

## Quarterly Activities Report

For the period ended 31 December 2024

### Highlights

- EnegeX continued to conduct low-cost gold and copper exploration on its 100% owned West Yilgarn tenure, which is led by the Rocky Ridge gold prospect on the Perenjori Project and the nearby Three Springs Project. Both Projects contain open gold soil anomalism in under-explored meta-greenstone terranes.
- Rocky Ridge is defined by a 6.5km corridor of surface gold anomalism (to 520ppb Au), and shallow drill results<sup>1</sup> of 7m at 2.52g/t Au EOH, 7m at 1.14g/t Au EOH and 6m at 0.98g/t Au. An aircore drill program to explore for bedrock mineralisation in the untested portions of the anomalous corridor is planned to commence early 2025.
- Heritage clearance has been granted for exploration drilling at the Rocky Ridge prospect following the completion of a heritage survey with representatives of the Yamatji Southern Regional Corporation (YSRC).
- A new Exploration Licence was applied for 25km northeast of Morawa covering unexplored greenstone lithologies along strike from Chalice Mining's (ASX: CHN) Recherche West<sup>1</sup> gold target. EnegeX has secured landowner permission for first-pass soil sampling which will be carried out on receipt of grant.
- Crop harvesting has recently been completed, and the Company looks forward to continuing its West Yilgarn field programs early 2025.

### West Yilgarn Projects

EnegeX (ASX: **ENX**, the **Company**) is exploring its strategic tenure position in the West Yilgarn Cu-Au, Au and Ni-Cu-PGE province of Western Australia (**Figure 1**), a region that hosts globally significant mineral deposits such as the multi-million-ounce **Boddington** copper-gold mine, the **Gonville** Ni-Cu-PGE deposit (ASX: CHN), and the **Caravel Copper Project** (ASX: CVV) with 3.03Mt of contained Cu, 0.9 Moz Au and 46.3 Moz Ag.

Gold potential across the broader project area is also highlighted by the **Moora Cu-Au Project** (ASX: M16), Cu-Au mineralisation at **Ularring** (ASX: CR1), a previously mined high-grade gold deposit at **Pithara** (ASX: SLZ), and the Company's **Rocky Ridge prospect**<sup>2</sup> (**Figures 1 and 2**).

EnegeX currently holds four Project areas: **Gutha, Three Springs, Perenjori, and Goomalling** (**Figure 1**), predominantly covering private freehold farming land. Access for exploration is subject to landowner consultation, consent and cropping activity, and EnegeX is grateful for the continued support shown by landowners for exploration across the Project areas.

