

B-cycle

A CIRCULAR
ECONOMY FOR
BATTERIES

Introduction to the Battery Stewardship Scheme for the Australian Toy Association

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Agenda



1. The problem & the opportunity
2. Introduce you to the B-cycle community
3. The Pathway Forward
4. Next steps

**Batteries present a
very real problem...**



Hazardous



Toxic



Corrosive



Flammable



Recyclable



Finite



Essential for
future energy
security



The problem & the opportunity

... and the used
battery stream is
a problem right
now.

- Increasing fires in waste & general recycling trucks, & material transfer stations.
- One of the major waste collection companies reported 15 fires in July 2021 alone that were confirmed to have been started by a battery.

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Council





World bank 2020 “Minerals for Climate Action” Report.

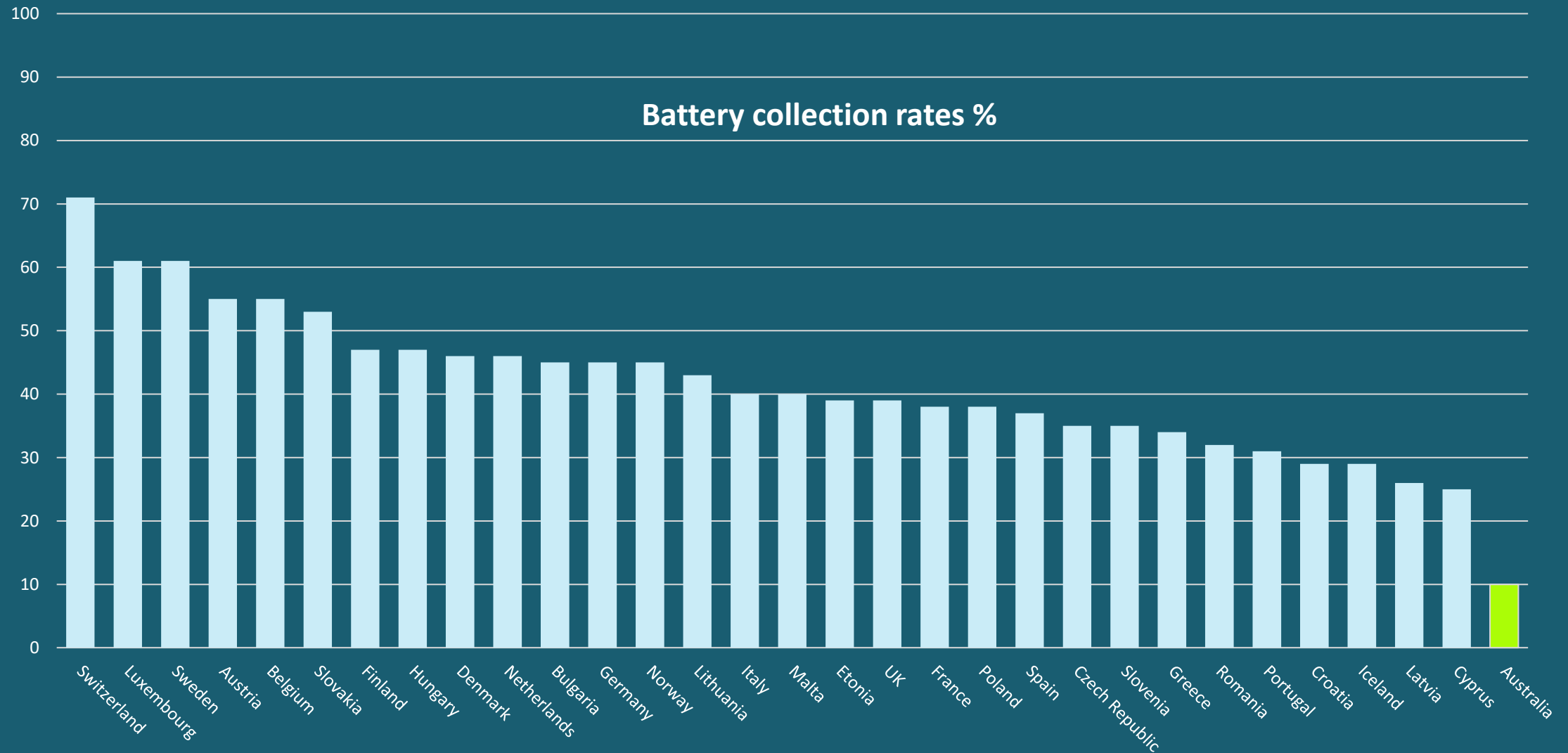
Predicts battery metal demand to jump by **500% by 2050**.

Growth required means even if recycling rates were to reach 100% still **not be enough** copper, aluminium and other metals **to meet demand for battery metals**.

The problem & the opportunity

Battery metals are essential for a renewable future and are in limited supply...

... but Australia lags behind.



The B-cycle community

Delivering a stewardship framework for used batteries is critical.

