Transient Electromagnetic geophysics (**TEM**) is also currently underway, comprising sampling at approximately 500 metre spacing across the Solaroz concession package. TEM measures electrical conductivity at depth, to identify the depth of conductive brines (i.e. salty water with low electrical resistivity) above the basement rocks identified by the Passive Seismic programme. Conductive brines such as those currently being mined by Allkem in adjoining concessions are a key pathfinder for the occurrence of lithium in the Olaroz Salar.

The TEM survey will be followed by an initial exploration drilling campaign of ~5,000 metres of rotary and diamond-core drilling. The drilling will test the extent and grades of lithium mineralisation, porosity and flow rates across the layer(s) of conductive brines. This information will then be interpreted to develop a maiden JORC Mineral Resource for Solaroz.

A drilling rig has been secured from an experienced local contractor and will be mobilised to site once the interpretation of the passive seismic and TEM surveys are complete.

In addition to the above works, Lithium Energy will be undertaking an assessment of relevant mine economic criteria to assist in developing a pathway to the completion of feasibility study(s).



Figure 4: Typical drill rig used for drilling at a salar

## Other Activities During the Quarter

Lithium Energy has received the outstanding balance of the Environmental Impact Assessment (EIA) approvals from the local Jujuy Provincial Government Mining Authority required to undertake exploration works across all of its 8 concessions at its Solaroz Lithium Brine Project in Argentina (Solaroz).



Figure 5: Taking water samples for environmental monitoring

Following receipt of these approvals, Lithium Energy conducted a series of environmental monitoring surveys across the Solaroz concessions (including collecting water and air samples, flora and fauna surveys), to act as a baseline for environmental monitoring during the exploration works.

Consultations with local community groups have been undertaken, with a number of arrangements made with local suppliers to provide services and assistance with Lithium Energy's exploration programme.

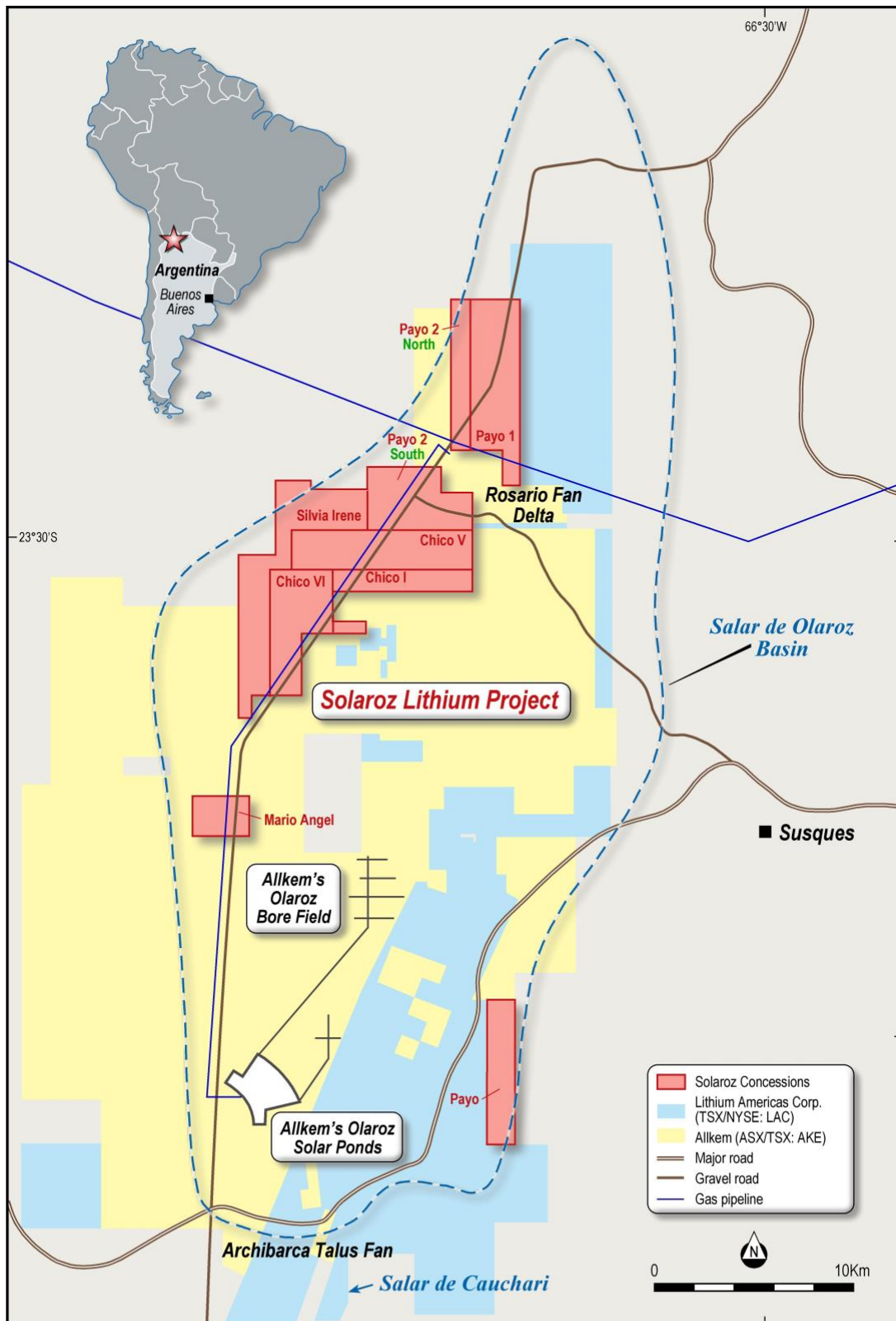
Lithium Energy has also initiated a number of community and landholder support programmes.

Lithium Energy is fully committed to maintaining the highest standards of environmental sustainability and supporting the local community groups during its exploration programme at Solaroz.




Figure 6: Lithium Energy Director Peter Smith, with members from local El Toro community

Lithium Energy continues to build its local team, appointing a Senior Geologist with extensive lithium brine experience at the Olaroz Salar. Further appointments are expected over the coming months to support the planned exploration programme.



**Solaroz Lithium Project, Argentina  
Solaroz Concessions Location Plan**


[www.lithiumenergy.com.au](http://www.lithiumenergy.com.au)

*Figure 7: Solaroz Concession Locations Adjacent to Allkem and Lithium Americas Concessions in Olaroz Salar*

## Solaroz Project Background

Lithium Energy's flagship Solaroz Lithium Brine Project comprises 8 mineral concessions totalling approximately 12,000 hectares, located approximately 230 kilometres north-west of the provincial capital city of Jujuy within South America's 'Lithium Triangle' in North-West Argentina (refer Figure 8) in the Salar de Olaroz basin (the Olaroz Salar).

The highly prospective nature of the Solaroz Project is highlighted by its close proximity to two world class Lithium brine assets, being the flagship Olaroz Lithium Facility of Allkem Limited (ASX/TSX:AKE) (formerly Orocobre Limited) (Allkem)<sup>2</sup> and the advanced Cauchari-Olaroz development project held by Lithium Americas Corporation (TSX/NYSE:LAC) (Lithium Americas) (under a joint venture with Ganfeng Lithium).

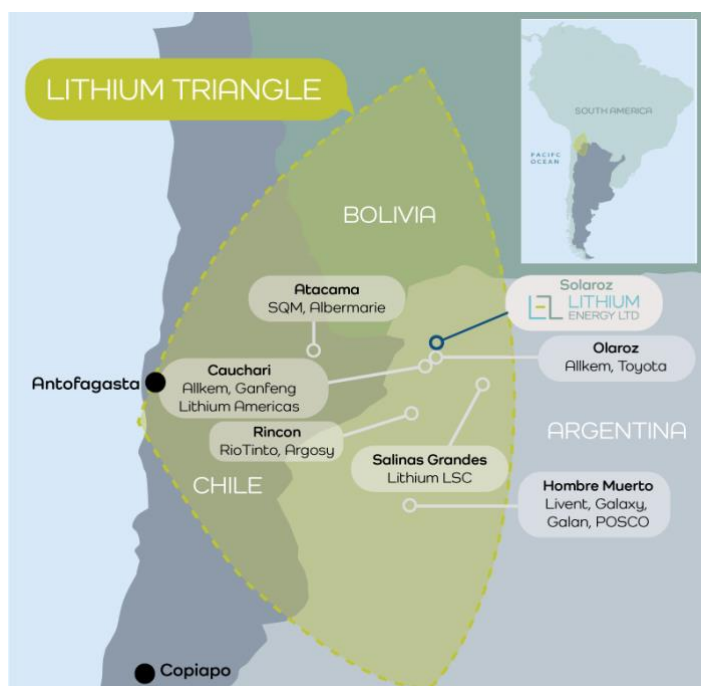


Figure 8: Lithium Projects Located in 'Lithium Triangle'

The Solaroz Project is directly adjacent to or principally surrounded by concessions held by Allkem and Lithium Americas in the Olaroz Salar (refer Figure 7). Allkem's Olaroz Lithium Facility at the Olaroz Salar (under a joint venture with Tokyo Stock Exchange listed Toyota Tsusho Corporation (TYO:8015)) has been extracting lithium brine and producing lithium carbonate since ~2015.<sup>3</sup> Lithium Americas' Cauchari-Olaroz Project is located in the Olaroz Salar and neighbouring Salar de Cauchari adjacent to Allkem's Olaroz Lithium Facility.<sup>4</sup>

The location of Lithium Energy's Solaroz concessions is outlined in Figures 7 and 9.

