

31 January 2025

DECEMBER 2024 QUARTERLY REPORT

Aurora Energy Metals Limited (**Aurora** or the **Company**) (ASX:1AE) presents its Activities Report for the three months ended 31 December 2024.

Highlights

- Option Agreement executed with Eagle Energy Metals for the sale of the Aurora Uranium Project, providing up to US\$26 million in share consideration and ongoing exposure to project development through a ~40% equity stake in Eagle Energy Metals.
- Transaction received overwhelming shareholder approval at General Meeting in January.
- Significant progress in metallurgical test work pertaining to the Aurora Uranium Project, achieving uranium recovery rates exceeding 85%, up from 69% utilised in the 2024 Scoping Study, with results feeding into further optimisation efforts.
- Secured an Option over WA Uranium Exploration Projects, expanding Aurora's portfolio with tenements containing identified uranium anomalies.
- Appointment of Warren Hallam as a Non-Executive Director, strengthening Aurora's leadership with more than 35 years of mining experience.
- Cash position of \$0.9 million at 31 December 2024 and no debt.
- Post period end, Aurora received a US\$300,000 (~AU\$460,000¹) Option payment from Eagle Energy Metals following receipt of shareholder approval for their option to acquire the AUP.

AURORA URANIUM PROJECT

Eagle Option Agreement

Aurora entered into an Option Agreement with US company Eagle Energy Metals (**Eagle**) for the sale of its flagship Aurora Uranium Project (**AUP** or the **Project**), situated in southern Oregon and northern Nevada, USA.

This transaction represents a significant milestone for Aurora, positioning the Project under US-based leadership and providing exposure to US domestic energy incentives and capital markets (refer ASX release dated 19 November 2024).

Key terms of the agreement include:

- Initial Share Consideration: Aurora will receive US\$16 million (~A\$24.7 million¹) in Eagle Energy Metals shares upon Eagle's successful listing on a US Stock Exchange.
- Milestone Payments: Up to US\$10 million (~A\$15.4 million¹) in additional share consideration, including:
 - US\$5 million (~A\$7.7 million¹) upon conversion of resources to SK1300 Measured & Indicated Resource.

¹ Exchange rate conversions based off 1 AUD = 0.647 USD

- US\$5 million (~A\$7.7 million¹) on completion of a positive Pre-Feasibility Study.
- Option Payments: Aurora will receive an initial US\$300,000 option fee, with extensions available for up to 18 months, totalling an additional US\$700,000.
- Equity Stake: Aurora will retain a ~40% equity interest in Eagle Energy Metals upon its listing, ensuring shareholders benefit from future value uplift.
- Net Smelter Royalty (**NSR**): Aurora will retain a 1% NSR, with Eagle having the option to buy back part or all of the royalty.

Following a shareholder vote on 16 January 2025, more than 99% of shareholders approved the proposed disposal of the AUP under the Option Agreement, satisfying the key condition precedent under ASX Listing Rules 11.2 and 11.4.1. This approval triggered the release of the US\$300,000 (~AU\$460,000¹) Option Payment previously held in escrow.

The option exercise is conditional on Eagle's successful US listing and a capital raising of at least US\$6.8 million (~A\$10.5 million¹). If exercised, the transaction will allow Aurora to leverage US capital markets, where domestic uranium projects are expected to attract higher valuations.

Aurora views this transaction as strategically significant for advancing the AUP. The shift to US-based leadership under Eagle will ensure efficient project development through local expertise, regulatory knowledge and access to domestic energy supply incentives. This is especially critical as the Project progresses toward permitting, feasibility studies and development stages.

By transferring ownership to a US entity, Aurora positions the AUP to benefit from government incentives aimed at fostering domestic critical minerals production. At the same time, Aurora retains material exposure to the Project through its equity stake in Eagle and the retained NSR, ensuring long-term shareholder value.

Metallurgical Test Work

Aurora completed an enhanced metallurgical test work program for the AUP, demonstrating significant recovery improvements compared to the results in the 2024 Scoping Study (refer ASX release dated 16 December 2024).

The test work achieved uranium recoveries exceeding 85% for both the clay (<38 micron) and middlings (38 to 600 micron) fractions using atmospheric leach circuits utilising increased acid additions. Recovery rates reached up to 89%, with acid consumption recorded at 51 kg/t and 133 kg/t for the clay and middlings fractions, respectively. While these acid consumption rates require further optimisation, they represent a notable improvement over the 69% average recovery rate utilised in the 2024 Scoping Study.