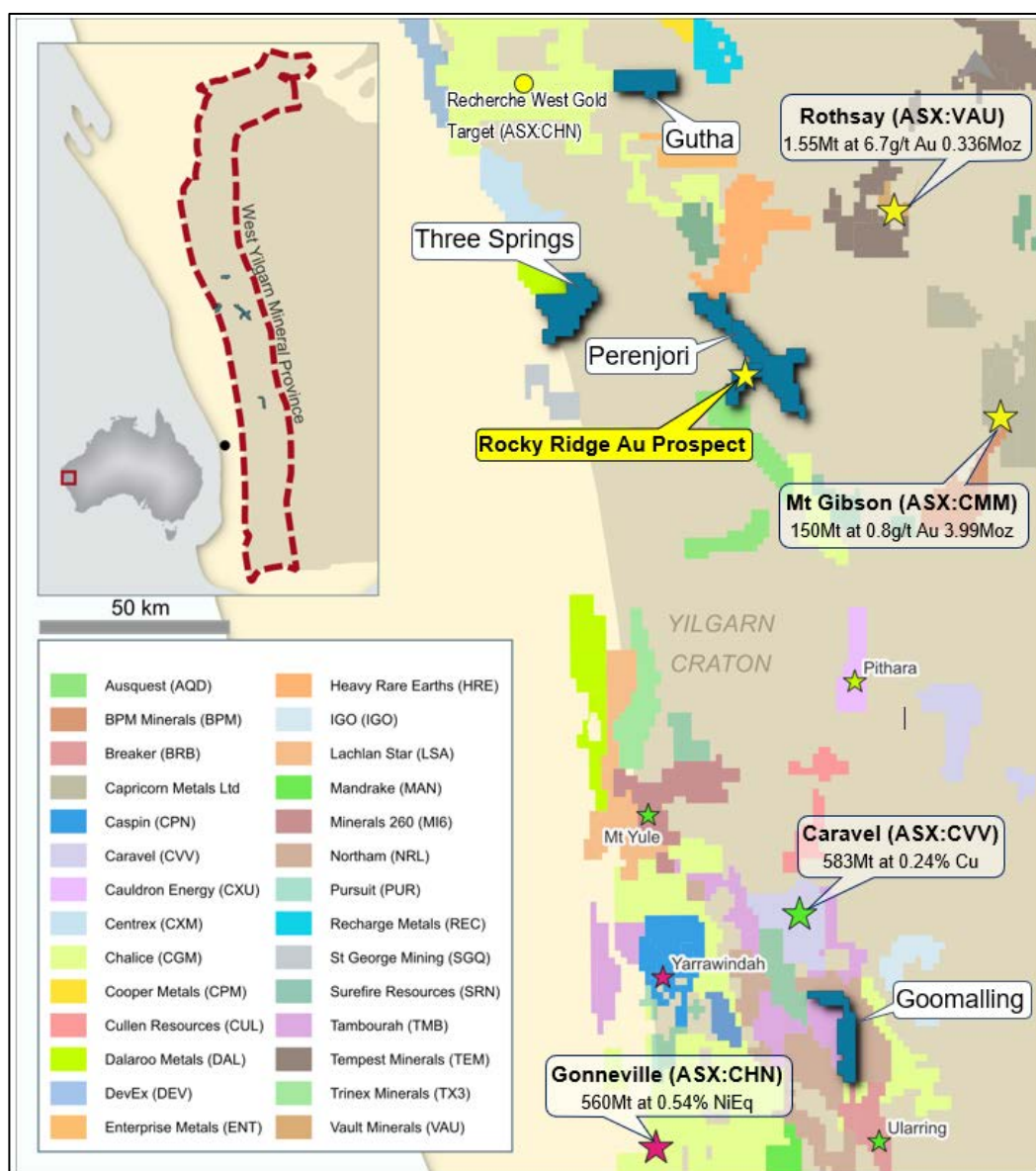
1. Refer to ASX: CHN 3<sup>rd</sup> Sept 2024 "Gold-copper exploration strategy for the West Yilgarn".

2. Refer to ASX: ENX 12<sup>th</sup> March 2024 'Significant New Gold Prospects – West Yilgarn'.



During the reporting period the Company secured a new 96km<sup>2</sup> exploration license application E70/6678, 52km north of the Perenjori Project and adjacent the town of Gutha (**Figures 1 and 2**). The Gutha project covers an eastward extension of unexplored greenstone from Chalice Mining's recently announced **Recherche West** gold target.

The Company surrendered the Miamoon and Walebing projects after all accessible exploration targets were tested. The previously reported geophysical magmatic nickel-copper targets 'Spitfire' and 'Crusader' were not tested as land access was not granted in those locations.