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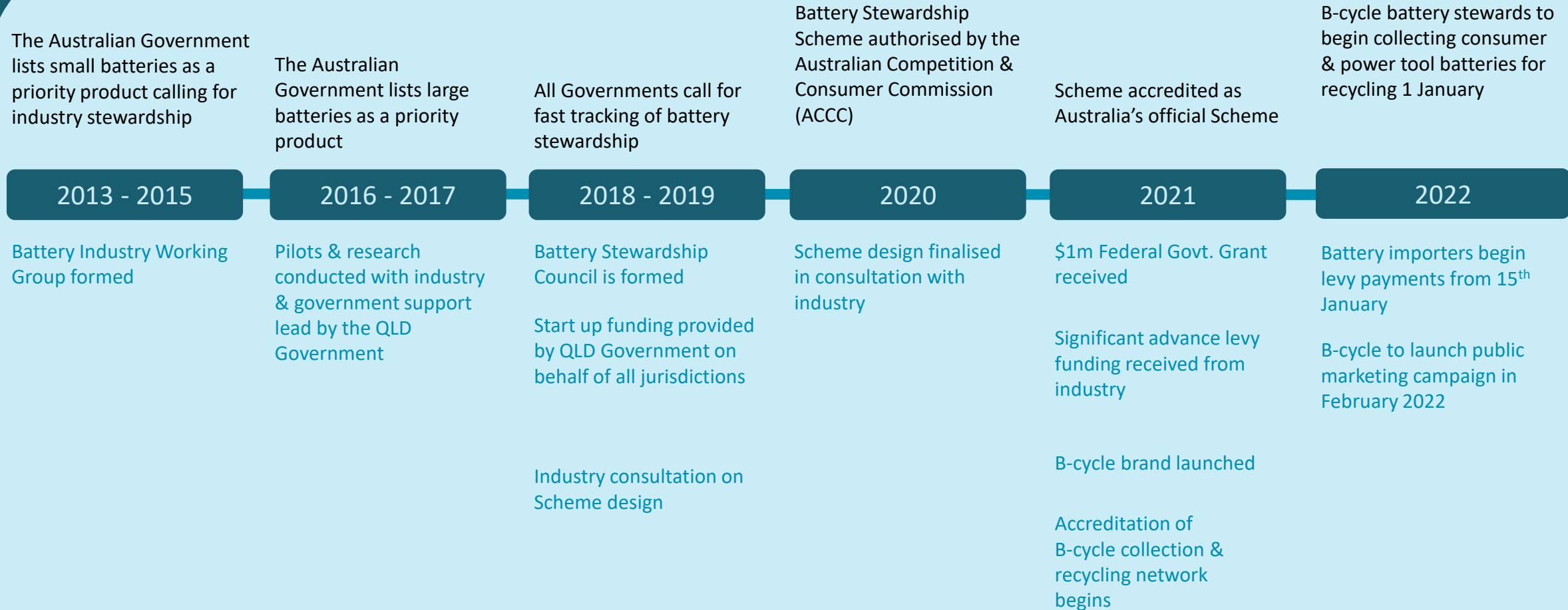
B-cycle is **more** than just a take-back or recycling program.

B-cycle is Australia's **official** battery stewardship scheme -authorised by the ACCC & accredited by the Australian Government.

BSC is a not for profit established to bring industry players from across the **whole value chain** to address Battery Stewardship.

B-cycle accredits participants enabling **independent verification** that Scheme outcomes are achieved in a safe and responsible manner.

Roadmap so far



Members

The B-cycle community



Members

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Essential features of the Scheme Design

Authorisation is granted for participants to conduct what could be considered anti-competitive behaviour if there is a public benefit.



Levy on imports



Purchasing preference for
Battery Stewards



Rebates for the collection &
recycling network



Accreditation for safety &
transparency

How it works:

1

Battery importers pay a levy, which is:

- + Voluntary, self-reported, & independently verified
- + Initially set at 2c/24g Equivalent Battery Unit (EBU)
- + Capped at 4c/EBU



2

Retailers sell B-cycle accredited battery brands.

The import levy is communicated & included in the battery price.



3

Used batteries are deposited at B-cycle drop-off points.

Drop-off points are set up at retailers, schools & organisations across Australia.



Participants earn rebates collecting, sorting & recycling used batteries.

- + Metro collection rebate: \$2.50/kg
- + Regional collection rebate: \$3.50/kg
- + Sorting rebate: \$1/kg
- + Processing rebate: \$1/kg

4



5

Recovered materials make new batteries and other products.