These results underscore the potential for significantly improved recoveries, with further optimisation required to assess acid and reagent consumption, and their impact on total processing costs and unit cost per pound. Additional test work is underway to refine acid and reagent levels, ensuring an optimal balance between recovery and cost-efficiency. The outcomes of this ongoing work will inform updated operating and capital cost estimates, which will be incorporated into an Optimised Scoping Study planned for release in 2025.

WA URANIUM EXPLORATION PROJECTS

Aurora entered into an Option Agreement to acquire 100% of Metalbelt Holdings Pty Ltd (**Metalbelt**), which holds a portfolio of granted Exploration Licences (EL) and Applications across Western Australia. This agreement, secured for an Option Fee of \$50,000, provides Aurora with the opportunity to evaluate the exploration targets prior to deciding whether to proceed with the acquisition (refer ASX release dated 19 November 2024).

The tenements were selected based on elevated uranium radiometric responses identified through regional geophysical surveys, highlighting their geological potential. Target areas include:

- **Ucarty, Bulagin and Kondinin Projects:** Located within the Western Australian wheatbelt on private land, these tenements are associated with Tertiary palaeochannels, which have hosted significant uranium deposits within the Yilgarn Block. While radiometric responses identified by airborne surveys are promising, these target areas remain largely untested by drilling.
- **Lake Harvey Project:** Situated on the northern margins of the wheatbelt, this project features a uranium radiometric anomaly along a lake margin, potentially linked to a palaeochannel system.
- **Harris Lake Project:** Located on the southeastern margin of the Yilgarn Block, Harris Lake demonstrates uranium anomalies near mound springs, potentially linked to the terminal junction of Tertiary palaeochannels and sedimentary basins.
- **Mudjalla Project:** Positioned on the southern Fitzroy Trough margin, this project exhibits uranium responses over outcropping sandstones identified in airborne radiometric surveys.

Whilst Aurora acknowledges the current uranium mining ban in Western Australia, the Company recognises the growing global momentum for uranium and the increasing discussions around its role in WA and nationally. These tenements represent a low-risk opportunity for Aurora to assess prospective uranium targets, aligning with its strategy to diversify and expand its exploration portfolio.

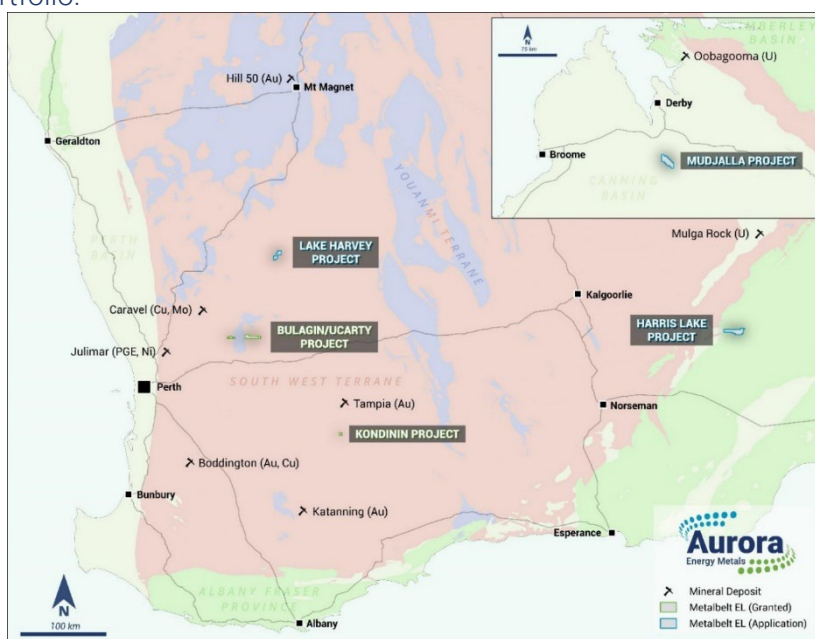


Figure 1: Location of Metalbelt EL and EL Applications.

CORPORATE

Board Update

Aurora appointed Warren Hallam as a Non-Executive Director, effective 1 January 2025. Mr Hallam brings extensive expertise in uranium and critical commodities and has held senior leadership roles in leading ASX-200 resource companies. His addition strengthens the Board at an important time for the Company, with ongoing metallurgical test work pertaining to the AUP and the evaluation of the WA Exploration Permits.

Cash Position

As of 31 December 2024, the Company maintained a cash position of \$0.9 million with no debt. A US\$300,000 (~AU\$480,000) Option Payment was received from Eagle in January, following receipt of shareholder approval for their option to acquire the AUP.