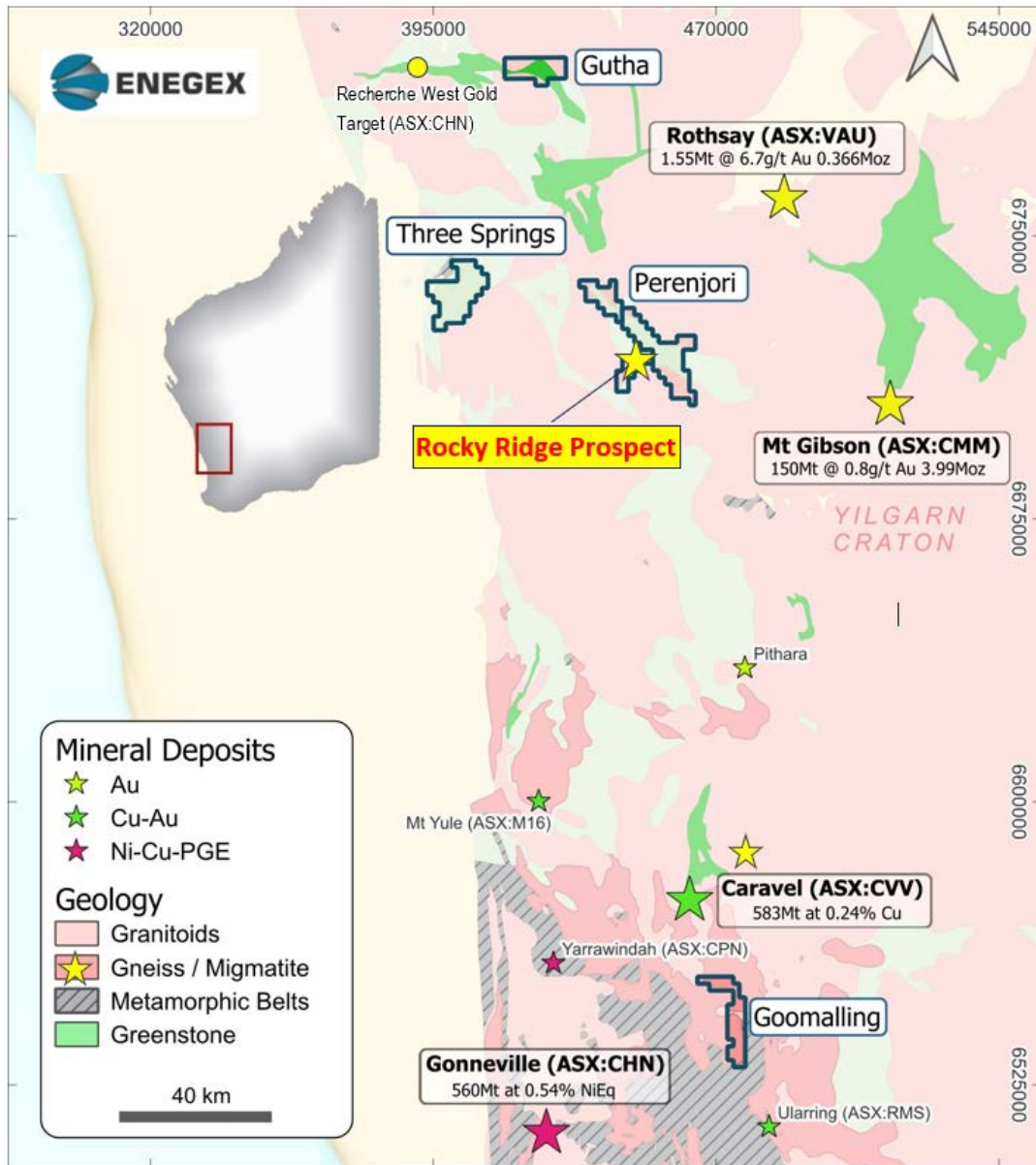


**Figure 1.** Regional tenure showing EnegeX licence holdings relative to nearby explorers and recent mineral discoveries.

The Company's early-stage exploration programs are based on the geology, structural framework and weathering profiles underlying the widespread soil-cover typical of the area (**Figure 2**). EnegeX has refined its geochemical thresholds and understanding of gold dispersion, which in turn allows for fast evaluation and turnover of less prospective tenure.



The Company applies first-stage and infill geochemical sampling techniques to inexpensively assess target areas, with a focus on structural trends not effectively tested by previous reconnaissance style roadside sampling.