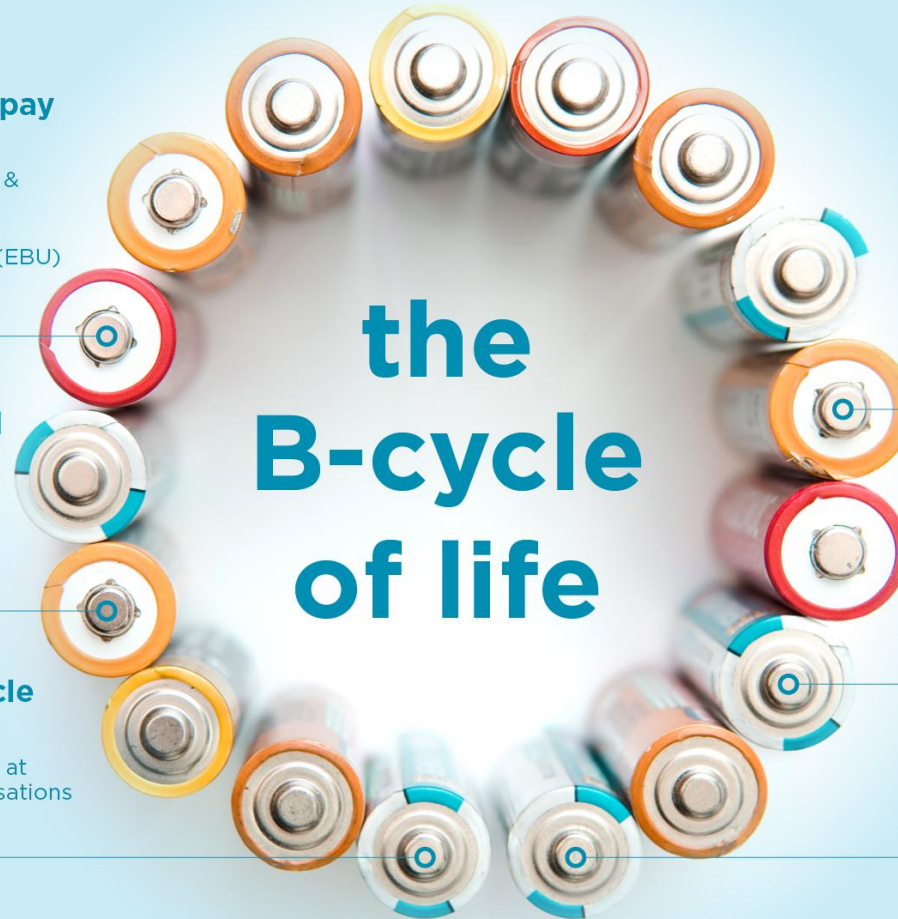


6

Earth's finite resources are conserved.



the
B-cycle
of life



Category	Loose Batteries	Proprietary Batteries imported with Product	Loose Batteries imported with Product	Large Batteries	Embedded Batteries
Definition	Batteries imported without a product.	Proprietary Batteries imported with a product that can be removed by the consumer and are specifically designed for that product.	Loose Batteries imported with a product easily removed by the consumer but not specifically designed for that product.	Energy storage systems and electric vehicle batteries.	Batteries imported within a product that cannot be removed by a consumer..
Examples	AA, AAA, C, D Alkaline, Lithium, etc.	Digital camera, Drones, e-bikes, power tools, e-skateboard, cordless phone etc...	Toys, kitchen scales, garage door remote control, stud finder, torches, etc...	Lithium batteries.	Smart watch, GPS units, wireless speakers, gaming controller, wireless headphones, electric shaver, etc...
Scheme Status	Included.	Included.	Included.	Included.	Not included in the Scheme yet.
Start date	Jan 2022.	Jan 2022.	Subject to consultation with industry.	Subject to consultation with industry decision by July 2022.	Industry action required to determine which Product Stewardship Scheme is the most appropriate by July 2022.

The Scheme commences in January 2022

BSC is currently signing up importers and retailers & accrediting B-cycle collectors and recyclers.

From December, you will be able to find accredited recyclers on the B-cycle website.

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B-cycle
BATTERY
RECYCLING



A Call to Action



Join Australia's official product stewardship scheme for batteries.

STEP 1

As an importer, retailer, drop-off point, or recycler, you can become an accredited B-cycle Participant and get involved in the scheme.

There is no accreditation fee, however importers must pay the levy (initially 2c/EBU).

STEP 2 (OPTIONAL)

Become a member of the Battery Stewardship Council.

Associate Member	Demonstrate support & stay informed	No fee
Full Member	Access voting rights & be eligible for nomination to the BSC board	Free for importers \$1,000 per annum for non-importer participants

To find out more, email us at: contact@bsc.org.au



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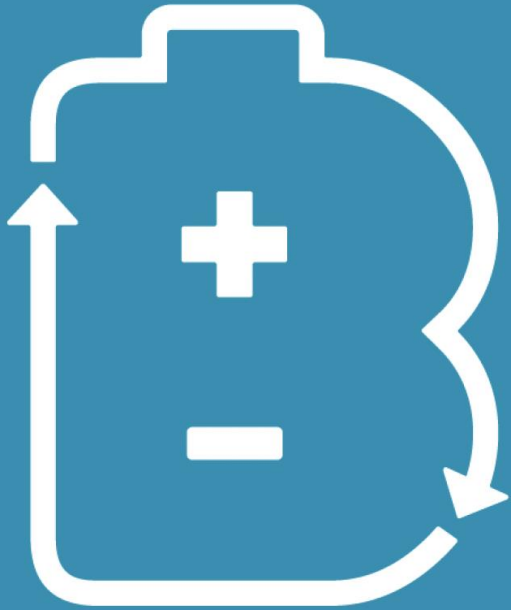


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Thank you