



## MARCH 2025 QUARTERLY ACTIVITIES REPORT

Athena Resources Limited (ASX: AHN) (“Athena” or the “Company”) is pleased to report on activities during and subsequent to the quarter ending 31 March 2025 (“March Quarter”).

### HIGHLIGHTS

- Drilling program commenced at the Byro South Prospect with eight Reverse Circulation (RC) drillholes proposed for approximately 1,100m.
- Metallurgical test work program progressed with Magnetite samples processed at Iron Ore Technology Centre (IOTC) sent to FL Smidth’s Laboratory in Brisbane.
- Technology identified with potential to be a new revolutionary process to recover pure iron from Byro ore.
- Entitlement Offer successfully completed raising \$2.67 million.
- Mr Peter Jones appointed Managing Director & CEO.

### Exploration and Development

Work during the March Quarter work focused on progressing the Byro Magnetite Project (“Byro”) and on advancing related metallurgical work:

#### Byro South Exploration Drilling Program Commenced

Athena has engaged NDRC Drilling Pty Ltd to complete an 1,100m, eight-hole RC program at the Byro South Prospect which forms part of the Company’s flagship Byro Magnetite Project in Western Australia. The drilling program will build on the existing exploration database which consists of the previously drilled 22 holes (2,284m of RC and 753.3m of diamond drilling for a total of 3,037.3m). The objective of the program is to further delineate and expand the known magnetite mineralisation within the Byro South Prospect, refining geological interpretations and supporting a maiden Mineral Resource Estimate.

Metallurgical testwork conducted on the previously completed drilling at Byro South Prospect, included Davis Tube Recovery (“DTR”) testwork, Wet Low Intensity Magnetic Separation (“Wet LIMS”), and flotation tests. This testwork was carried out during June and July 2021.

An ore sample with assay head of 31.97% Fe was subjected to wet LIMS which produced a magnetic concentrate assaying 69.71% Fe. This magnetic product was subjected to flotation to remove impurities. Following flotation, the flotation tailings (the magnetic fraction) assayed 70.61% Fe, while the calculated flotation feed grade was 69.36% Fe (compared to the assay value of 69.71% Fe)<sup>1</sup>.

**About Athena Resources:** AHN is an Australian ASX listed explorer and developer of highgrade iron ore assets in Western Australia. The Company is focused on its Byro Project, strategically located in the Mid-West region 410km from the Port of Geraldton. The Byro Iron Ore Project has potential to mine and supply premium grade, low impurity magnetite (>70% Iron Content) for the production of Dense Media Separation material, Green Steel and other Industrial Mineral applications. The Byro Project also contains exciting base metal potential.

**Directors:** John Welborn, Peter Jones, Peter Newcomb, Terry Weston, Garry Plowright • **Company Secretary:** Peter Newcomb • **Athena Resources Limited** ACN 113 758 900



Flotation improved the calculated flotation feed grade by 1.25% Fe, compared to 0.90% Fe for the flotation feed assay grade. This shows the potential to reduce impurities while improving the final grade of Byro South magnetic concentrate.

On average, iron head grades at Byro South are higher than those at Athena's flagship FE1 deposit, demonstrating that Byro South is a significant target for magnetite mineralisation and has potential to complement and support the findings of the Byro Project Scoping Study. The exploration and testwork results will contribute to a greater understanding of the scale and quality of the magnetite mineralisation and its economic potential.

The new drilling samples from the current program will provide an opportunity for further metallurgical testwork including:

- Definitive Liberation testwork, including grind optimisation.
- Davis Tube Recovery testwork of composited samples.



**Figure 1:** NDRC Pty Ltd reverse circulation drilling rig in action at Byro South

### **Metallurgy Studies**

During January and February, a 74kg sample of magnetite feed with an assay grade of 21.4% Fe was prepared at Iron Ore Tech Centre (IOTC). This sample was shipped to FL Smidth's laboratory in Brisbane and is scheduled for testing via the Reflux Classifier during May 2025.





The investigation is aimed at providing a finer/cleaner magnetite concentrate from the Reflux Classifier compared to that recovered from fine screening.

### **New Technology for pure iron recovery**

Athena is investigating a revolutionary new process with the potential to directly recover pure iron from iron ores. The Company has commenced discussions with the owner of the technology for an agreement to conduct test work and outline a pathway to progress to commercialization.

## **Corporate**

The Company successfully completed a fully underwritten one for two renounceable pro rata entitlement offer ("Entitlement Offer") of new fully paid ordinary shares at an issue price of A\$0.004 per share to raise gross proceeds of approximately \$2.67 million. The Entitlement Offer was launched on 2 December 2024 and was completed on 28 January 2025.

During the March Quarter:

- Mr Peter Jones was appointed Managing Director & CEO and commenced with the Company.
- An internal review of the Byro Magnetite Project was commenced.
- Mr Jones presented at the Australian Green Iron and Steel Forum on 27<sup>th</sup> March 2025.