**Figure 2.** Simplified GSWA Interpreted bedrock geology showing EnegeX licences and recent mineral discoveries.



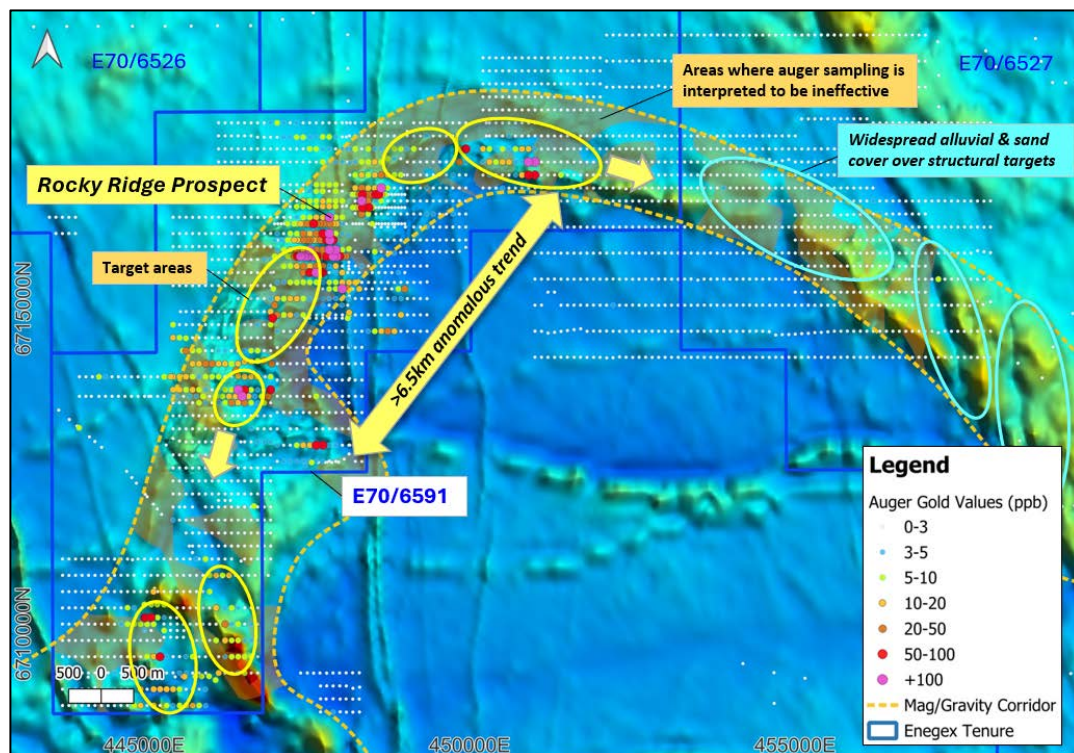
## Exploration Activities

### Perenjori Project

During the Quarter the Company continued to advance drilling preparations at the Rocky Ridge gold prospect with completion of a heritage survey organised by the Yamatji Southern Regional Corporation on behalf of the Traditional Owners of the Yamatji Nation. The completed heritage survey cleared a 7.9km strike length of the most prospective part of the Rocky Ridge anomalous gold corridor in preparation for aircore drilling.

Rocky Ridge has extensive gold mineralisation in near-surface transported laterite gravels, as well as in underlying oxidised bedrock, distributed along an arcuate aeromagnetic and gravity corridor. The geophysical corridor is overlain by a 6.5km trend of auger gold anomalism (**Figure 3**).