Key Activities Planned for the March 2025 Quarter

- Collaborating with Eagle to advance their listing on a US Stock Exchange and meet the conditions of the Option Agreement for the AUP.
- Conducting further metallurgical test work for the AUP to refine acid and reagent usage, aiming to improve recovery rates and processing efficiency.
- Commencing exploration on the WA Uranium Exploration Tenements, starting with landholder engagement and surface inspections using portable spectrometers to identify priority areas for follow-up work.

ASX ADDITIONAL INFORMATION

1. ASX Listing Rule 5.3.1 – Mining exploration activities and investment activity expenditure during the quarter was \$84,000. Full details of the activity during the quarter are set out in this report.
2. ASX Listing Rule 5.3.2 – Mining production and development activity expenditure for the quarter was nil and there were no substantive mining exploration activities for the quarter.
3. ASX Listing Rule 5.3.3 – Tenement Schedule – Refer to Appendix 1 for details of the Company's tenements as of 31 December 2024.
4. ASX Listing Rule 5.4.5 – Payments to related parties of the Company during the quarter and outlined in the Appendix 5B include \$21,095 for Salaries, Director Fees and Consulting Fees paid to Directors and \$439,439 for investor relations services, a fully provisioned office, and administration and technical staff.

THIS ANNOUNCEMENT HAS BEEN AUTHORISED FOR RELEASE BY THE COMPANY'S BOARD OF DIRECTORS

ABOUT AURORA ENERGY METALS

Aurora Energy Metals is an ASX-listed company focused on the exploration and development of critical mineral assets. Aurora has interests in uranium-focused assets in Australia and the USA, including the Aurora Uranium Project (AUP) in southeast Oregon; the USA's largest mineable, measured and indicated uranium deposit (MRE totals 107.3 Mt @ 214 ppm U₃O₈ for 50.6 Mlb U₃O₈, including a Measured Mineral Resource of 59.5 Mt @ 251 ppm U₃O₈ for 32.9 Mlb U₃O₈, Indicated of 21.4 Mt @ 184 ppm U₃O₈ for 8.7 Mlb U₃O₈ and Inferred of 26.4 Mt @ 157 ppm U₃O₈ for 9.1 Mlb U₃O₈). Aurora maintains a strong interest in the AUP and significant exposure to its future upside, via an option agreement that, if exercised, will result in a substantial interest in a US-based entity with incentives to advance AUP and intending to publicly-list in the near future. Additionally, Aurora is actively exploring prospective assets in Western Australia, which feature elevated uranium anomalies, as part of its commitment to supplying minerals essential to global energy needs.

FOLLOW US ON TWITTER:

www.twitter.com/Aurora_1AE

FOLLOW US ON LINKEDIN:

www.linkedin.com/company/aurora-energy-metals/

CAPITAL STRUCTURE:

Share Price (30/01/25): \$0.057

Market Cap: \$10 million

Shares on Issue: 179 million

COMPANY SECRETARY:

Steven Jackson

SHAREHOLDER CONTACT:

Steven Jackson

Email: info@auroraenergymetals.com

Tel: +61 8 6465 5500

BOARD OF DIRECTORS:

Peter Lester: Non-Executive Chairman

Alasdair Cooke: Non-Executive Director

John Gardner: Non-Executive Director

Warren Hallam: Non-Executive Director

SHAREHOLDERS:

Directors: 15%

Management: 13%

Institutional shareholders: 10%

Balance of Top 20: 14%

Balance of Register: 48%

INVESTOR & MEDIA CONTACT:

Sam Macpherson

VECTOR Advisors

Tel: +61 401 392 925

JORC Disclaimer:

Information in this announcement relating to Exploration Results and Mineral Resources is based on information compiled by Mr. Lauritz Barnes (a consultant to Aurora Energy Metals Limited and a shareholder) who is a member of The Australian Institute of Mining and Metallurgy and The Australian Institute of Geoscientists. Mr. Barnes 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 under the 2012 Edition of the Australasian Code for reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr. Barnes consents to the inclusion of the data in the form and context in which it appears.

Information in this announcement relating to Mineral Resources is extracted from the announcement titled 'Uranium Resource Up 34% to 50.6Mlb, Maiden Measured Resource' released by the ASX on 23 November 2022. Aurora Energy Metals Limited confirms that it is not aware of any new information or data that materially affects the information included in this announcement and that all material assumptions and technical parameters underpinning the Mineral Resource continue to apply and have not materially changed. Aurora Energy Metals Limited confirms that the form and context in which the Competent Persons' findings are presented in this announcement have not been materially modified from the original market announcement.

Previously Reported Information

Information in this announcement is based on the following Aurora Energy Metals Limited Announcements, which are available from the Company's website, www.auroraenergymetals.com.au or the ASX website.

