

Battery supply chain

A new way for WA to capture more value in the growing supply chain for lithium batteries

The vision

Capture increased value from the global battery industry, moving well beyond simply exporting raw commodities.

Battery supply chain could be WA's

second largest

export sector behind iron ore and ahead of gold and agricultural produce

"Current trends in the manufacture of lithium-ion batteries suggests that by around 2024 EVs will be cost competitive on an unsubsidised basis and at price parity by 2029."

WA's Future in the Lithium Battery Value Chain, CCIWA, Nov 2018

The time is now

Globally:

The global charge towards electric vehicles and renewable energy generation is gathering pace and it's creating huge demand for lithium-ion batteries

Locally:

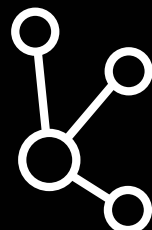
Large reserves of key battery minerals and a highly favourable policy environment put WA front and centre

Over **1 million** electric cars sold

globally in 2017, a 54% increase on last year

220 million 

electric vehicles could be on the road by 2030



Stage 2 of BHP Nickel West's proposed operations at **Kwinana** would make it the **Largest** global nickel sulphate **producer**



Albermarle's new lithium hydroxide plant

was granted environmental approval in November 2018



More than 10 countries

have legislated the phasing out of petrol and diesel vehicles

63kg of lithium 

is required for a Tesla Model S battery pack

WA is the world's largest lithium exporter, in 2016-17 our state exported **41%** of global lithium supply



Globally significant reserves:

1st for Nickel | **2nd** for Cobalt | **3rd** for Lithium

Embedded within supply chains 

in China, Korea and Japan

Top 5 for mining friendly policy

WA is consistently ranked in the top 5 for mining investment attractiveness among jurisdictions globally