The best bedrock gold intercepts in past RAB, aircore and limited RC drilling include **7m at 2.52g/t Au EOH**, **7m at 1.14g/t Au EOH** and **6m at 0.98g/t Au**, indicating strong potential for commercial grades across the broader system.



**Figure 3.** Rocky Ridge Prospect – historical auger sampling and gold anomalism on aeromagnetic imagery. Orange shade shows areas of deeper cover where surface sampling may have not been effective.

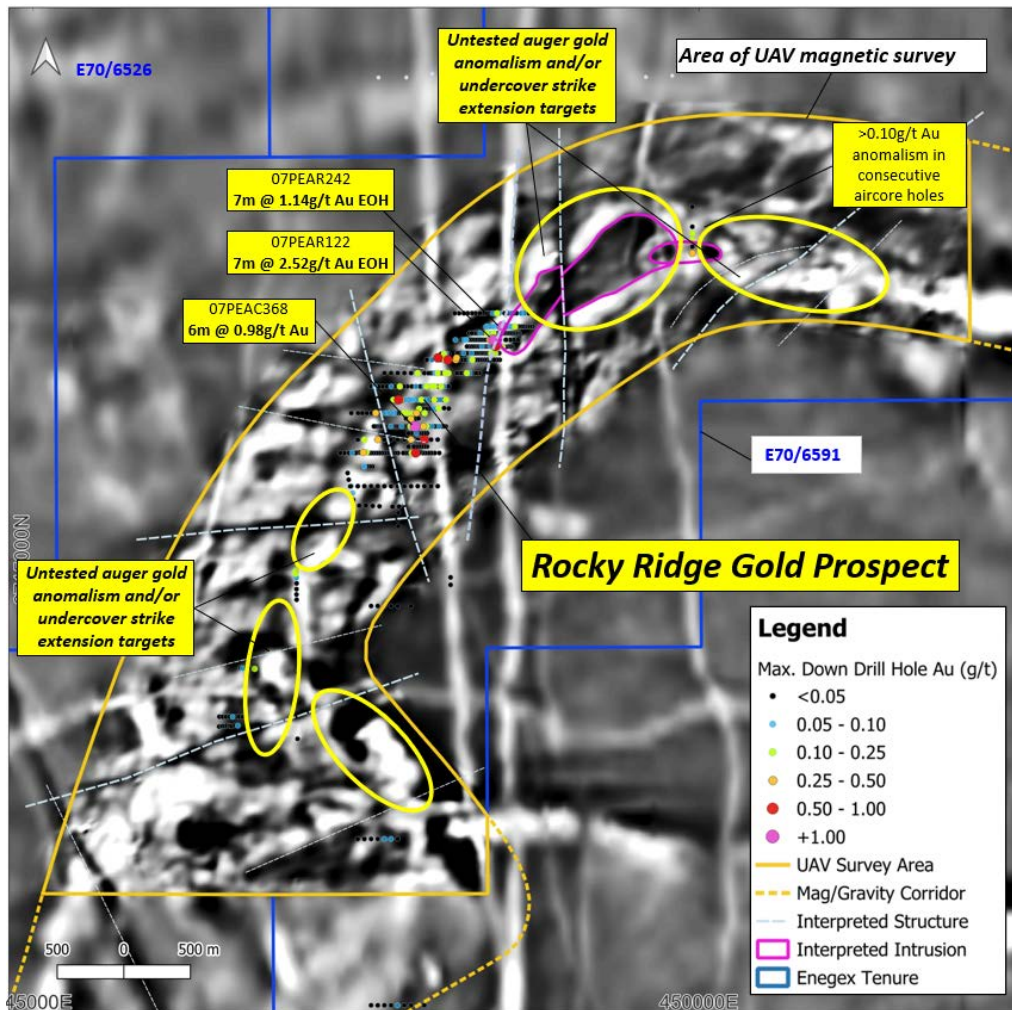
A UAV high-resolution magnetic survey<sup>3</sup> previously completed over the Rocky Ridge gold prospect (**Figure 4**) identifies prospective undrilled structures and intrusive bodies within key gold target anomaly areas, including to the east and south of past drilling (**Figure 4**), that will be tested by planned aircore drilling.