During the March Quarter payments made to related parties totalled \$114,530. These payments relate to director's fees and salary, consultancy fees and company secretarial services.

The Quarterly Appendix 5B Cash Flow Report and details of the Company's Exploration tenements are attached.

This announcement was authorised by the Board of Athena.

Peter Jones  
Managing Director

Email: [peter.jones@athenaresources.com.au](mailto:peter.jones@athenaresources.com.au)

ASX Announcements

21 July 2021 (Note 1)  
28 March 2025

[Completion of further metallurgical test work](#)  
[Commencement of Resource Drilling at Byro South](#)

## INTERESTS IN MINING TENEMENTS

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Athena Resources Limited 100%	Tenement Type
<b>Byro Exploration</b>	E – Exploration License
E09/1507	
E09/1552	
E09/1637	
E09/1781	
E09/1938	
<b>Byro Project Mining</b>	M - Mining Lease
M09/166	
M09/168	
<b>Byro Project Water</b>	
L09/112	L – Miscellaneous Licence

## Appendix 5B

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

Name of entity

**ATHENA RESOURCES LIMITED**

ABN

**69 113 758 900**

Quarter ended ("current quarter")

**31 MARCH 2025**

Consolidated statement of cash flows		Current quarter \$	Year to date (9 months) \$
<b>1.</b>	<b>Cash flows from operating activities</b>		
1.1	Receipts from customers	-	-
1.2	Payments for		
	(a) exploration & evaluation (if expensed)	-	-
	(b) development	-	-
	(c) production	-	-
	(d) staff costs – termination payouts	-	-
	(e) administration and corporate costs	(66,744)	(442,795)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	-	-
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Payment in lieu of notice on termination of service contract	-	(90,000)
<b>1.9</b>	<b>Net cash from / (used in) operating activities</b>	<b>(66,744)</b>	<b>(532,795)</b>
<b>2.</b>	<b>Cash flows from investing activities</b>		
2.1	Payments to acquire:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) exploration & evaluation (if capitalised)	(74,619)	(275,881)
	(e) investments	-	-
	(f) other non-current assets	-	-

<b>Consolidated statement of cash flows</b>		<b>Current quarter \$</b>	<b>Year to date (9 months) \$</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>(74,619)</b>	<b>(275,881)</b>

<b>3.</b>	<b>Cash flows from financing activities</b>		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	1,635,684	3,200,935
3.2	Proceeds from issue of convertible debt securities	-	680,000
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	(177,524)	(177,524)
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	(530,000)
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>1,458,160</b>	<b>3,173,411</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	1,066,880	18,942
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(66,744)	(532,795)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(74,619)	(275,881)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	1,458,160	3,173,411

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

Consolidated statement of cash flows		Current quarter \$	Year to date (9 months) \$
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	<b>Cash and cash equivalents at end of period</b>	<b>2,383,677</b>	<b>2,383,677</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 \$	Previous quarter \$
5.1	Bank balances	2,383,677	1,066,880
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	<b>Cash and cash equivalents at end of quarter (should equal item 4.6 above)</b>	<b>2,383,677</b>	<b>1,066,880</b>

**6. Payments to related parties of the entity and their associates**

- 6.1 Aggregate amount of payments to related parties and their associates included in item 1
- 6.2 Aggregate amount of payments to related parties and their associates included in item 2

Current quarter \$
100,530
14,000

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

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

7. <b>Financing facilities</b> <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>		<b>Total facility amount at quarter end \$</b>	<b>Amount drawn at quarter end \$</b>
7.1	Loan facilities – Convertible Note	470,000	470,000
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	<b>Total financing facilities</b>	470,000	470,000
7.5	<b>Unused financing facilities available at quarter end</b>	-	
7.6	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.		
Balance of Unsecured Convertible Notes after December conversion excluding accrued interest.			
Lender : Fenix Resources Limited			
Interest rate : 8%			
Maturity date : 24 July 2025			

8.	Estimated cash available for future operating activities	\$
8.1	Net cash from / (used in) operating activities (Item 1.9)	66,744
8.2	Capitalised exploration & evaluation (Item 2.1(d))	74,619
8.3	Total relevant outgoings (Item 8.1 + Item 8.2)	141,363
8.4	Cash and cash equivalents at quarter end (Item 4.6)	2,383,677
8.5	Unused finance facilities available at quarter end (Item 7.5)	-
8.6	Total available funding (Item 8.4 + Item 8.5)	2,383,677
8.7	<b>Estimated quarters of funding available (Item 8.6 divided by Item 8.3)</b>	17

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

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:

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:

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:



## **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.

Date: .....30 April 2025.....

Authorised by: .....Peter Newcomb – Executive Director.....

(Name of body or officer authorising release – see note 4)

## **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.