All references to the Scoping Study and its outcomes in this announcement relate to the announcement of 15 May 2024 titled "Aurora Uranium Project Scoping Study". Please refer to that announcement for full details and supporting information.

- 23 November 2022 – 34% Increase in Total Uranium Resource to 50.6 Mlbs Maiden Measured Resource Declared at Aurora Uranium Deposit
- 26 April 2023 – Positive Review of Historical Uranium Testwork
- 29 August 2023 – Scoping Study Metallurgical Testwork Program Underway
- 13 December 2023 – Aurora Uranium Project Scoping Study Update
- 15 May 2024 – Aurora Uranium Project Scoping Study
- 16 December 2024 - Aurora Uranium Project Recovery Improvements

APPENDIX 1 – TENEMENTS (AS OF 31 DECEMBER 2024)

Project Name	Location	Claim Name	Interest at 30 September 2024	Interest at 31 December 2024
AEMP	Oregon, USA	AURORA 11-60	100%	100%
AEMP	Oregon, USA	AURORA 62-64	100%	100%
AEMP	Oregon, USA	AURORA 69-78	100%	100%
AEMP	Oregon, USA	AURORA 82-87	100%	100%
AEMP	Oregon, USA	AURORA 97-108	100%	100%
AEMP	Oregon, USA	AURORA 117-125	100%	100%
AEMP	Oregon, USA	AURORA 134-145	100%	100%
AEMP	Oregon, USA	AURORA 236	100%	100%
AEMP	Oregon, USA	AURORA 238	100%	100%
AEMP	Oregon, USA	AURORA 240	100%	100%
AEMP	Oregon, USA	AURORA 242	100%	100%
AEMP	Oregon, USA	AURORA 244	100%	100%
AEMP	Oregon, USA	AURORA 246	100%	100%
AEMP	Oregon, USA	AURORA 248	100%	100%
AEMP	Oregon, USA	AURORA 250	100%	100%
AEMP	Oregon, USA	CROTALUS CREEK 7-9	100%	100%
AEMP	Oregon, USA	CROTALUS CREEK 23	100%	100%
AEMP	Oregon, USA	CROTALUS CREEK 25	100%	100%
AEMP	Oregon, USA	CROTALUS CREEK 27	100%	100%
AEMP	Oregon, USA	CALD 01-91	100%	100%
AEMP	Oregon, USA	JH 01-71	100%	100%
AEMP	Nevada, USA	JH 72-102	100%	100%
AEMP	Nevada, USA	KB 01-56	100%	100%

Appendix 5B

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

Name of entity

Aurora Energy Metals Limited

ABN

87 604 406 377

Quarter ended ("current quarter")

31 December 2024

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (6 months) \$A'000
1.	Cash flows from operating activities		
1.1	Receipts from customers	-	-
1.2	Payments for		
	(a) exploration & evaluation	(34)	(254)
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	(83)	(173)
	(e) administration and corporate costs	(103)	(225)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	4	12
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)	-	-
1.9	Net cash from / (used in) operating activities	(217)	(641)
2.	Cash flows from investing activities		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) exploration & evaluation	(50)	(50)
	(e) investments	-	-
	(f) other non-current assets	-	-

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (6 months) \$A'000
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)	-	-
2.6	Net cash from / (used in) investing activities	(50)	(50)

3.	Cash flows from financing activities		
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)	-	-
3.10	Net cash from / (used in) financing activities	-	-

4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	1,170	1,595
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(217)	(641)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(50)	(50)

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (6 months) \$A'000
4.4	Net cash from / (used in) financing activities (item 3.10 above)	-	-
4.5	Effect of movement in exchange rates on cash held	2	2
4.6	Cash and cash equivalents at end of period	906	906

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	606	620
5.2	Call deposits	300	550
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)	906	1,170

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	61
6.2	Aggregate amount of payments to related parties and their associates included in item 2	
<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>		

7.	Financing facilities <i>Note: the term "facility" includes all forms of financing arrangements available to the entity.</i> <i>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	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.		
	n/a		

8.	Estimated cash available for future operating activities	\$A'000
8.1	Net cash from / (used in) operating activities (item 1.9)	(217)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	(50)
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(267)
8.4	Cash and cash equivalents at quarter end (item 4.6)	906
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	906
8.7	Estimated quarters of funding available (item 8.6 divided by item 8.3)	3.4
	<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>	
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: 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?	
	Answer: 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?

Answer: n/a

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.

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: 31 January 2025

Authorised by: Steven Jackson, Company Secretary
(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.