3. Refer to ASX: ENX 11<sup>th</sup> September 2024 “New Gold Targets Identified in Magnetic Survey at Rocky Ridge Prospect”



The Company believes that bedrock intercepts obtained in historic drilling to date do not adequately reflect the wide distribution and strength of the gold anomaly in overlying transported material, and additional bedrock testing to explore for commercial scale mineralisation at Rocky Ridge is a priority.

An environmental application is pending, which is the final statutory government requirement to commence our 2025 drill program.



**Figure 4.** Rocky Ridge Prospect – Historical drill collar positions indicating maximum down hole gold values from >9m depth on newly acquired UAV aeromagnetic imagery draped over public aeromagnetic imagery. Main target areas indicated in yellow and are often coincident with untested bedrock and areas below deeper cover.

### Planned Exploration Work

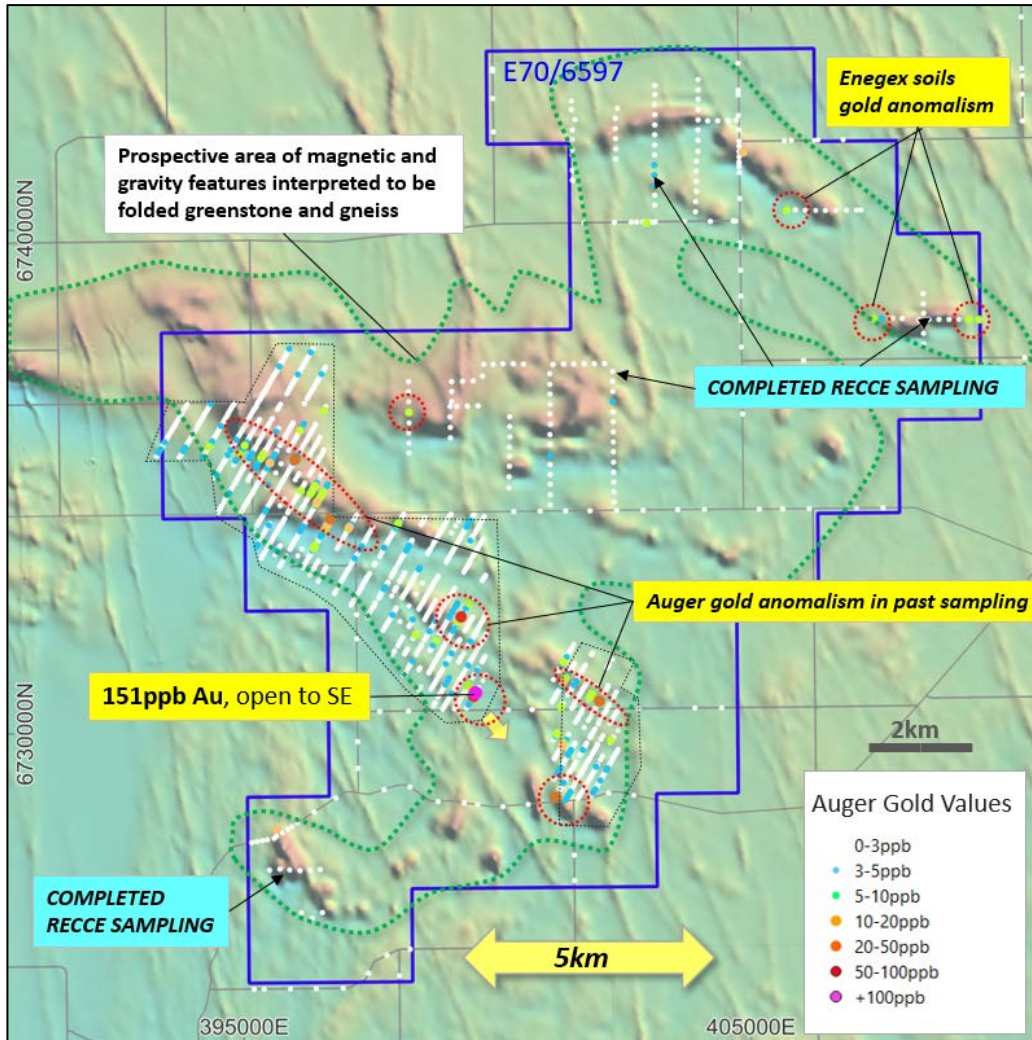
Crop harvesting has recently been completed in the Project area, and the Company has been advancing arrangements to continue field programs, including aircore drill planning and further surface sampling.

The Company will continue to refine the details of its aircore drill program and commence the process of securing a drilling contractor in early 2025 in consultation with freehold landholders.



### Three Springs Project

The Three Springs Project area lies west of the Perenjori Project (**Figure 2**) and covers a series of aeromagnetic features interpreted to represent a folded-faulted greenstone and gneiss terrane (**Figure 5**).



**Figure 5.** Three Springs Project – Exploration licence showing all historical auger sampling and gold anomalism on aeromagnetic image and Enegex 2024 reconnaissance soil/auger sample lines.

A reconnaissance-scale auger soil sampling program was completed in early 2024. Samples were collected at a wide 200m sample spacing along 17 lines at a nominal 800m line spacing. The program was designed as a first pass test of a completely unexplored magnetic terrain.

Anomalous gold results<sup>4</sup> were returned in several locations (**Figure 5**), including at the ends of several lines, with results up to 8.3ppb that are well above the regional anomalous background thresholds (~4ppb Au). The anomalous sample points warrant additional infill and follow-up sampling in this predominantly soil and sand-covered regolith setting.

