



# Proposed Lithium Battery Recycling Facility Development Fact Sheet

## About the development

Renewable Metals Pty Ltd proposes to build an advanced lithium battery recycling facility in several industrial buildings next to the Bayswater Power Station, Muswellbrook, NSW 2333.

As part of the development, several industrial buildings are proposed, which will house the lithium battery recycling plant and equipment. The overall design capacity of the plant will be 15,000 tonnes per annum. This will be the first lithium battery recycling facility in NSW.

The industrial buildings will include areas for the battery recycling facility, product storage areas, staff parking, concrete hard stand loading bay areas and hardstand areas to allow for truck movements.

The industrial building design will include:

- Separate areas for the different stages of the battery recycling process;
- Two product storage areas, one for received batteries, one for recovered materials;
- Full on-site parking spaces for staff visitors;
- Outdoor hardstand areas along the perimeter of each warehouse to allow for truck movements;
- Fire suppression systems;
- Three concrete hardstand loading bay areas;
- Offices; and
- Staff amenities.

## Current status of the project

Renewable Metals is seeking early feedback from the community on the proposed development prior to completion of the feasibility study.

Additional community feedback will be sought prior to lodgment of the development application.

## Why is the development proposed?

The site is located in the Upper Hunter Region in an area declared suitable for industrial development of this kind.

The development aims to provide much needed recycling capabilities for end-of-life lithium batteries within NSW.

The use of lithium batteries is steadily increasing, meaning facilities capable of recycling these batteries need to be constructed to sustainably manage the batteries at the end of their life.

## Will neighbours be affected?

The site is located 10.3km away from the nearest residential development. There are no impacts expected to occur to residents or neighbours. A negligible increase in traffic is expected to occur along New England Highway to service the facility.

For material deliveries, trucks will arrive from a westbound direction on the New England Highway and merge onto a private road that leads to the Bayswater Power Station.

Trucks collecting recovered materials from the site will exit from a private road onto the New England Highway in an eastbound direction. No travel through nearby townships will occur.

A transport and traffic study is being performed to ensure the development does not negatively impact surrounding businesses, residents or the local road network.

No impacts on residential dwellings are expected, as they are located more than 10.3km from the north-western boundary of the development.

A detailed environmental assessment is being prepared to evaluate in detail how the proposed development can be designed to minimise impacts on biodiversity, heritage, noise, traffic and access, soils, water, hazards, fire safety, waste and visual amenity.

## How will the project benefit the local community?

The development will assist in creating jobs and boosting economic growth within the Upper Hunter Region.

## Who is assessing the application?

The consent authority for the development will be the NSW Minister of Planning.



## How will the local environment be protected?

The design of the development proposes several sustainability initiatives to protect the local environment. These are:

- » Recycling of lithium batteries means less waste in the environment. The recovered materials from the lithium battery recycling process can be used to create new lithium batteries, reducing the need for new materials, further protecting the environment;
- » Concrete hardstand with spill containment bunding to be used for the loading bay and all operational areas to avoid contamination of stormwater or underlying soils;
- » Water treatment plant on-site to allow for all water to be recycled within the battery recycling process, reducing the risk of metals contaminating the environment;
- » Containment building allowing safe transport of lithium batteries without the environment being exposed to hazardous materials;
- » Advanced heat and fire detection systems to detect hot spots and reduce the risk of fires within leads of incoming batteries received for recycling;
- » Advanced fire suppression systems;
- » On-site treatment systems for sewage from staff amenities;
- » Water sensitive urban design features, including rainwater harvesting and use in the battery recycling process, as well as treatment and reuse of stormwater from all external hardstand areas for irrigation on landscaping;
- » Solar panel array on the roof of the building and on-site battery storage to supply green electricity for operations; and
- » Neutral colour to the building to blend in with the surrounding environment.

## What will the building look like?

The design and materials used in the construction of buildings will be carefully selected to blend in with the surroundings seamlessly.

The buildings will blend in with Bayswater Power Station. The construction of the buildings will be aligned to the local environment and the landscaping will add value to the area.

The buildings will not be visible from the New England Highway.

## How Can I Provide Feedback?

You can provide your feedback about the proposed development by contacting Jackson Environment and Planning Pty Ltd



[admin@jacksonenvironment.com.au](mailto:admin@jacksonenvironment.com.au)



02 8056 1849

We greatly appreciate your feedback on this project which will benefit both the environment and the local economy.

## Want More Information?

More information is available from the Jackson Environment and Planning Pty Ltd web site.

<http://www.jacksonenvironment.com.au>.



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