## Solaroz Exploration Target

Lithium Energy has established a conceptual Exploration Target for the Solaroz Project of<sup>5</sup>:

**1.5 to 8.7 million tonnes (Mt) of contained Lithium Carbonate Equivalent (LCE)**  
based on a range of lithium concentrations of between circa **500 mg/L Lithium (Li)** and **700 mg/L Li**

Brine Area (km <sup>2</sup> )	SOLAROZ EXPLORATION TARGET					
	Thickness of Deep Sand Unit (m)	Lithium (mg/L)	Average Specific Yield (Sy) (%)	Brine Volume (million m <sup>3</sup> )	Contained Lithium (Mt)	Contained LCE (Mt)
<b>Upper Assumption Estimate</b>						
78	150	700	20	2334	1.6	8.70
<b>Lower Assumption Estimate</b>						
78	75	500	10	584	0.3	1.5

<sup>2</sup> Orocobre Limited (former ASX:ORE) changed its name to Allkem Limited (ASX:AKE) with effect on 6 December 2021

<sup>3</sup> Refer also Allkem's June 2022 Quarterly Activities Report released on ASX on 20 July 2022, December 2021 Half Year Report released on ASX on 28 February 2022 and Allkem's (then known as Orocobre) 2021 Annual Report released on 25 August 2021

<sup>4</sup> Refer also Lithium America's Second Quarter 2022 Results released on 28 July 2022

<sup>5</sup> Refer LEL ASX Announcement dated 8 June 2021: Substantial Lithium Exploration Target Identified at the Solaroz Project in Argentina

Notes:

- (1) The Exploration Target's potential quantity and grade is conceptual in nature, there has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource.
- (2) Brine Volume ranges are approximations derived from an interpretation of open file geological and geophysical data.
- (3) Porosity are approximations based upon open file information contained within Houston et al (13 May 2011), Allkem (23 October 2014) and Lithium Americas (30 September 2020).
- (4) Lithium grade ranges have been approximated from a review of open file information (Houston et al (13 May 2011), Allkem (23 October 2014)).
- (5) Percentage values have been rounded (to the nearest 1,000 unit) in relevant calculations.
- (6) A conversion factor of 5.323 has been adopted to convert elemental Li to  $\text{Li}_2\text{CO}_3$  (LCE).
- (7) For further details in relation to the Exploration Target, refer to Lithium Energy's ASX Announcement dated 8 June 2021: Substantial Lithium Exploration Target Identified at the Solaroz Project in Argentina.

The Exploration Target demonstrates the potential world-class scale of Solaroz and has been arrived at after a detailed examination of extensive geological data that exists in relation to the brine rich lithium aquifer that comprises the Olaroz Salar, including a review of historical exploration in the Olaroz Salar and a detailed review of reported results from geophysical surveys undertaken by Allkem and Lithium Americas, including a number of Gravity and Audio-frequency Magnetotellurics (**AMT**) surveys conducted by Allkem, some of which were undertaken over or closely adjacent to Lithium Energy's Solaroz concessions.

Geological modelling undertaken by Lithium Energy indicates the potential for a lithium-brine hosting Deep Sand Unit to occur beneath surficial material at depths from 200 - 400m over a large proportion of the Solaroz concessions.

The Exploration Target is based on the interpretation that the alluvial deposits upon which the Solaroz concessions are located (at the North-West corner of the Olaroz Salar) have been deposited relatively recently and lie directly above the productive Deep Sand Unit of the lithium rich aquifer from which Allkem is extracting its brine.

Lithium Energy notes Allkem's update to their Olaroz Resource released in April 2022<sup>6</sup>, in which they substantially expanded the resource in the Olaroz Salar and confirmed strong project economics for expansion of production. The results from this update provide further support for Lithium Energy's conceptual Exploration Target, with the area defined by Allkem for their Updated 2022 Resource Outline extending close or adjacent to concessions held by Lithium Energy.

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6 Refer Allkem's ASX/TSX Announcement dated 4 April 2022: Olaroz resource upgraded 2.5x to 16.2 million tonnes LCE – Confirmation of strong project economics for Olaroz stage 2

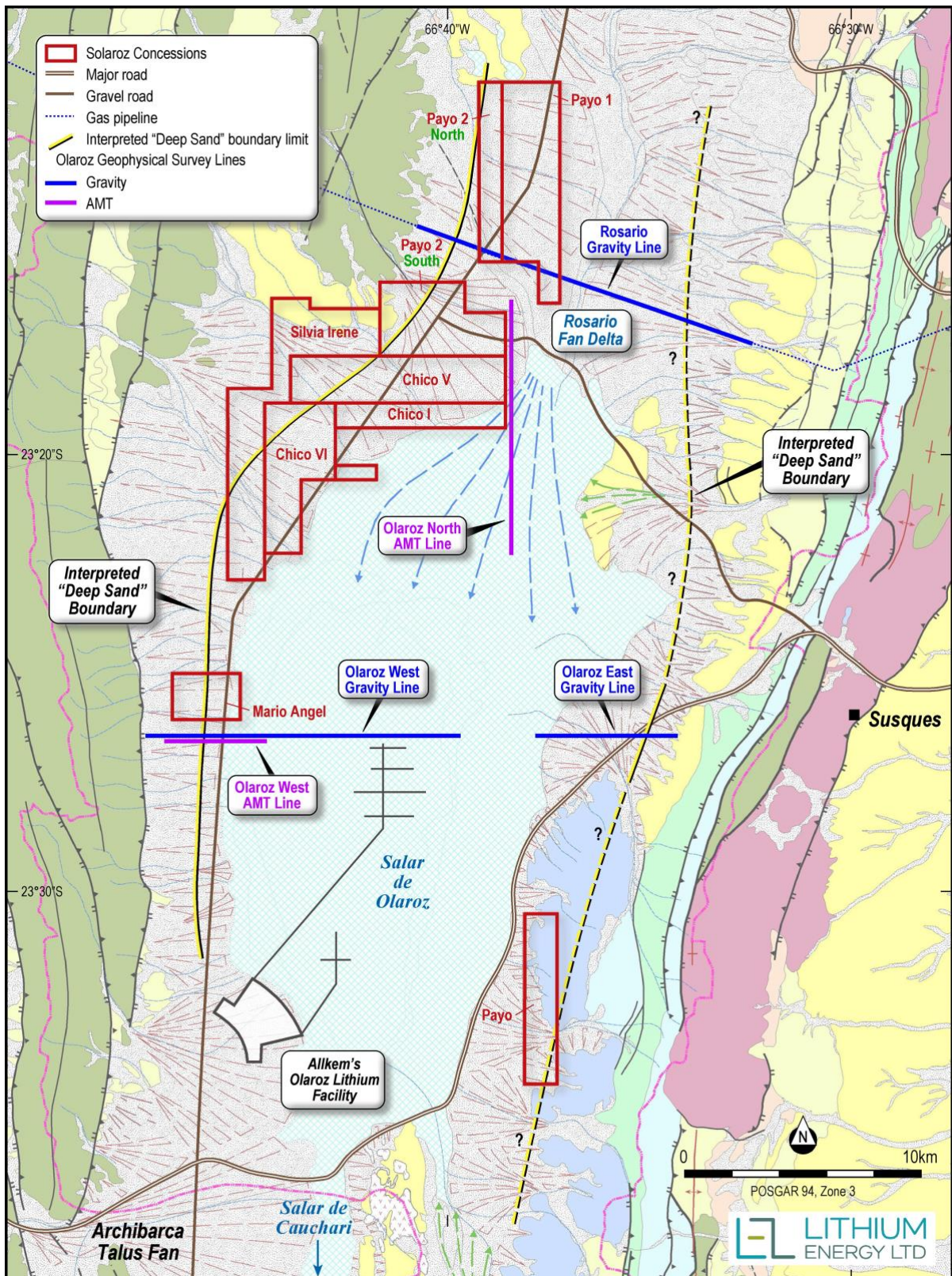


Figure 9: Geology of the Olaroz Salar with Location of the Solaroz Concessions and Location of Geophysical Surveys undertaken by Allkem Limited<sup>7</sup>

7 Source: Salfity Geological Consultants - [www.salfitygeologicalconsultant.com](http://www.salfitygeologicalconsultant.com)



## Solaroz Deep Sand Unit

Lithium Energy's interpretation of the Olaroz Salar basin architecture is that the aquifer which supplies the lithium-rich brine being extracted by Allkem and forming the lithium mineralisation upon which the Lithium Americas project is based, is contained in a Deep Sand Unit of the Olaroz Salar which extends to the north and west under the Talus Alluvial Wedge and the Solaroz concessions (refer Figure 10).