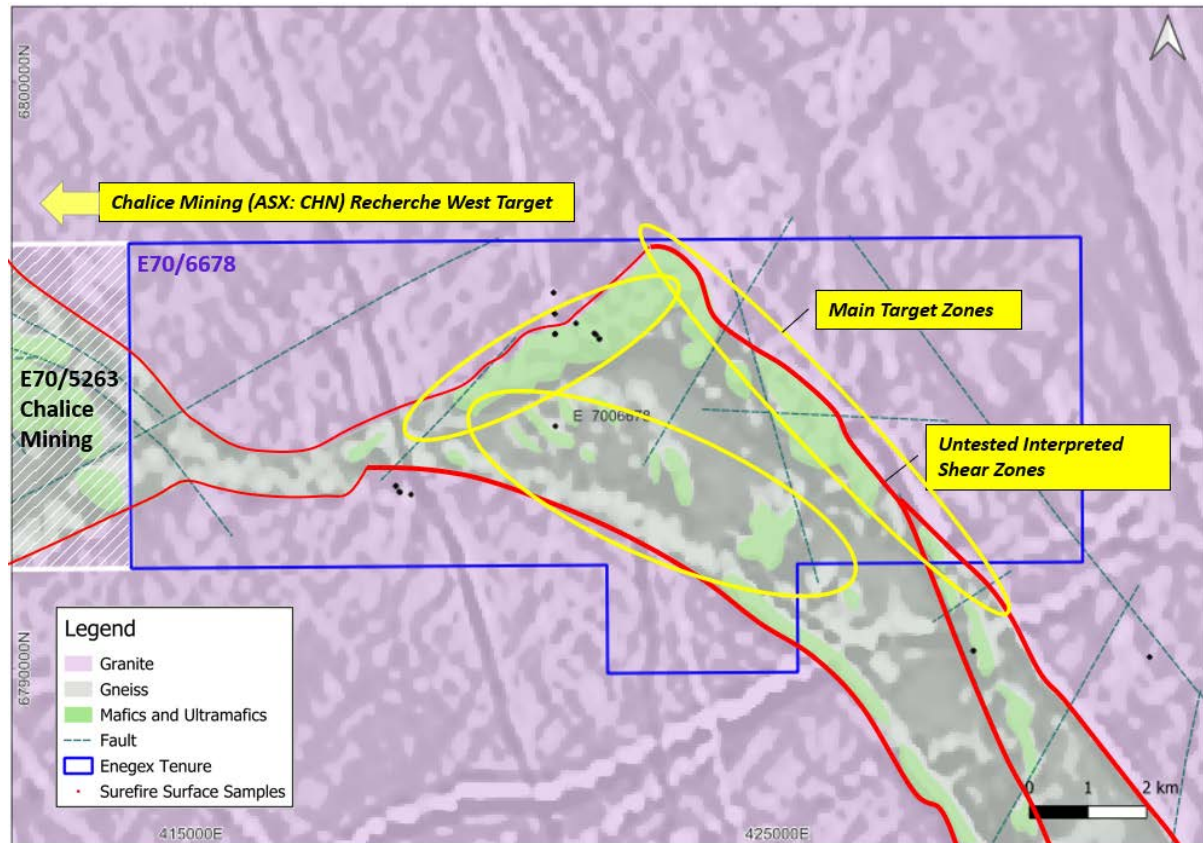
Follow up and extensional auger soil sampling has been designed and will commence in early 2025.

4. Refer to ASX: ENX 18<sup>th</sup> June 2024 “Anomalous Gold Returned at Three Springs”



## Gutha Project

The Company has secured a new 96km<sup>2</sup> exploration license application E70/6678 (**Figure 6**), 25km northeast of Morawa and adjacent the town of Gutha (**Figures 1 and 2**). The Gutha project covers an eastward extension of unexplored greenstone from Chalice Mining's **Recherche West** gold target<sup>1</sup> where an untested 15km long gold in soil geochemical anomaly has been defined.



**Figure 6.** Gutha Project – Exploration licence application showing interpreted geology and Surefire Resources sample locations on an aeromagnetic image.

The project area is largely unexplored for gold and no systematic surface sampling or drilling has been completed. Historically, the tenement area was prospected for diamonds and more recently for base and precious metals. No material anomalism was identified in these programs.

The central part of the tenement is interpreted to be underlain by a northwest granitic intrusive lithology flanked by sheared mafic and ultramafic sediments and fragments of BIF. The interpretation recognised several phases of faulting and numerous intrusives indicating the geological setting is favourable for orogenic style gold mineralisation and warrants reconnaissance style surface sampling.

EnegeX is pleased to report that it has already been granted access to key freehold properties for low impact exploration activities. Planning for reconnaissance exploration soil sampling is in progress and will commence as soon as the tenement is granted.



## **Goomalling Project**

The Company's Goomalling tenure lies on-trend and approximately 10km southeast of Caravel Minerals' Opie Copper Mineral Resource (refer to <https://caravelminerals.com.au>). Mapped geology is dominated by gneiss and meta sediments including banded iron formation, and a late granitic intrusion.

Energex has been assessing an area of weakly elevated copper in soil in the northeastern part of the tenement (Gladius Prospect), that is coincident with prospective magnetic and gravity responses. Minor disseminated sulphides within a gneissic rock have been logged in old water bore drill cuttings near the eastern tenement boundary.

The Gladius area continues to be evaluated ahead of follow-up work.

## **New Project Assessment Strategy**

Energex continues to actively review new advanced and early-stage mineral exploration opportunities that would complement its existing asset base in WA, or elsewhere where the Company sees potential to generate significant shareholder returns. A number of opportunities were considered over the Quarter, and reviews will continue Q1 2024.

