

MOU with Energy-Cycle for Fire-safe Battery Collection Infrastructure

Highlights

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- **Envirostream signs a non-binding MOU with Energy-Cycle Pty Ltd to develop enhanced fire protection systems for battery collection units and storage pallets**
- **The project targets manufacturing-ready prototypes for enhanced battery collection infrastructure to maintain adherence to safety requirements, including NSW's new mandatory battery stewardship regime¹**
- **Battery-related fires are estimated at 10,000–12,000 a year across Australia's waste and recycling streams²**
- **Energy-Cycle has applied for project funding under the NSW Clean Technology Innovation Grant**
- **The MOU provides for Envirostream to receive a non-exclusive, royalty-bearing licence to Energy-Cycle's core technology, with detailed terms to be negotiated following grant approval**

Livium Ltd (ASX: LIT) ("Livium" or the "Company") is pleased to announce that its wholly owned subsidiary, Envirostream Australia Pty Ltd (**Envirostream**), has signed a non-binding Memorandum of Understanding (**MOU**) with Energy-Cycle Pty Ltd (**Energy-Cycle**) to collaborate on fire protection and thermal runaway mitigation systems for lithium-ion battery collection and storage infrastructure (**Project**).

The Project will integrate Energy-Cycle's dual-mechanism fire protection system, which combines a gel thermal barrier with aerosol suppression, into Envirostream's collection and storage products. It comprises three workstreams:

- **Collection units:** an enhanced collection unit design, including a redesigned dangerous goods carton, developed to a manufacturing-ready prototype
- **Storage pallets:** an enhanced storage pallet design, developed to a manufacturing-ready prototype
- **Product family pathway:** a roadmap for extending the fire protection system across Envirostream's collection and storage range, together with a regulatory compliance strategy

Under the terms of the MOU, Energy-Cycle will lead technical design, prototyping, and testing, and Envirostream will provide product specifications and access to existing products, and support design validation, field testing, and pilot deployment. The MOU is non-binding other than in relation to intellectual property and confidentiality.

Livium CEO and Managing Director, Simon Linge commented "Safe collection infrastructure is a practical requirement for the battery recycling industry as volumes grow. Envirostream already incorporates safety controls across battery collection and storage. The collaboration with Energy-Cycle seeks to further enhance fire protection at the point batteries enter the recycling chain. This is particularly relevant following the commencement of NSW's mandatory stewardship regime, which places greater emphasis on the safety of collection infrastructure."

Funding and Commercialisation Pathway

Energy-Cycle is responsible for securing and managing all grant funding and co-contributions. A grant application has been submitted with anticipated assessment during October–November 2026, subject to the NSW grant process. If approved, the 15-month Project is expected to commence in January 2027.

The MOU provides for Envirostream to receive a non-exclusive, royalty-bearing licence to Energy-Cycle's core IP for use within Envirostream products and services, with detailed licence terms to be negotiated following grant approval. There is no certainty that a definitive agreement will be reached.

¹ Refer announcement "NSW Mandatory Battery Stewardship Scheme Supports Collection Tailwinds", dated 6 October 2026.

² Australian Council of Recycling and Waste Contractors & Recyclers Association of NSW, industry research, June 2024.

Fire Safety and Collection Infrastructure

Battery-related fires are an increasing operational and insurance risk across Australia's waste and recycling sector, increasing the importance of safer collection and storage infrastructure.

Batteries placed in household bins are estimated to cause 10,000–12,000 fires each year across Australia's waste and recycling streams – around 30 a day – while industry research found these incidents have increased costs for waste and recycling businesses by an average of \$400,000 per annum.

The Project therefore addresses a practical industry need as well as the new regulatory requirements under NSW's mandatory battery stewardship regime, which commenced on 1 October 2026, and includes design and safety requirements for battery collection receptacles. The Project is intended to develop and validate enhanced Envirostream collection and storage products against those requirements, with regulatory compliance documentation and PSO validation included as project deliverables.

Livium will update the market on the grant outcome and any definitive agreement in accordance with its continuous disclosure obligations.

Authorised for release by the Managing Director and CEO.

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About Livium

Livium Ltd (ASX: LIT) is Australia's leading battery recycler through its wholly owned subsidiary Envirostream — a profitable business focused on the recovery of valuable materials from end-of-life batteries.

Building on this foundation, Livium is expanding into adjacent opportunities including recycling of rare earth elements and solar panels, and the processing of black mass — strengthening Australia's clean-energy supply chain.

About Energy-Cycle

Energy-Cycle Pty Ltd is an Australian company developing fire protection and thermal runaway mitigation solutions for lithium-ion battery applications.

Forward-looking statements

This announcement contains forward-looking statements. Forward-looking statements are subject to a variety of risks and uncertainties that it is beyond the Company's ability to control or predict and which could cause actual events or results to differ materially from those anticipated in such forward-looking statements. Investors should be aware that past performance should not be relied upon as being indicative of future performance.