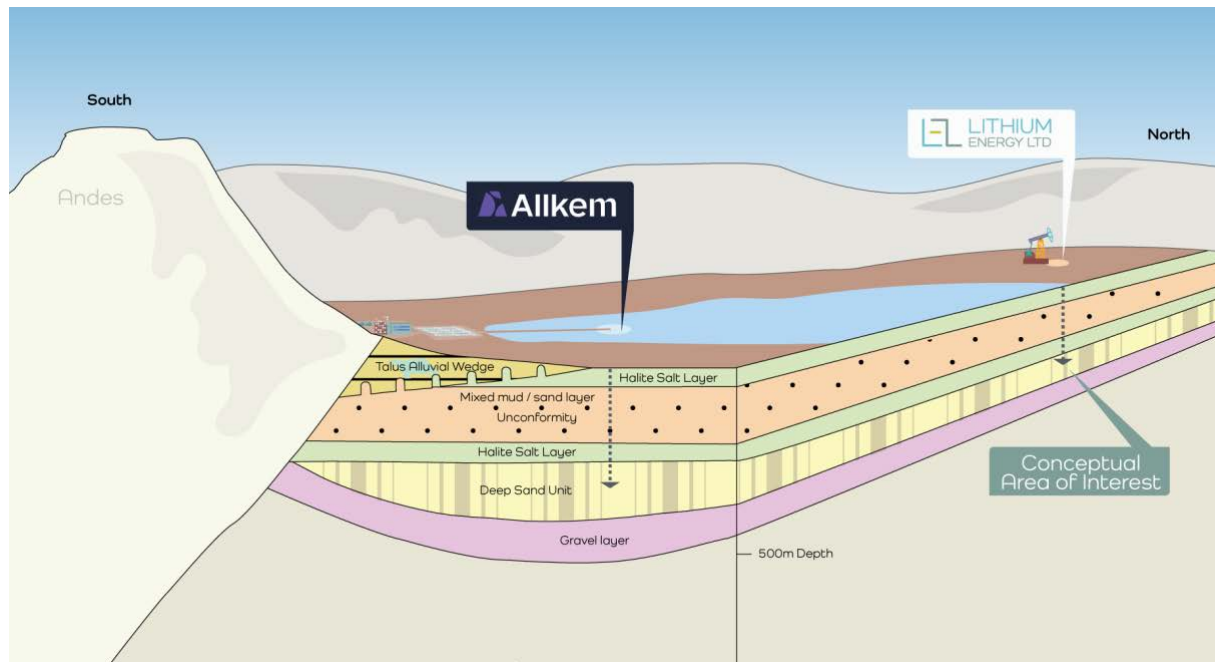


Figure 10: Solaroz Geological Exploration Concept

The presence of the Deep Sand Unit in the Olaroz Salar has been confirmed by exploration works undertaken by Allkem and Lithium Americas. The Company notes that the Rosario Fan Delta at the northern end of the Olaroz Salar and over which the *Payo 1* and *Payo 2* concessions are situated (refer also Figures 7 and 9), contains the interpreted paleo channel through which brines are interpreted to have likely flowed from the north into the Deep Sand Unit within both the Olaroz Salar and neighbouring Salar de Cauchari to the south.

Lithium Energy's interpretation of the Deep Sand Unit and paleo channel is conceptual in nature, there has been insufficient exploration to estimate a JORC Mineral Resource in respect of the same and it is uncertain if further exploration will result in the estimation of a JORC Mineral Resource.

The Company has also analysed a number of Gravity and AMT surveys conducted by Allkem, some of which were undertaken over or closely adjacent to Lithium Energy's Solaroz concessions. Figure 9 outlines the location of Lithium Energy's Solaroz concessions relative to the historical geophysical surveys that have been conducted by Allkem.

Gravity modelling at the Rosario Gravity Line shows that the depth to basement within the *Payo 1* concession is approximately 400m (refer Figure 11).

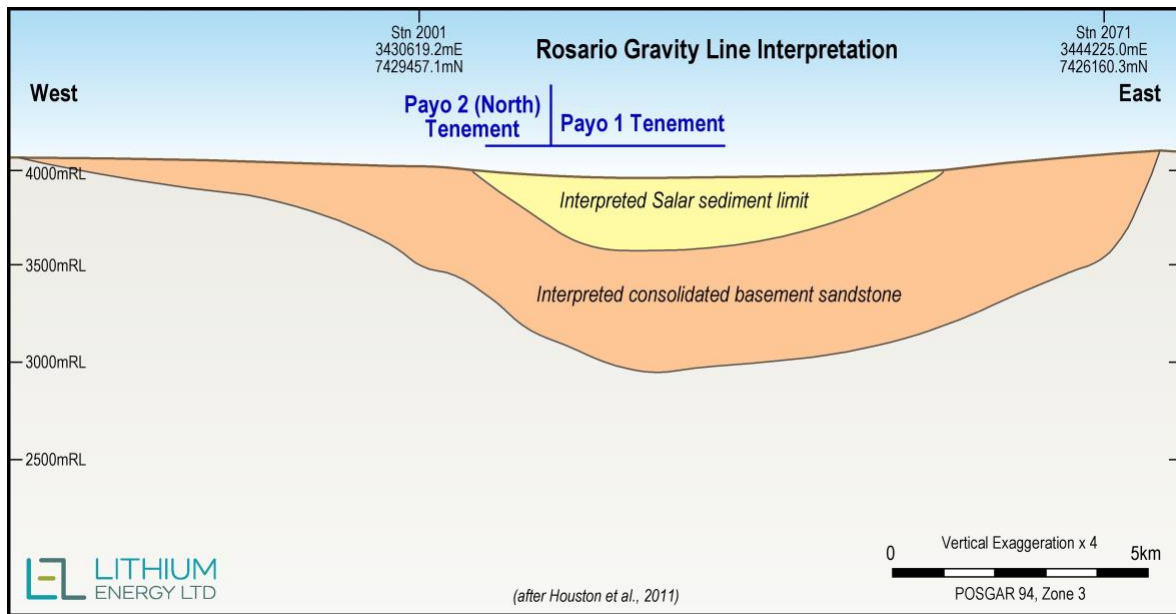


Figure 11: Olaroz Salar - Rosario Gravity Line across Solaroz Concessions

AMT modelling shows the interfaces between resistive material (i.e brackish water and lack of conductive salt rich brine) and the conductive brine. The AMT modelling at the Olaroz North AMT Line shows a thickening wedge of resistive material underlain by a conductive layer (interpreted to be conductive Brine), whilst the thickening wedge of resistive material above it comprises more recent Rosario sediments, which host brackish water at shallow depths, the nominal depths of which can be determined from the modelled section (refer Figure 12).

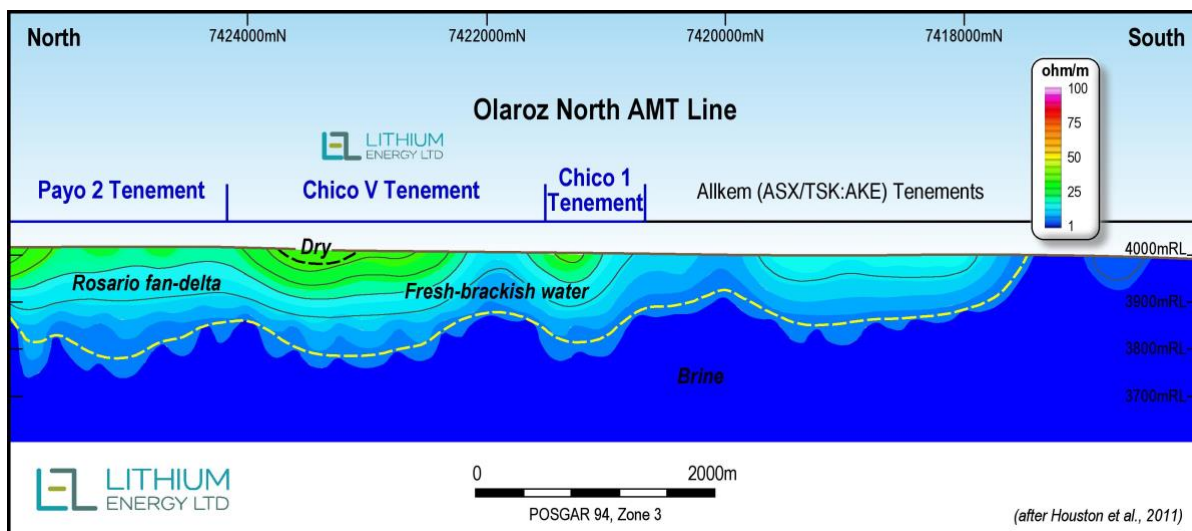


Figure 12: Olaroz Salar - Olaroz North AMT Survey Line

Similar interpretations can be applied (as annotated by Allkem in Houston et al, 13 May 2011) to the Olaroz East and West Gravity Lines and also the Olaroz West AMT Line to determine the location of the bounding fault (refer Figure 13).

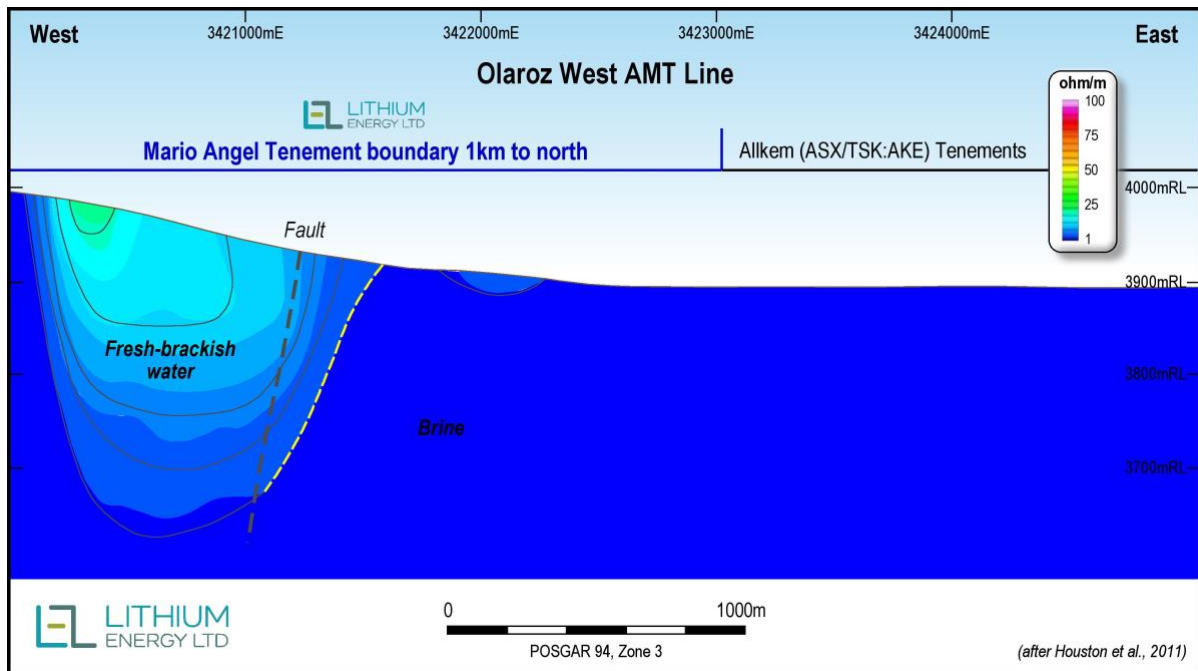


Figure 13: Olaroz Salar - Olaroz West AMT Survey

The interpreted location of the Deep Sand Unit have been superimposed on the gravity line interpretation and has assisted in determining the minimum and maximum thickness assumptions used in the Solaroz Exploration Target.