The Company will keep refining its current West Yilgarn holdings by applying an active tenement and data monitoring program to identify new opportunities, and relinquishing exploration licences where first-pass results are not suitably encouraging. Strategic licence applications will continue to be made as gold and base metal exploration opportunities arise.

## **Corporate & Financial**

Cash held by the Company and its subsidiaries as at 31 December 2024 was \$1.52M (September Quarter \$1.64M).

## **Previously Reported Exploration Results**

The information in this report that relates to previously reported Exploration Results is in the ASX announcements referenced. The Company is not aware of any new information or data that materially affects the information included in those market announcements.

By Order of the Board

**Nick Castleden**, Director  
31 January 2025





### Additional Information Required by Listing Rules 5.3.3 and 5.4.3

Mining Tenements held/applied for at the end of the quarter and their location.

Tenement	Enegex Interest	Km <sup>2</sup>	Tenement Status
<b>Western Australia (South-West Terrane)</b>			
E70/5580	100%	114.3	Granted
E70/6526	100%	149.1	Granted
E70/6527	100%	181.7	Granted
E70/6591	100%	53.6	Granted
E70/6597	100%	167.1	Granted
E70/6678	100%	96.0	Application

#### Tenements acquired during the quarter and their location

E70/6678 (under application), Western Australia (West Yilgarn).

#### Tenements disposed of during the quarter and their location

E70/5540, E70/5446, E70/5458, E70/5460 and E70/6525, Western Australia (West Yilgarn)

#### Beneficial percentage interests held in farm-in or farm-out agreements at the end of the Quarter:

N/A

### Additional Information Required by Listing Rule 5.3.5

Payments to related parties during the quarter included in Appendix 5B – Quarterly Cash Flow Report:

Payments were made to directors and their associates during the quarter totaling approximately \$6,000 for Directors Fees.



## Appendix 5B

### Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

ENEGEX LIMITED

ABN

28 160 818 986

Quarter ended ("current quarter")

31 December 2024

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (6 months) \$A'000
<b>1.</b>	<b>Cash flows from operating activities</b>		
1.1	Receipts from customers	-	-
1.2	Payments for		
	(a) exploration & evaluation	(24)	(38)
	(b) development		
	(c) production		
	(d) staff costs	-	-
	(e) administration and corporate costs	(25)	(107)
1.3	Dividends received (see note 3)		
1.4	Interest received	7	16
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</b>	<b>Net cash from / (used in) operating activities</b>	<b>(42)</b>	<b>(129)</b>
<b>2.</b>	<b>Cash flows from investing activities</b>		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) exploration & evaluation	(73)	(148)
	(e) investments	-	-
	(f) other non-current assets	-	-



<b>Consolidated statement of cash flows</b>		<b>Current quarter \$A'000</b>	<b>Year to date (6 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</b>	<b>Net cash from / (used in) investing activities</b>	<b>(73)</b>	<b>(148)</b>

<b>3.</b>	<b>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	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
<b>3.10</b>	<b>Net cash from / (used in) financing activities</b>	<b>-</b>	<b>-</b>

<b>4.</b>	<b>Net increase / (decrease) in cash and cash equivalents for the period</b>		
4.1	Cash and cash equivalents at beginning of period	1,639	1,802
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(42)	(129)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(73)	(148)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	-	-



## Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (6 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	Cash and cash equivalents at end of period	1,524	1,524

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	1,524	1,639
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	Cash and cash equivalents at end of quarter (should equal item 4.6 above)	1,524	1,639

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	6
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
<p><i>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.</i></p> <p>6.1 Payment of \$6,000 of director fees.</p>		

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)		
7.4	Total financing facilities	-	-
7.5	Unused financing facilities available at quarter end		-
7.6	<p>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.</p>		



8.	Estimated cash available for future operating activities	\$A'000
8.1	Net cash from / (used in) operating activities (item 1.9)	(42)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(73)
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(115)
8.4	Cash and cash equivalents at quarter end (item 4.6)	1,524
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	1,524
8.7	<b>Estimated quarters of funding available (item 8.6 divided by item 8.3)</b>	13.2
<p><i>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.</i></p>		
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?	
	Answer:.	
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?	
	Answer:	
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?	
	Answer:	
<p><i>Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.</i></p>		

### 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.

23 January 2025

Date: .....

Authorised by: .....

Alex Neuling – Company Secretary

Released with authority of the Board

### 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.



**Mining exploration entity or oil and gas exploration entity quarterly cash flow report**

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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.