



www.BigBatteryRescue.com

With over 400 million batteries being used throughout Australia every year, less than 12% are recycled. This means that most are being dumped into landfill where batteries can leak and release a range of toxic substances, including lead, mercury and cadmium, into the environment.

As part of **The Big Battery Rescue** with our partner **Stockland, The National Theatre for Children** has contracted accredited battery recycler, **Ecobatt**, in order to safely collect and recycle your school batteries. **Ecobatt** are accredited, audited and approved for safe collection and recycling of battery products.

The battery collection process is now part of **B-cycle** – Australia's nationwide, government-backed battery stewardship scheme.

A quick three step guide to the Recycling Process:

1. Email or call **NTC** when your wheelie bin is $\frac{3}{4}$ full, and we will organise collection
2. Please remember to empty your small classroom buckets into the wheelie bin
3. If you have any car batteries to collect, please let us know in advance and send through a photo – we need to make sure Ecobatt has enough room in the truck

Preparing for the Battery Recycling Buckets

These are lightweight, easy to manage, and made of special material to ensure safe storage.

We will supply your school with:

- 1 x 2 litre bucket for each individual classroom. The number of 2L buckets for your school is based upon the total number of classrooms at your school. Please make sure you have provided us with the correct number for the start of program drop-off at your school.
- 1 x 120 litre recycling bin (wheelie bin). This is the only bin which will actually be collected through the year by our accredited battery recycler. You can place this outside with your regular bins, or in any other convenient location around the school.



What type of batteries do we recycle?

Our partner **Ecobatt** recycles all types of batteries: Industrial, Automotive & Portable.

The company has already invested over six million dollars in collection bins, cabinets and containers that will ensure safe collection of all types of batteries, including household, power tool, farm and storage batteries, as well as phone, computer batteries, and button cells. Batteries from electric and hybrid cars, e-bikes, buses and trucks can all be collected to ensure the highest standards of safety and efficiency.

You can find more information on their website: <https://www.ecobatt.net/>

- Alkaline
- Button cells



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- Lead Batteries
- Lithium Ion
- Nickel cadmium
- Nickel metal hydride
- Zinc Air
- Zinc Carbon

Can we recycle car/truck/boat batteries?

Yes we can! Please let us know in advance of collection if you have any large batteries of this kind and send through a photo, so we can advise **Ecobatt** – they need to ensure they have enough space in their truck.

What happens to the collected Batteries?

After collection the batteries are moved to **Ecobatt** depots around the country where they are consolidated into deliveries for supply to **Ecobatt's** automated sorting plant in Melbourne.

After automated sorting, the recycling process recovers metals like copper, aluminium and steel have many and varied uses, as well as strong recycling attributes. Many of the recovered metals from batteries are used as raw material inputs for steel castings. Steel castings are used in a variety of end-use applications, particularly those that require heavy-duty components. The castings are used in railroad cars, pumps and valves, heavy trucks, construction and mining equipment, and power generation equipment.

Recycled materials such as Manganese, Zinc, Lithium, Cobalt, and Nickel are in high demand and suit a variety of applications. Some of these materials find their way into the fertilizer and chemical industries.

Recycling Lithium-ion batteries is becoming a more important initiative with the increasing usage of mobile phones, laptops and wireless technology meaning that efficiently recycling of lithium-ion is critical.

Recycling lithium-ion batteries solves a number of problems we face in Australia, especially as we become more and more dependent on these rechargeable batteries.

Recycling keeps old lithium-ion batteries out of landfill, preventing cobalt, lithium and other materials from entering the environment.

It also helps us recover these resources, so that we can reuse them in future batteries and other products. Recycling provides the ability to extract from batteries lithium compounds and other metals such as cobalt or nickel. Recycling also produced the recycled lithium compound: lithium carbonate, which can be used to make more batteries.

Recycling of battery-powered devices is now acknowledged as a major lever in the transition away from fossil-fuel energy.

According to a 2018 CSIRO report, the Australian economy could waste between \$813 million and \$3 billion worth of recoverable materials over the next 16 years if we don't improve our lithium battery recycling efforts.



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Benefits of Recycling

- Reduction in waste sent to landfill
- Conservation of natural and non-renewable resources, such as metals and minerals
- Helps prevent pollution by reducing the need to collect new, raw materials
- Help sustain the environment for future generations
- The recycled materials can be reused to make new products

How often do we collect the batteries from your school?

We will attend your school when your 120L wheelie bin is approximately $\frac{3}{4}$ full. Please email or call NTC to notify us (at 1300 652 470 or schools@nationaltheatre.com.au).

We will provide you with an approximate time frame, and the driver will come to the office for a signature. They will then collect from your 120L wheelie bin, and weigh your batteries – from which we will use the verified weights to update the School Challenge Leaderboard!

Please ensure all batteries from your classroom buckets have been emptied into the wheelie bin before your collection date. It is essential to inform us of any car batteries, and send through a photo.

Any other questions/enquiries regarding your battery collection service

Please contact **The National Theatre for Children** if you have any queries/questions regarding your battery collection or about the program. We will then pass on any instructions and communication to **Ecobatt**. You can reach us at 1300 652 470, or schools@nationaltheatre.com.au

Ecobatt specializes in the safe collection, processing and recycling of battery products to protect our environment, now, and for future generations. It is the pre-eminent battery recycling company in Australia. With a meticulous approach to safety and professionalism the company has invested in a state-of-the-art facility at Campbellfield, which is modelled on proven world-class battery recycling technology.

Wastes recycled at our EPA Licensed Premises – EPA license No. 10499; Mercury bearing wastes including lighting waste. Batteries (Alkaline, Lithium, NiCad, NiMH, Button Cell) sorted and recycled. E-Waste including Flat Panel Displays in our Robotic processing plant. This ensures the best outcomes for the environment and cleanest by-products.