## BURKE GRAPHITE PROJECT (QUEENSLAND, AUSTRALIA)

(100%)

### Activities During the Quarter

The Company has completed a programme of flotation testwork to optimise the production of high purity graphite concentrate from previous drill core samples taken from the Burke Tenement. CSIRO is now using this material to undertake a programme of spheronisation and purification testwork, to demonstrate to potential graphite purchasers the benefits of the natural flake graphite from the Burke Tenement for use in lithium ion batteries.

Lithium Energy has undertaken preliminary site works and prepared a drilling programme at the Burke Tenement, to upgrade the Burke Deposit to a higher standard JORC Indicated Mineral Resource category.

Lithium Energy has also prepared a drilling programme at the Corella Tenement to test the extent of graphite mineralisation identified through the previously conducted EM survey and potentially for metallurgical sampling.

### Lithium-Ion Testwork

Test work to optimise the potential production of battery grade graphite advanced during the quarter, with the production of samples of high purity graphite concentrate from previous drill core samples taken from the Burke Tenement being produced using laboratory flotation.

This graphite concentrate is being used by CSIRO to undertake a programme of spheronisation, purification and electrochemical testwork. The spheroidisation of the natural graphite flakes, through a mechanical process, shapes the graphite into 'potato-like' structures with the objective of easier processing of Burke natural graphite flakes into electrode materials to reduce capacity losses and enhance cell efficiency.

Lithium Energy has entered into a Research Agreement with CSIRO (September 2021<sup>8</sup>) to undertake this work, which comprises a key component required to demonstrate to potential graphite purchasers the benefits of the natural flake graphite within the Burke Deposit for use in lithium ion batteries.

The research project is being undertaken pursuant to the CSIRO Kick-Start initiative, which provides funding and support for innovative Australian small businesses to access CSIRO's research expertise and capabilities to help grow and develop their business. 50% of the project cost will be co-funded by CSIRO through the Kick-Start Program.

### Drilling Programmes

Lithium Energy has developed a drilling programme comprising a combination of RC, diamond core and geotechnical holes (of ~2,500 metres across ~18 holes, to a depth of ~150 metres) to upgrade part of the JORC Inferred Mineral Resource at its Burke Tenement to a higher standard JORC Indicated Mineral Resource category, with further optimisation via 3D modelling and pit optimisation studies.

The upgrade in the resource classification of the Burke Tenement is required in order to assist Lithium Energy undertaking a number of studies to confirm the commercial viability of establishing a Purified Spherical Graphite manufacturing facility, using its very high-grade Burke Graphite as a feedstock material. The upgraded mineral resource will in particular allow the Company to set an annualised production rate for the proposed manufacturing facility using the Burke Tenement graphite.

Preliminary site works have been undertaken on the Burke Tenement in advance of this drilling programme.

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8 Refer LEL ASX Market Announcement dated 27 September 2021: High Grade Burke Graphite to be Optimised for Lithium Battery Application

Lithium Energy has also developed a drilling programme (comprising ~2,500 metres of drilling, including metallurgical sampling) at the Corella Tenement located approximately 30km west of Cloncurry (and approximately 150km south of the Burke Tenement).

A ground Electro Magnetic (EM) survey was completed in June 2018, covering the south-east corner of the Burke Tenement (refer Figure 15) and the north-east corner of the Corella Tenement (refer Figure 14).<sup>9</sup>

The EM survey identified significant target areas (for additional high-grade mineralisation) within the Corella Tenement as well as identifying new zones of increased conductivity adjacent to previously drilled graphite mineralisation within the Burke Tenement.

The Corella Tenement EM survey was carried out over outcropping and sub-cropping Geological Survey of Queensland mapped Graphitic Schists - the “Milo beds” - within the Corella Formation. Graphite grading 5 - 10% TGC is widespread throughout the outcropping Milo beds and the EM survey was carried out to identify higher-grade areas of mineralisation and identify future drill targets. The survey highlighted an area of approximately 1000m x 500m (refer Figure 14) within which conductive features similar to those corresponding to high-grade graphite occurring at the Burke Tenement were identified.

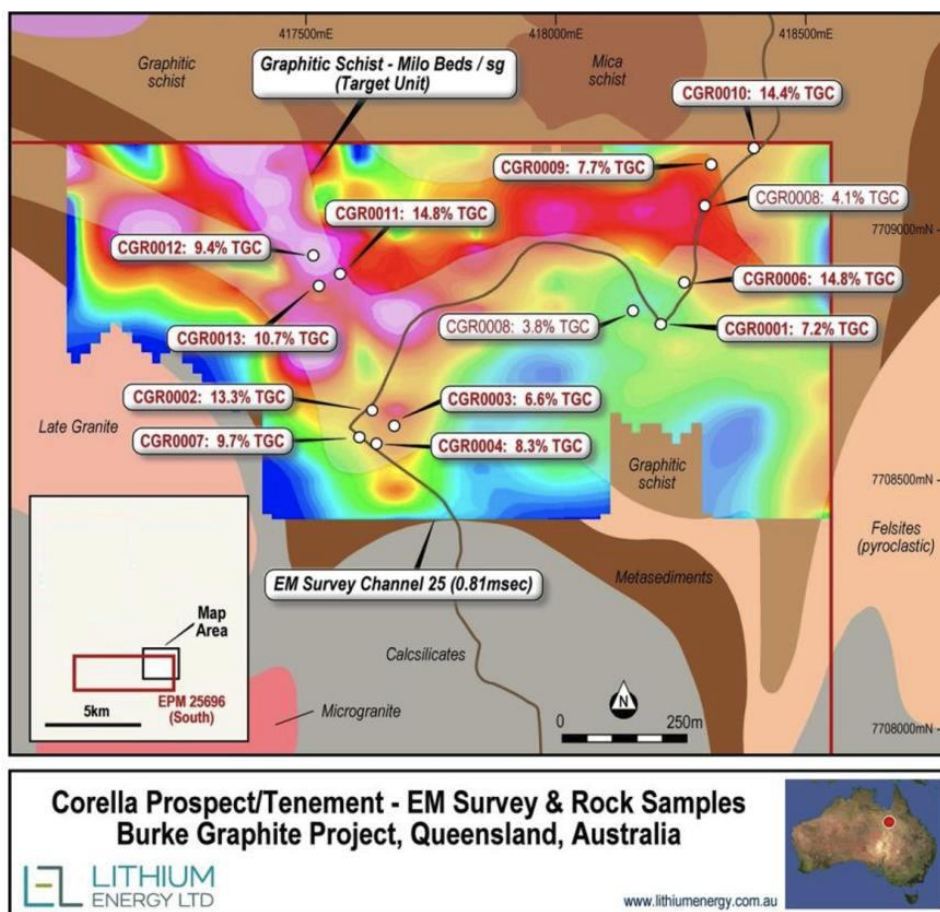


Figure 14 - EM Survey - Corella Prospect, Burke Graphite Project

The conductive features identified at the Corella Tenement appear to be shallow to flat-lying and occur in areas of outcropping and sub-cropping graphite that have rock chips of up to 14.85% TGC<sup>10</sup>.

The drilling programme developed for the Corella Tenement is designed to test the extent of graphite mineralisation identified through the previously conducted EM survey.

<sup>9</sup> Refer Strike Resources Limited (ASX:SRK) ASX Market Announcement dated 26 June 2018: Burke Graphite Project – New Target Area Identified from Ground Electro-Magnetic Surveys

<sup>10</sup> Refer Strike Resources Limited (ASX:SRK) ASX announcement dated 21 April 2017: Jumbo Flake Graphite Confirmed at Burke Graphite Project, Queensland

In addition to identifying the new potential at the Corella Tenement, the EM survey identified minor structural offsets, together with new zones of increased conductivity at previously drilled areas within the Burke Tenement.

The EM survey over the south-eastern corner of the Burke Tenement was carried out over outcropping and sub-cropping Geological Survey of Queensland mapped Graphitic Schists of the Corella Formation. The survey highlighted the high-grade graphite identified in the maiden drilling programme and identified minor structural offsets, together with new zones of increased conductivity which are outlined in Figure 15. In addition, the survey verified the width and dip of the drill intersected high-grade graphite.

