

## ASX ANNOUNCEMENT AND MEDIA RELEASE

22 December 2025

# NOTIFICATION OF EXPIRY OF LISTED OPTIONS – AMENDED

Lithium Universe Limited (“**Lithium Universe**”, the “**Company**” or ASX: “**LU7**”) advises 290,936,892 listed options, exercisable at \$0.03 (ASX: LU7O) (**Options**) will expire at 5.00pm (AEDT) on 12 January 2026 (**Expiry Date**) unless exercised.

The Company notes that the Options are substantially “out of the money”. The Company will not be dispatching personalised notices to option holders in accordance with Item 5.3 of Appendix 6A to the Listing Rules.

Pursuant to Item 5.2 of Appendix 6A, the Company provides the following information to holders of the Options:

- the total number of Options on issue is 290,936,892;
- the number of fully paid ordinary shares (**Shares**) in the Company to be issued on the exercise of the Options is 290,936,892;
- the exercise price for each Option is \$0.03;
- the due date for payment of the exercise price (in cleared funds) is the Expiry Date;
- if payment in cleared funds is not received by the Expiry Date, the Options will expire unexercised and all rights attaching to the Options will cease;
- official quotation of the Options on ASX will cease at close of trading on Tuesday, 6 January 2026, being four business days before the Expiry Date;
- the market price of the Company’s Shares at the close of trading on 5 December 2025 was \$0.012 being the latest available market price of Shares on ASX prior to this announcement;
- during the six months preceding the date of this announcement, the highest market price of the Company’s Shares on ASX was \$0.020 on 16 October 2025 and the lowest market price was \$0.004 on 3 July 2025; and
- as at the date of this announcement, there are no underwriting agreements in relation to the Options.

If the market price of the Company’s Shares exceeds \$0.015 before the Expiry Date, the Company will immediately send an option expiry notice to holders of the Options.

-End-

Authorised by the Chairman of Lithium Universe Limited



### **Lithium Universe Interactive Investor Hub**

Engage with Lithium Universe directly by asking questions, watching video summaries and seeing what other shareholders have to say about this, as well as past announcements, at our Investor Hub <https://investorhub.lithiumuniverse.com/>

#### **For Information:**

##### **Iggy Tan**

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Lithium Universe Limited

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#### **Forward-looking Statements**

This announcement contains forward-looking statements which are identified by words such as 'anticipates', 'forecasts', 'may', 'will', 'could', 'believes', 'estimates', 'targets', 'expects', 'plan' or 'intends' and other similar words that involve risks and uncertainties. Indications of, and guidelines or outlook on, future earnings, distributions or financial position or performance and targets, estimates and assumptions in respect of production, prices, operating costs, results, capital expenditures, reserves and are also forward-looking statements. These statements are based on an assessment of present economic and operating conditions, and on a number of assumptions and estimates regarding future events and actions that, while considered reasonable as of the date of this announcement and are expected to take place, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies. Such forward-looking statements are not guarantees of future performance and involve known and unknown risks, uncertainties, assumptions and other important factors, many of which are beyond the control of our Company, the Directors, and management. We cannot and do not give any assurance that the results, performance or achievements expressed or implied by the forward-looking statements contained in this announcement will occur and readers are cautioned not to place undue reliance on these forward-looking statements. These forward-looking statements are subject to various risk factors that could cause actual events or results to differ materially from the events or results estimated, expressed, or anticipated in these statements.

## ABOUT LITHIUM UNIVERSE LIMITED

Lithium Universe Limited (ASX: LU7) ("Lithium Universe" or "the Company") is a forward-thinking company on a mission to close the "Lithium Conversion Gap" in North America and revolutionize the photovoltaic (PV) solar panel recycling sector.

### **SILVER EXTRACTION - PV SOLAR PANEL RECYCLING STRATEGY**

As the global demand for solar energy expands, solar panel waste is projected to reach 60–78 million tonnes by 2050, making efficient recycling solutions critical. Silver is essential for solar panels, electronics, and electric vehicles due to its unmatched electrical conductivity. Industrial demand has surged, especially from photovoltaics and AI technologies, creating a global supply deficit. With production lagging, silver prices have soared to record highs above US \$50 per ounce, reinforcing the economic importance of efficient recycling.

Lithium Universe has responded by acquiring Macquarie University's Microwave Joule Heating Technology (MJHT) and Jet Electrochemical Silver Extraction (JESE) method, a breakthrough in recovering valuable metals from end-of-life PV panels. The first stage, developed by Macquarie University, is Microwave Joule Heating Technology (MJHT), a process that uses microwave energy to selectively heat silicon cells softening the ethylene vinyl acetate (EVA) encapsulant that binds a solar panel's layers. This enables room-temperature delamination of glass, silicon, and metal layers without crushing, furnaces, or toxic chemicals. The result is a clean separation of materials, drastically reducing energy use, emissions, and chemical waste while preserving the integrity of high-value silicon and silver components. Following delamination, Lithium Universe applies its Jet Electrochemical Silver Extraction (JESE) process, a micro-jet electrochemical system that directs a fine stream of dilute nitric electrolyte onto the silver pads of solar cells. This method achieves over 95% silver recovery at 96% purity, while using 83% less acid and no chemical additives. The process operates at just 5 volts, recycles its electrolyte, and produces zero heavy-metal waste, establishing a true closed-loop recycling system. Together, MJHT and JESE form a sustainable, scalable recycling platform that converts discarded solar panels into a renewable source of silver, silicon, and other critical materials, a vital step toward circularity in the global clean-energy supply chain.

### **LITHIUM DIVISION**

#### **Lithium Strategy: Closing the Lithium Conversion Gap**

Lithium Universe is at the forefront of efforts to meet the growing demand for lithium in North America. As electric vehicle (EV) battery manufacturers prepare to deploy an estimated 1,000 GW of battery capacity by 2028, the need for lithium is expected to rise dramatically. However, with only a fraction of the required lithium conversion capacity in North America, LU7 is determined to play a pivotal role in reducing dependence on foreign supply chains. The company is building a green, battery-grade lithium carbonate refinery in Bécancour, Québec, leveraging the proven technology developed at the Jiangsu Lithium Carbonate Plant. This refinery will produce up to 18,270 tonnes per year of lithium carbonate, focusing initially on the production of lithium carbonate for lithium iron phosphate (LFP) batteries. The refinery's smaller, off-the-shelf plant model ensures efficient operations and timely implementation, positioning LU7 as a key player in the emerging North American lithium market. With a strong leadership team, including industry pioneers like Chairman Iggy Tan, LU7 is well-positioned to deliver this transformative project. The company's strategy is counter-cyclical, designed to build through the market downturn and benefit from the inevitable recovery, ensuring sustained exposure to the growing lithium demand.

#### **Second Refinery Strategy**

Lithium Universe Limited has launched a second lithium refinery strategy in Brownsville, Texas, complementing its flagship Bécancour project in Québec. The initiative creates a binational refining platform to address North America's lithium conversion shortage and strengthen supply chain resilience. Strategically located near the Port of Brownsville, the site offers deep-water access, low labour costs, and streamlined permitting within one of the U.S.'s most business-friendly regions. Leveraging a "copy and paste" design from the proven Bécancour refinery, the Texas project can be rapidly deployed to serve nearby gigafactories, aligning with U.S. policy incentives under the Inflation Reduction Act.