MANUFACTURING

Brett Murrell | Candidate for Farrer

Lithium 700× value · green aluminium · gigafactories · $310B domestic saving

700×	$310B	66K	6c
Value uplift Lithium battery vs rock	Domestic saving Build local vs import	Jobs 3 gigafactories alone	kWh Industrial power

THE PROBLEM

AUSTRALIA EXPORTS RAW — IMPORTS FINIS

Australia mines 55% of the world's lithium and exports 95% of it as spodumene rock at $800 per tonne. China buys it, processes it to battery chemicals, manufactures cells, and sells batteries back to Australia for $70-100 per kWh. Australia does the digging. China does the building.

NO INDUSTRIAL POWER

Australian manufacturers currently pay $100-150 per MWh for electricity. Competitors in China, South Korea, and the Middle East pay $20-40 per MWh. The power price gap alone makes Australian manufacturing uncompetitive regardless of labour productivity, geographic

SOVEREIGN CAPABILITY — ZERO

Australia has no sovereign manufacturing capability for the products the SBC needs. HVDC cable, solar panels, battery cells, pipeline — all imported. A $140-210 billion infrastructure program that sends every dollar offshore. The SBC procurement requirement is also the demand

THE MMP SOLUTION

LITHIUM — 700× THE VALUE

Australia's annual lithium production as spodumene rock: $69M. As battery cells: $43-54 billion. That is a 700-fold increase in value from a single processing step Australia does not currently do at scale. The SBC's own battery procurement — 50GWh minimum in the first corridor alone — is the anchor contract. Three Kalgoorlie gigafactories: 66,000 jobs, $8.4B/year revenue.

GREEN ALUMINIUM — 6c/kWh CHANGES EVERYTHING

Aluminium smelting is among the most energy-intensive industrial processes on earth. Australia has the bauxite, the alumina, and the aluminium smelters — but smelters have been closing because Australian power prices are too high. At 6c/kWh corridor industrial power, Australian aluminium becomes the cheapest-to-produce green aluminium on earth. Smelters reopen. Exports multiply.

$310B DOMESTIC MANUFACTURING SAVING

Five procurement categories — HVDC cable, gas/water pipeline, solar panels, battery storage, prefab construction — cost $313B imported vs $168B domestic. The saving is $310 billion — more than the entire SBC first-decade capital requirement. Building domestic manufacturing capability doesn't cost money. It generates it.

HVDC CABLE — BROKEN HILL TO MILDURA

The Broken Hill to Mildura corridor is the natural home for HVDC cable manufacturing — historically industrial, mining-skilled, rail-connected. 25,000+km of HVDC cable required. Import at $1.5M/km: $37B. Domestic at scale: $12B. Saving: $25B. Copper rod from Mount Isa. Aluminium from Gladstone. Cable drawn and insulated in Broken Hill. Farrer jobs from Farrer infrastructure.

SOLAR PANELS — CENTRAL QUEENSLAND

Australia uses silicon from its own quarries to make solar panels. Currently: almost none. 80GW of solar panels needed for Phase 1 alone. Import at $200/m²: $80B. Domestic at scale: $28B. Saving: $52B. Assembly in central Queensland — close to the silicon feedstock, on the SBC corridor, in the solar resource zone. Assembly from imported cells initially, silicon wafer and cell manufacturing following.

PIPELINE AND STEEL — WHYALLA REBORN

Gas and water pipeline: 20,000+km needed. Import at $500k/km: $10B. Domestic: $3.5B. Saving: $6.5B. Steel rolled at Whyalla and Newcastle from Australian iron ore. Whyalla steelworks — subject of national emergency intervention — becomes the pipeline steel supplier for the largest infrastructure program in Australian history. From closure to indispensable in one procurement decision.

DRONE + DEFENCE MANUFACTURING

The SBC corridor towns are the defence manufacturing spine. Toowoomba, Wagga Wagga, Darwin: drone manufacturing. Broken Hill, Mildura: HVDC cable. Whyalla: pipeline steel. Kalgoorlie: battery cells. Every major corridor node has a manufacturing function matched to its location, skills base, and proximity to inputs. Defence procurement anchors each facility.

PREFAB CONSTRUCTION — 1.5M HOMES

181 corridor towns × average 5,000 residents × 2 people per home = 452,000 homes minimum. Including aged care communities, Green Zones, and commercial: 1.5 million modular buildings. Import at $200k each: $300B. Domestic prefab at $80k: $120B. Saving: $180B. Every major corridor node has a prefab facility producing modular buildings. Fastest construction on earth.

TECHNOLOGY TRANSFER — OWN IT

Every technology partnership comes with a technology transfer requirement. Japan or China supplies maglev technology — Australia builds the guideway locally by corridor 3. HVDC technology — Australia manufactures cable domestically within 5 years. Solar: Australian cell manufacturing within 10 years. The SBC is not just an infrastructure program. It is an industrial sovereignty program.

CURRENT vs SBC SOLUTION

CURRENT — THE PROBLEM	SBC — THE SOLUTION
Lithium export: spodumene rock at $800/tonne. China adds the value.	**Battery cells: $43-54B/year from same lithium. 700× value. 3 gigafactories.**
Industrial power: $100-150/MWh. Manufacturing uncompetitive.	**Corridor industrial power: 6c/kWh. Cheapest green manufacturing on earth.**
HVDC cable: 100% imported at $1.5M/km. $37B total.	**Broken Hill cable factory: $12B domestic. $25B saving. Copper from Mt Isa.**
Solar panels: 100% imported. $80B for Phase 1 alone.	**Central Qld solar assembly: $28B domestic. $52B saving. Australian silicon.**
Steel pipeline: largely imported. Whyalla facing closure.	**Whyalla produces SBC pipeline steel. From closure to essential in one contract.**
Battery storage: imported at $150k/MWh. $75B for corridor storage.	**Kalgoorlie gigafactory: $50k/MWh domestic. $50B saving. 66,000 jobs per 3 plants.**
Aluminium smelters: closing. Australian power too expensive to smelt.	**6c/kWh corridor power: cheapest green aluminium on earth. Smelters reopen.**
Green steel: concept only. No cheap power for electric arc furnace.	**Green steel: SBC power at 6c/kWh makes Australian electric arc steel viable.**
Prefab construction: cottage industry. 181 towns unachievable without scale.	**Corridor prefab: $80k/home vs $200k imported. $180B saving. Towns built fast.**
Technology: maglev, HVDC, solar cells — all foreign owned.	**Technology transfer in every contract. Australia owns the capability by corridor 3.**

> *"Australia digs up the lithium that powers the world's EVs and sells it for $800 a tonne. That ends now." — MMP Federal Platform*

★ VOTE 1 — BRETT MURRELL — FARRER — 9 MAY 2026 ★