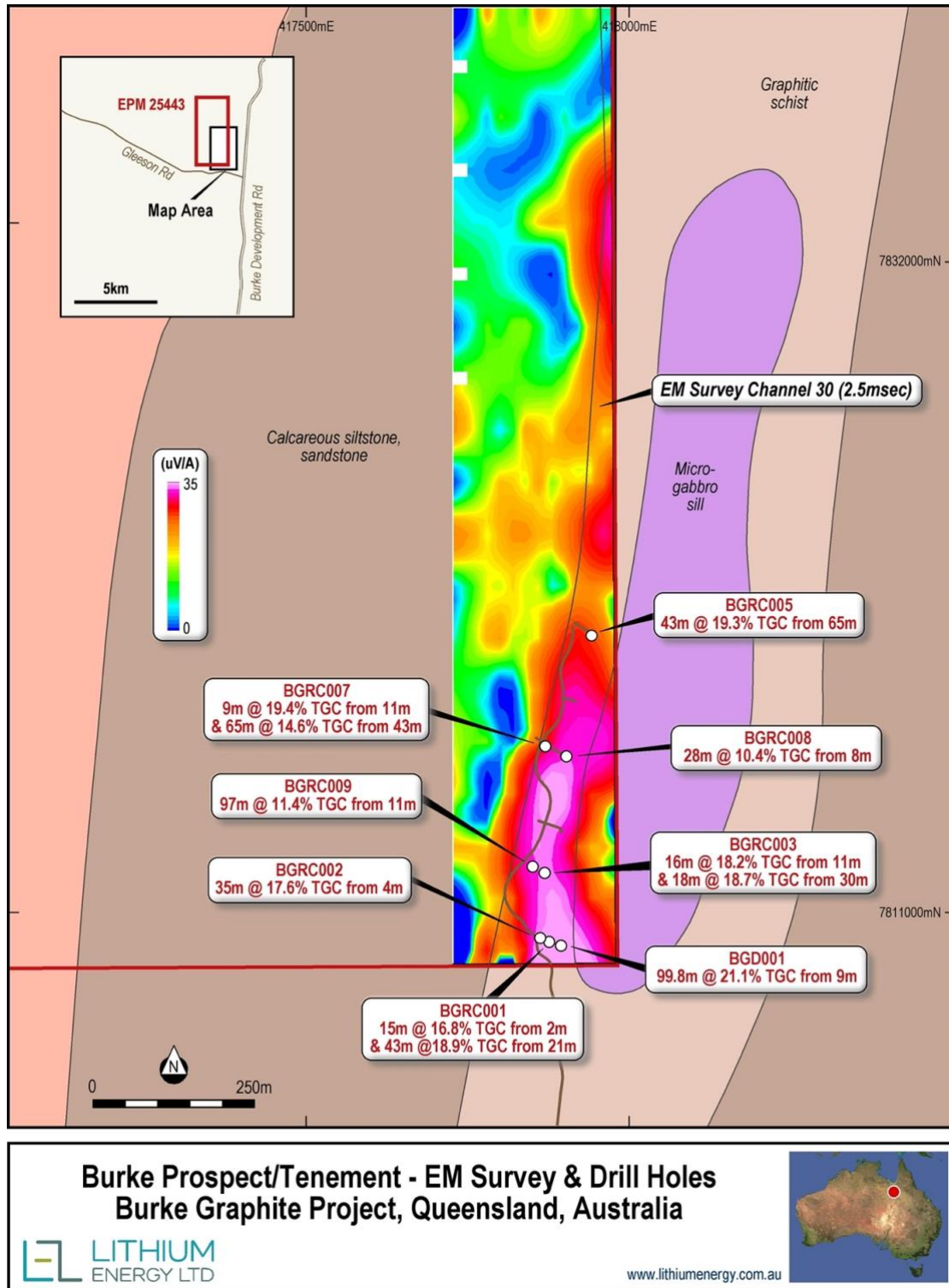


Figure 15: EM Survey - Burke Tenement, Burke Graphite Project

The drilling programme developed for the Burke Tenement is designed to increase the understanding of the Burke Deposit with the objective to upgrade higher grade portions of the JORC Inferred Mineral Resource to a higher standard JORC Indicated Mineral Resource category, in order to facilitate the completion of further economic studies.

### Potential Value Adding Processing Facility

Lithium Energy believes that:

- The high-grade nature of the Burke Deposit, its location in Queensland (including relative to the North Queensland Townsville Energy Chemicals Hub) and the prior test work indicating its suitability for use in lithium-ion batteries, affords the Company a highly advantageous position to expand the scope of its proposed graphite operations from that of a pure graphite miner.
- There are significant advantages in creating an in-country vertically integrated operation that will encompass a mine, a concentrator and a downstream processing operation to produce Purified Spherical Graphite (**PSG**) for sale to lithium-ion battery anode manufacturers.

Accordingly, Lithium Energy is investigating the establishment of a dedicated, environmentally sustainable manufacturing facility at or near the North Queensland Townsville Energy Chemicals Hub to purify and spheronise graphite sourced from the high-grade Burke Deposit for use as anode material in lithium-ion batteries.<sup>11</sup>

Lithium Energy has received submissions from a number of engineering companies to assist with the advancement of the studies relating to the establishment of a PSG manufacturing facility using the graphite deposit on the Burke Tenement. The Company will consider the appointment of an engineering company to advance these studies, once the drilling on the Burke Tenement is complete and the JORC Mineral Resource is upgraded to a level allowing suitable production targets to be determined.

### Burke Project Background

The Burke Graphite Project comprises two granted Exploration Permits for Minerals (**EPM**) totalling approximately 26 square kilometres located in the Cloncurry region in North Central Queensland, where there is access to well-developed transport infrastructure to an airport at Mt Isa (~122km) and a port in Townsville (~783km) (refer Figure 16).

The Burke EPM 25443 tenement (**Burke Tenement**) is located 125km north of Cloncurry in an established graphite mining province adjacent to the Mt Dromedary Graphite Project held by Novonix Limited (ASX:NVX). The Corella EPM 25696 tenement (**Corella Tenement**) is located 40km west of Cloncurry.

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<sup>11</sup> Refer LEL ASX Market Announcement dated 21 October 2021: Lithium Energy to Pursue Downstream Graphite Processing Opportunity at Emerging Townsville Battery Hub

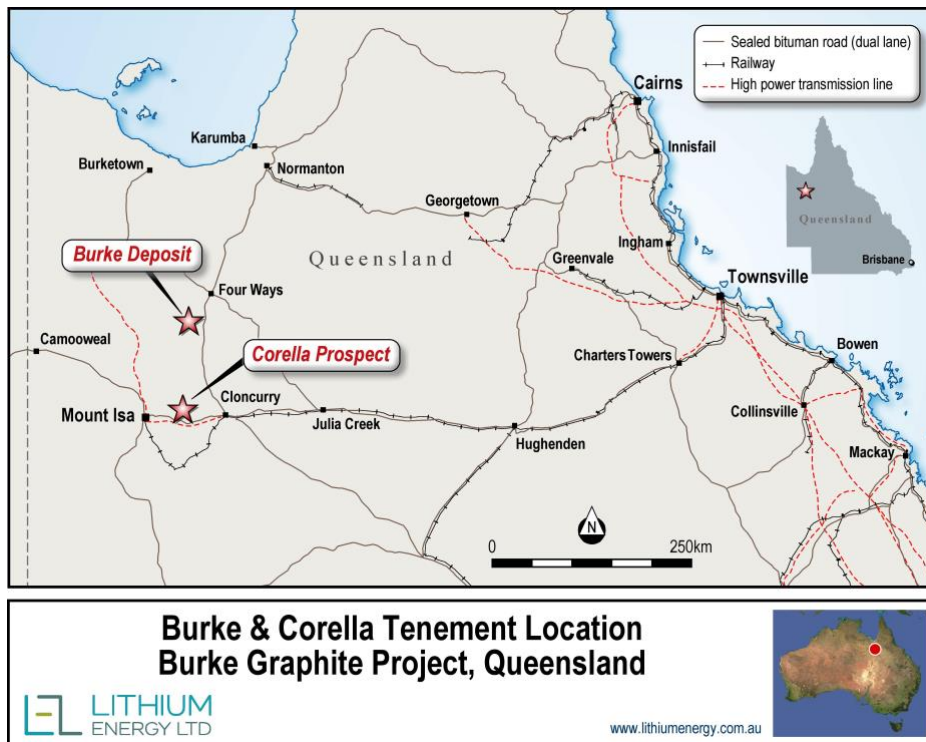


Figure 16: Burke Graphite Project Tenement Locations in North Central Queensland

### Burke Deposit

A Mineral Resource Estimate (MRE) for the Burke Tenement has defined a maiden Inferred Mineral Resource (Burke Deposit) of:

- **6.3 million tonnes @ 16.0% TGC** (with a TGC cut-off grade of 5%) for **1,000,000 tonnes** of contained graphite;
- Within the mineralisation envelope there is included higher grade material of **2.3 million tonnes @ 20.6% TGC** (with a TGC cut-off grade of 18%) for **464,000 tonnes** of contained graphite which will be investigated further.

Mineral Resource Category	Weathering State	Mt	TGC (%)	Contained Graphite (Mt)	Density (t/m)
Inferred Mineral Resource	Oxide	0.5	14.0	0.1	2.5
	Fresh	5.8	16.2	0.9	2.4
	<b>Total Oxide + Fresh</b>	<b>6.3</b>	<b>16.0</b>	<b>1.0</b>	<b>2.4</b>

Note: The Mineral Resource was estimated within constraining wireframe solids defined above a nominal 5% TGC cut-off. The Mineral Resource is reported from all blocks within these wireframe solids. Differences may occur due to rounding.

Refer Grade Tonnage Data in Table 2 of CSA Global Pty Ltd's Burke Graphite Project MRE Technical Summary dated 9 November 2017 (attached as Annexure A of Strike's ASX Announcement dated 13 November 2017: Maiden Mineral Resource Estimate Confirms Burke Project as One of the World's Highest Grade Natural Graphite Deposits



The Burke Deposit is one of the highest-grade graphite deposits globally:

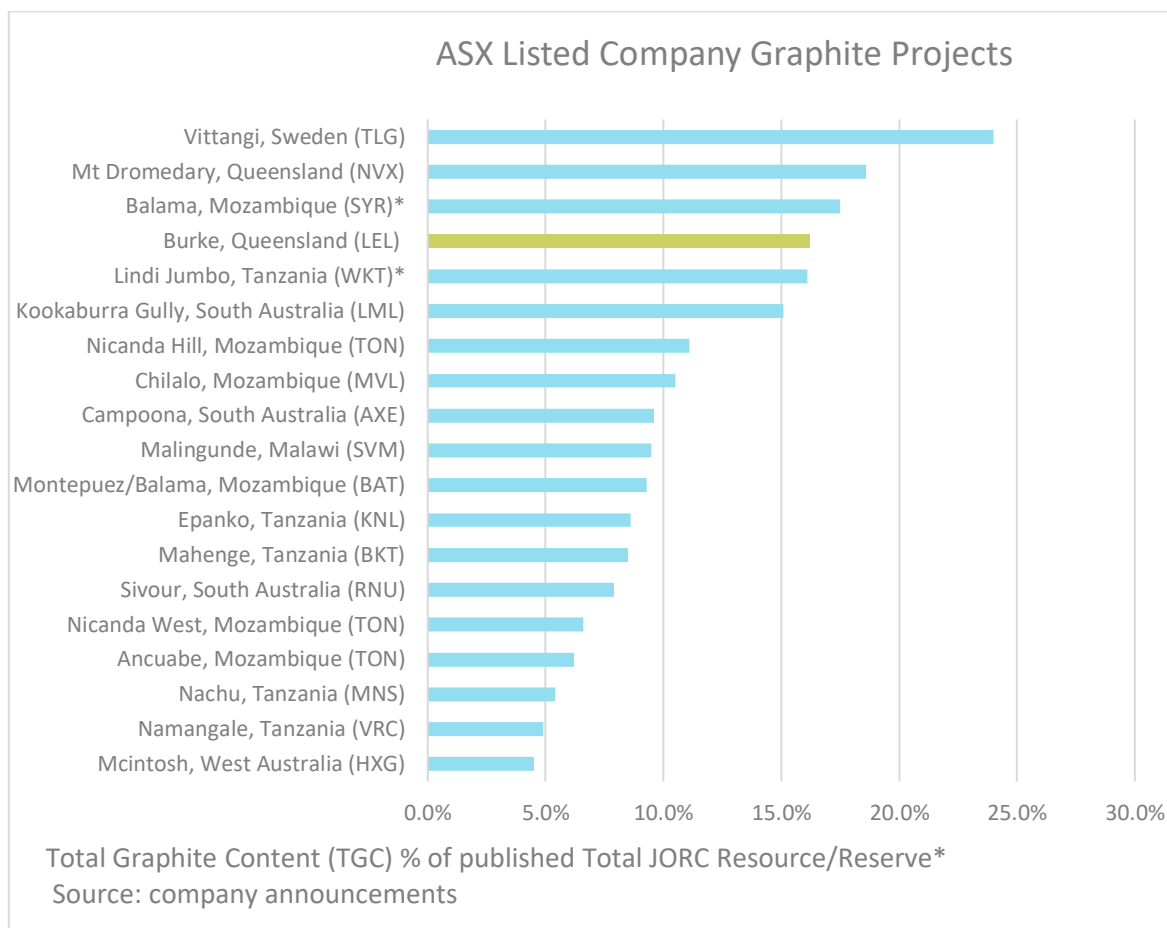


Figure 17: Total Graphite Content (TGC) of Graphite Projects Held by ASX Listed Companies  
(Source: ASX announcements)

The Burke Deposit presents the opportunity for Lithium Energy to participate in the anticipated growth in demand for graphite and graphite related products particularly with respect to the production of Lithium-ion batteries where graphite is the largest single component by weight.

In addition to the high-grade nature of the deposit, the Burke Deposit:

- Comprises natural graphite that has been demonstrated to be able to be processed by standard flotation technology to international bench mark product categories. The flotation tests previously conducted by IMO have confirmed that a concentrate of purity **in excess of 95% and up to 99% TGC** can be produced using a standard flotation process.
- Contains graphite from which Graphene Nano Platelets (**GNP**) have been successfully extracted direct from the Burke Deposit via Electrochemical Exfoliation (**ECE**). The ECE process is relatively low cost and environmentally friendly compared to other processes, yet it can produce very high purity Graphene products. The ECE process is however not applicable to the vast majority of worldwide graphite deposits as it requires a TGC of over 20% and accordingly the Burke Deposit has potentially significant processing advantages over other graphite deposits.
- Is located in the relatively safe and mining friendly jurisdiction of Queensland, Australia with well-developed transport infrastructure and logistics nearby.
- Is favourably located relative to the North Queensland Townsville Energy Chemicals Hub, which is emerging as an important precinct for the production of critical materials for battery technologies in Australia.
- Is potentially amenable to low cost open-pit mining.

## Demand For Purified Spherical Graphite (PSG)

The demand for PSG for use in lithium-ion batteries is expected to increase ten-fold over the next decade, as the world rapidly moves towards the electrification of mobility and renewable grid storage.

Graphite is a critical component of today's lithium-ion batteries – in fact, there is typically ten times by weight more graphite in a lithium-ion battery than lithium. Most of the world's supply of battery grade purified graphite for use as anode material in Electric Vehicle (EV) batteries is sourced from China. The technology currently used in China for purification uses highly toxic chemicals which are dangerous to handle and environmentally damaging.

Battery manufacturers are therefore increasingly seeking alternative sources for graphite. Australia is well positioned to meet this demand, with strong technical capabilities together with a range of Government funded initiatives such as the Future Battery Industries Cooperative Research Centre (CRC) which actively support the value enhancement of local critical minerals, including graphite.

## Graphene from the Burke Deposit

The exceptionally high-grade nature of the Burke Deposit and its chemical composition lends itself to efficient Graphene production technology, which is not available for a majority of lower grade graphite deposits.

Graphene usage in lithium-ion batteries is an emerging technology, where Graphene is used as an additive in the compound mix of the Cathode electrode terminal to effectively make the terminal more conductive. Graphene enhanced batteries allow for increased electrical density, more rapid recharge times, less weight, as well as having the ability to hold the charge longer which improves the battery's lifespan.

Graphene is technically defined as a single atom layer of crystalline carbon in a two dimensional 'honeycomb' type structure, but the term "Graphene" is often extended to include material made up of multiple stacked single layers of (single layer) Graphene. Material comprising up to 10 layers of Graphene is sometimes referred to as "Few Layer Graphene" (FLG), whereas material with between 10–150 layers of Graphene is known as "Graphene Nano Platelet" (GNP).

The Burke Deposit contains graphite from which GNP have been successfully extracted via ECE.

The ECE process is relatively low cost and environmentally friendly compared to other processes, yet it can produce very high purity Graphene products. The ECE process is however not applicable to the vast majority of worldwide graphite deposits as it requires a TGC of over 20% and accordingly, the Burke Deposit has potentially significant Graphene processing advantages over other graphite deposits.

In 2017<sup>12</sup>, a test was successfully undertaken on a sample of Burke graphite diamond drill hole core through ECE by IMO, to produce pure GNP material from raw Burke graphite. In ECE, a lump of graphite is inserted as an anode in a chemical solution and then an electric current is passed through the solution, using the graphite as an anode. Layers of Graphene then "peel off" and can be collected through a relatively simple process.

In order to capitalise on the commercial opportunities for using Graphene produced from the Burke Deposit in lithium-ion batteries, Lithium Energy is planning to undertake further test-work to optimise the production ECE process for producing high quality GNP, FLG and/or single layers of Graphene in commercial quantities.

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12 Refer Strike Resources Limited (ASX:SRK) ASX Announcement dated 16 October 2017: Test-work confirms the potential suitability of Burke graphite for Lithium-ion battery usage and Graphene production

## CORPORATE

### Securities on Issue

Class of Security	Quoted on ASX	Unlisted	Total
Fully paid ordinary shares	45,150,000	34,860,000	<b>80,010,000</b>
Executive Options (\$0.30, 18 Mar 2024) <sup>13</sup>	-	10,000,000	<b>10,000,000</b>
Broker Options (\$0.30, 4 May 2024) <sup>14</sup>	-	4,000,000	<b>4,000,000</b>
Executive Options (\$1.39, 29 Nov 2024) <sup>15</sup>	-	3,500,000	<b>3,500,000</b>
SIP Options (\$1.595, 15 February 2025) <sup>16</sup>	-	100,000	<b>100,000</b>

### Restricted Securities

Class of Security	Number	Escrow Period
Fully paid ordinary shares	34,860,000	19 May 2023 (24 months from date of Quotation)
Executive Options (\$0.30, 18 March 2024)	10,000,000	19 May 2023 (24 months from Quotation)
Broker Options (\$0.30, 4 May 2024)	4,000,000	19 May 2023 (24 months from Quotation)

On 10 May 2023, 150,000 fully paid ordinary shares were released from escrow.<sup>17</sup>

### Summary of Expenditure Incurred<sup>18</sup>

A summary of expenditure incurred by Lithium Energy during the quarter, in relation to cash flows from operating and investing activities reported in the accompanying Appendix 5B Cash Flow Report is as follows:

For Quarter ending 30 June 2022	Expenditure Incurred / Cash Outflows		
	Operating	Investing	Total
Exploration and evaluation expenditure	-	252	252
Personnel expenses	120	-	120
Occupancy expenses	-	-	-
Corporate expenses	21	-	21
Administration expenses	52	-	52
<b>Total Expenditure</b>	<b>193</b>	<b>252</b>	<b>445</b>

There were no mining production and development activities during the quarter.

<sup>13</sup> Refer Section 16.3 (Rights Attaching to Executive Options) of the Company's Prospectus (dated 30 March 2021) for terms and conditions of the Executive Options

<sup>14</sup> Refer Section 16.2 (Rights Attaching to Broker's Options) of the Company's Prospectus (dated 30 March 2021) for terms and conditions of the Broker Options

<sup>15</sup> Refer LEL Announcement dated 2 December 2021: Notification regarding unquoted securities – LEL and Annexure B (Terms and Conditions of New Executive Options) of LEL's Notice of Annual General Meeting and Explanatory Statement dated 18 October 2021 and released on ASX on 28 October 2021

<sup>16</sup> Refer LEL Announcement dated 18 February 2022: Notification regarding unquoted securities – LEL

<sup>17</sup> Refer LEL Announcements dated 3 May 2022: Notice of Release of Escrowed Securities and Application for Quotation of Securities

<sup>18</sup> Per ASX Listing Rule 5.3.1

### Reconciliation of Expenditure to Utilisation of Funds Statement in Prospectus<sup>19</sup>

	Proposed Utilisation of Funds Disclosed in Prospectus) <sup>20</sup>	Actual Expenditure (Cash Outflows) to 30 June 2022 \$'000	Variance
Exploration and Evaluation Expenditure	5,235	520	4,715
Cash Consideration Payments to Solaroz Owner	1,750	-	1,750
Expenses of the IPO	765	829	(64)
Balance: Corporate Overheads/Working Capital	1,250	996	253
<b>Total</b>	<b>9,000</b>	<b>2,345</b>	<b>6,655</b>

The Company notes that the longer than anticipated time period taken to receive environmental approvals to undertake exploration on the Solaroz concessions has put back the time framework for the proposed exploration and evaluation expenditure on the Solaroz Lithium Project as disclosed in Lithium Energy's Prospectus.

The Utilisation of Funds disclosed in Lithium Energy's Prospectus is an aggregate estimate over a 2 year period (as at the date of the Prospectus – 30 March 2021). The reported Actual Expenditure (above) is based on cumulative cash outflows from 14 January 2021 (the date of incorporation of the company) to 30 June 2022 and as reported in the Company's Appendix 5B Cash Flow Reports for the quarters ending 30 June 2021, 30 September 2021, 31 December 2021, 31 March 2022 and 30 June 2022.

The proposed exploration expenditure programme (and allocation across Lithium Energy's projects) (as outlined in the Prospectus) will be refined according to the results of the programmes as they are undertaken/develop, to meet working capital allocation priorities, and potentially for new project generation. All exploration expenditure is subject to change, as they are of necessity highly dependent on results achieved.

### Payments to Related Parties<sup>21</sup>

During the quarter, Lithium Energy paid a total of \$113k in respect of Directors' remuneration, comprising salaries, PAYG remittances to the ATO and statutory employer superannuation contributions. This is disclosed in Item 6 of the accompanying Appendix 5B Cash Flow Report.

<sup>19</sup> Per ASX Listing Rule 5.3.4

<sup>20</sup> Refer Section 6.1 (Utilisation of Funds) of the Company's Prospectus (dated 30 March 2021)

<sup>21</sup> Per ASX Listing Rule 5.3.5

## LIST OF MINERAL TENEMENTS

Lithium Energy has interests in the following mineral tenements as at the end of the quarter and currently:

### Solaroz Lithium Brine Project (Argentina) (90%)

Tenement Name	Area (Ha)	Province	File No
Mario Ángel	543	Jujuy	1707-S-2011
Payo	990	Jujuy	1514-M-2010
Payo 1	1,973	Jujuy	1516-M-2010
Payo 2	2,193	Jujuy	1515-M-2010
Chico I	835	Jujuy	1229-M-2009
Chico V	1,800	Jujuy	1312-M-2009
Chico VI	1,400	Jujuy	1313-M-2009
Silvia Irene	2,465	Jujuy	1706-S-2011

### Burke Graphite Project (Queensland, Australia) (100%)

Tenement No.	Grant Date	Expiry Date	Area (blocks)	Area (km <sup>2</sup> )
Burke EPM 25443	4/9/2014	3/9/2024	2 sub-blocks	~6.58
Corella EPM 25696	2/4/2015	1/4/2025	6 sub-blocks	~19.74

## JORC MINERAL RESOURCES

### Burke Graphite Project (Queensland, Australia) (100%)

The Burke Deposit (on the Burke EPM 25443 tenement) has a JORC Code (2012 Edition) compliant Mineral Resource:

Mineral Resource Category	Weathering State	Mt	TGC (%)	Contained Graphite (Mt)	Density (t/m)
Inferred Mineral Resource	Oxide	0.5	14.0	0.1	2.5
	Fresh	5.8	16.2	0.9	2.4
	Total Oxide + Fresh	<b>6.3</b>	<b>16.0</b>	<b>1.0</b>	<b>2.4</b>

*Note: The Mineral Resource was estimated within constraining wireframe solids defined above a nominal 5% TGC cut-off. The Mineral Resource is reported from all blocks within these wireframe solids. Differences may occur due to rounding.*

*Refer Grade Tonnage Data in Table 2 of CSA Global Pty Ltd's Burke Graphite Project MRE Technical Summary dated 9 November 2017 (attached as Annexure A of Strike's ASX Announcement dated 13 November 2017: Maiden Mineral Resource Estimate Confirms Burke Project as One of the World's Highest Grade Natural Graphite Deposits).*

## JORC CODE COMPETENT PERSON'S STATEMENTS

### JORC Code (2012) Competent Person Statement – Solaroz Lithium Project (Argentina)

The information in this document that relates to Exploration Targets and Exploration Results in relation to the Solaroz Lithium Project is extracted from the following ASX market announcements made by Lithium Energy dated:

- 8 June 2021 entitled "Substantial Lithium Exploration Target Identified at the Solaroz Project in Argentina"
- 26 May 2021 entitled "Geophysical Data Supports Highly Encouraging Exploration Potential for Solaroz"

The information in the original announcements is based on, and fairly represents, information and supporting documentation prepared and compiled by Mr Peter Smith (BSc (Geophysics) (Sydney) AIG ASEG). Mr Smith is a Member of the Australian Institute of Geoscientists (**AIG**) and a Director of the Company. Mr Smith has the requisite experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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' (the **JORC Code**). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements (referred to above). The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements (referred to above).

### JORC Code (2012) Competent Person Statement - Burke Graphite Project Mineral Resources

The Competent Persons named below have been previously engaged by Strike Resources Limited (ASX:SRK) (**Strike**), the former parent company of Lithium Energy Limited (and subsidiaries) that hold the interests in the Burke Graphite Project. Lithium Energy Limited was spun out of Strike into a new ASX listing in May 2021.

(a) The information in this document that relates to Mineral Resources in relation to the Burke Graphite Project is extracted from the following ASX market announcement made by Strike dated:

- 13 November 2017 entitled "Maiden Mineral Resource Estimate Confirms Burke Project as One of the World's Highest-Grade Natural Graphite Deposits".

The information in the original announcement (including the CSA Global MRE Technical Summary in Annexure A) that relates to these Mineral Resources is based on information compiled by Mr Grant Louw under the direction and supervision of Dr Andrew Scogings. Dr Scogings takes overall responsibility for this information. At the time of the Mineral Resource estimation, Dr Scogings and Mr Louw were employees of CSA Global Pty Ltd, who had been engaged by Strike to provide Mineral Resource estimate services. Dr Scogings is a Member of AIG (and at the time of the Mineral Resource estimation, also a member of the Australian Institute of Mining and Metallurgy (**AusIMM**)) and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the JORC Code. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement (referred to above). The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement (referred to above).

(b) The information in this document that relates to metallurgical test work results in relation to the Burke Graphite Project is extracted from the following ASX market announcements made by Strike dated:

- 16 October 2017 entitled "Test-work confirms the potential suitability of Burke graphite for lithium-ion battery usage and Graphene production".
- 13 November 2017 entitled "Maiden Mineral Resource Estimate Confirms Burke Project as One of the World's Highest-Grade Natural Graphite Deposits".

The information in the original announcements that relates to these metallurgical test work matters is based on, and fairly represents, information and supporting documentation prepared by Mr Peter Adamini, BSc (Mineral Science and Chemistry), who is a Member of AusIMM. Mr Adamini is a full-time employee of Independent Metallurgical Operations Pty Ltd, who had been engaged by Strike to provide metallurgical consulting services. Mr Adamini has the requisite experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the JORC Code (2012). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements (referred to above). The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements (referred to above).

- (c) The information in this document that relates to Exploration Results in relation to the Burke Graphite Project is extracted from the following ASX market announcements released by:
- (i) Lithium Energy dated:
- 27 September 2021 entitled "High Grade Burke Graphite to be Optimised for Lithium Battery Application"
  - 9 July 2021 entitled "Graphene from Burke Graphite Project Opens Up Significant Lithium-Ion Battery Opportunity".
- (ii) Strike dated:
- 21 April 2017 entitled "Jumbo Flake Graphite Confirmed at Burke Graphite Project, Queensland".
  - 13 June 2017 entitled "Extended Intersections of High-Grade Graphite Encountered at Burke Graphite Project".
  - 21 June 2017 entitled "Further High-Grade Intersection Encountered at Burke Graphite Project".
  - 16 October 2017 entitled "Test-work confirms the potential suitability of Burke graphite for lithium-ion battery usage and Graphene production".
  - 13 November 2017 entitled "Maiden Mineral Resource Estimate Confirms Burke Project as One of the World's Highest-Grade Natural Graphite Deposits".
  - 26 June 2018 entitled "Burke Graphite Project – New Target Area Identified from Ground Electro-Magnetic Surveys".

The information in the original announcements is based on, and fairly represents, information and supporting documentation prepared and compiled by Mr Peter Smith (BSc (Geophysics) (Sydney) AIG ASEG). Mr Smith is a Member of AIG, a consultant to Strike and also a Director of the Company (since 18 March 2021). Mr Smith has the requisite experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the JORC Code (2012). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements (referred to above). The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements (referred to above).

Lithium Energy's ASX Announcements may be viewed and downloaded from the Company's website: [www.lithiumenergy.com.au](http://www.lithiumenergy.com.au) or the ASX website: [www.asx.com.au](http://www.asx.com.au) under ASX code "LEL".

Strike's ASX Announcements may be viewed and downloaded from the Company's website: [www.strikeresources.com.au](http://www.strikeresources.com.au) or the ASX website: [www.asx.com.au](http://www.asx.com.au) under ASX code "SRK".

## FORWARD LOOKING STATEMENTS

This document contains "forward-looking statements" and "forward-looking information", including statements and forecasts which include without limitation, expectations regarding future performance, costs, production levels or rates, mineral reserves and resources, the financial position of Lithium Energy, industry growth and other trend projections. Often, but not always, forward-looking information can be identified by the use of words such as "plans", "expects", "is expected", "is expecting", "budget", "scheduled", "estimates", "forecasts", "intends", "anticipates", or "believes", or variations (including negative variations) of such words and phrases, or state that certain actions, events or results "may", "could", "would", "might", or "will" be taken, occur or be achieved. Such information is based on assumptions and judgements of management regarding future events and results. The purpose of forward-looking information is to provide the audience with information about management's expectations and plans. Readers are cautioned that forward-looking information involves known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of Lithium Energy and/or its subsidiaries to be materially different from any future results, performance or achievements expressed or implied by the forward-looking information. Such factors include, among others, changes in market conditions, future prices of minerals/commodities, the actual results of current production, development and/or exploration activities, changes in project parameters as plans continue to be refined, variations in grade or recovery rates, plant and/or equipment failure and the possibility of cost overruns.

Forward-looking information and statements are based on the reasonable assumptions, estimates, analysis and opinions of management made in light of its experience and its perception of trends, current conditions and expected developments, as well as other factors that management believes to be relevant and reasonable in the circumstances at the date such statements are made, but which may prove to be incorrect. Lithium Energy believes that the assumptions and expectations reflected in such forward-looking statements and information are reasonable. Readers are cautioned that the foregoing list is not exhaustive of all factors and assumptions which may have been used. Lithium Energy does not undertake to update any forward-looking information or statements, except in accordance with applicable securities laws.

# Appendix 5B

## Mining Exploration Entity or Oil and Gas Exploration Entity Quarterly Cash Flow Report

Name of entity

**LITHIUM ENERGY LIMITED (ASX:LEL) and its controlled entities**

ABN

**94 647 135 108**

Quarter Ended (current quarter)

**30 June 2022**

### Consolidated statement of cash flows

	Current Quarter Jun-2022 \$A' 000	Year to Date 12 months \$A' 000
<b>1. Cash flows from operating activities</b>		
1.1 Receipts from customers	-	-
1.2 Payments for		
(a) exploration & evaluation	-	-
(b) development	-	-
(c) production	-	-
(d) staff costs	(120)	(480)
(e) administration and corporate costs	(73)	(357)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	4	20
1.5 Interest and other costs of finance paid	-	-
1.6 Income taxes paid	-	-
1.7 Government grants and tax incentives	-	-
1.8 Other (provide details if material)	-	-
<b>1.9 Net cash from / (used in) operating activities</b>	<b>(189)</b>	<b>(817)</b>
<b>2. Cash flows from investing activities</b>		
2.1 Payments to acquire or for:		
(a) entities	-	-
(b) tenements	-	-
(c) property, plant and equipment	-	(2)
(d) exploration & evaluation	(252)	(442)
(e) investments	-	-
(f) other non-current assets	-	-



<b>Consolidated statement of cash flows</b>	<b>Current Quarter Jun-2022 \$A' 000</b>	<b>Year to Date 12 months \$A' 000</b>
2.2 Proceeds from the disposal of:		
(a) entities	-	-
(b) tenements	-	-
(c) property, plant and equipment	-	-
(d) investments	-	-
(e) other non-current assets	-	-
2.3 Cash flows from loans to other entities	-	-
2.4 Dividends received (see note 3)	-	-
2.5 Other (provide details if material)	-	-
<b>2.6 Net cash from / (used in) investing activities</b>	<b>(252)</b>	<b>(444)</b>
<b>3. Cash flows from financing activities</b>		
3.1 Proceeds from issues of equity securities (excluding convertible debt securities)	-	-
3.2 Proceeds from issue of convertible debt securities	-	-
3.3 Proceeds from exercise of options	-	-
3.4 Transaction costs related to issues of equity securities or convertible debt securities	-	-
3.5 Proceeds from borrowings	-	-
3.6 Repayment of borrowings	-	(5)
3.7 Transaction costs related to loans and borrowings	-	-
3.8 Dividends paid	-	-
3.9 Other (provide details if material)	-	-
<b>3.10 Net cash from / (used in) financing activities</b>	<b>-</b>	<b>(5)</b>
<b>4. Net increase / (decrease) in cash and cash equivalents for the period</b>		
4.1 Cash and cash equivalents at beginning of period	7,113	7,938
4.2 Net cash from / (used in) operating activities (item 1.9 above)	(189)	(817)
4.3 Net cash from / (used in) investing activities (item 2.6 above)	(252)	(444)
4.4 Net cash from / (used in) financing activities (item 3.10 above)	-	(5)
4.5 Effect of movement in exchange rates on cash held	-	-
<b>4.6 Cash and cash equivalents at end of period</b>	<b>6,672</b>	<b>6,672</b>

5. Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current Quarter \$A' 000	Previous Quarter \$A' 000
5.1 Bank balances	1,842	2,783
5.2 Call deposits	4,830	4,330
5.3 Bank overdrafts	-	-
5.4 Other (provide details)	-	-
<b>5.5 Cash and cash equivalents at end of quarter (should equal item 4.6 above)</b>	<b>6,672</b>	<b>7,113</b>

6. Payments to related parties of the entity and their associates	Current Quarter \$A' 000
6.1 Aggregate amount of payments to related parties and their associates included in item 1	(113)
6.2 Aggregate amount of payments to related parties and their associates included in item 2	-

*Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments*

7. Financing facilities <i>Note: the term "facility" includes all forms of financing arrangements available to the entity. Add notes as necessary for an understanding of the sources of finance available to the entity.</i>	Total facility amount at quarter end \$A' 000	Amount drawn at quarter end \$A' 000
7.1 Loan facilities	-	-
7.2 Credit standby arrangements	-	-
7.3 Other (please specify)	-	-
<b>7.4 Total financing facilities</b>	<b>-</b>	<b>-</b>

<b>7.5 Unused financing facilities available at quarter end</b>	-
-----------------------------------------------------------------	---

Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.

Nil

8. Estimated cash available for future operating activities	\$A' 000
8.1 Net cash from / (used in) operating activities (item 1.9)	(189)
8.2 (Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(252)
8.3 Total relevant outgoings (item 8.1 + item 8.2)	(441)
8.4 Cash and cash equivalents at quarter end (item 4.6)	6,672
8.5 Unused finance facilities available at quarter end (item 7.5)	-
8.6 Total available funding (item 8.4 + item 8.5)	6,672
<b>8.7 Estimated quarters of funding available</b> (item 8.6 divided by item 8.3)	<b>15.13</b>

*Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7*

8.8 If Item 8.7 is less than 2 quarters, please provide answers to the following questions:

8.8.1 Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?

N/A

8.8.2 Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?

N/A

8.8.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

N/A

## Compliance statement

1. This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
2. This statement gives a true and fair view of the matters disclosed.

Authorised By:



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**William Johnson**  
Executive Chairman

31 July 2022

See Chapter 19 of ASX Listing Rules for defined terms

**Notes**

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, AASB 6: Exploration for and Evaluation of Mineral Resources and AASB 107: Statement of Cash Flows apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee – eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee"
5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's Corporate Governance Principles and Recommendations, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.

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**AUTHORISED FOR RELEASE - FOR FURTHER INFORMATION:**

William Johnson  
Executive Chairman  
T | (08) 9214 9737  
E | chair@lithiumenergy.com.au

Victor Ho  
Company Secretary  
T | (08) 9214 9737  
E | cosec@lithiumenergy.com.au