

Important Notices and Competent Persons Statement

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Recipients of this presentation outside Australia should note that it is a requirement of the Australian Securities Exchange listing rules that the reporting of ore reserves and mineral resources in Australia comply with the Australasian Joint Ore Reserves Committee Code for Reporting of Mineral Resources and Ore Reserves ("JORC Code"), whereas mining companies in other countries may be required to report their ore reserves and/or mineral resources in accordance with other guidelines (for example, SEC Industry Guide 7 in the United States). Recipients should note that while Pilbara's mineral resource and ore reserve estimates comply with the JORC Code, they may not comply with the relevant guidelines in other countries, and do not comply with SEC Industry Guide 7. In particular, SEC Industry Guide 7 does not recognise classifications other than proven and probable reserves and, as a result, the SEC generally does not permit mining companies to disclose their mineral resources, including indicated and inferred resources, in SEC filings. Accordingly, if Pilbara were reporting in accordance with SEC Industry Guide 7, it would not be permitted to report any mineral resources, including indicated and inferred resources, and the amount of reserves reported by Pilbara may be lower than its estimates. You should not assume that quantities reported as "resources" will be converted to reserves under the JORC Code or any other reporting regime or that Pilbara will be able to legally and economically extract them. In addition, investors should note that under SEC Industry Guide 7, mine life may only be reported based on ore reserves. Mine life estimates in this presentation assume that a portion of non-reserve resources will be converted to ore reserves, which would not be permitted under SEC Industry Guide 7.

Acceptance

By attending a presentation or briefing, or accepting, accessing or reviewing this document you acknowledge, accept and agree to the matters set out above.

Competent Persons Statements

The Company confirms it is not aware of any new information or data that materially affects the information included in the 17 September 2018 Pilgangoora Mineral Resource estimate and that all material assumptions and technical parameters underpinning the estimate continue to apply and have not materially changed when referring to its resource announcement made on 17 September 2018.

The Company confirms it is not aware of any new information or data that materially affects the information included in the 17 September 2018 Pilgangoora Ore Reserve estimate and that all material assumptions and technical parameters underpinning the estimate continue to apply and have not materially changed when referring to its resource announcement made on 17 September 2018.

The Company confirms it is not aware of any new information or data that materially affects the information included in the 16 October 2018 Pilgangoora Exploration Target* and that all material assumptions and technical parameters underpinning the estimate continue to apply and have not materially changed when referring to its resource announcement made on 16 October 2018.

* **Note to Exploration Target:** The potential quantities and grades of the Exploration Target are conceptual in nature and there has been insufficient exploration to date to define a Mineral Resource. It is not certain that further exploration will result in the estimation of a Mineral Resource.

Highlights March Quarter 2019

Pilgangoora Lithium-Tantalum Project: from first drill hole to production in under four years

- Declaration of commercial production 1 April 2019
- Quarterly sales:
 - o 38,562dmt of spodumene concentrate (SC6.0)
 - \circ 30,356lbs tantalite concentrate (+5% Ta₂O₅)
- Steady production growth 52,196dmt of spodumene concentrate (despite weather impacts)
- Improving lithia recovery trend
- Positive Stage 3 Scoping Study results released for proposed expansion to 7.5Mtpa
- Partnering process commenced to consider Stage 3 offtake, chemical facility development and sale of minority project-level interest (20-49%)
- Board exercises option to participate in POSCO JV for 40ktpa chemical conversion facility subject to due diligence and financing (FID due Jun Qtr 2019)
- Receipt of A\$50M equity from Ganfeng Lithium



Production and sales

Consistent production and customer sales for the March Quarter

Production and sales

	Units	Q3 FY18	Q4 FY18	Q1 FY19	Q2 FY19	Q3 FY19
Direct Shipping	wmt	-	145,974	205,766	O ²	O ²
Ore (DSO) sold	<u> </u>					
Spodumene	dmt	-	-	11,015	47,859	52,196
concentrate						
_produced						
Spodumene	dmt	-	-	0	46,598 ¹	38,562
concentrate sold						
Tantalite	lb	-	-	22,151	56,663	33,374
concentrate						
produced						
Tantalite	lb	-	-	7,378 ¹	27,821	30,356 ³
concentrate sold						

 $^{^{\}rm 1}\,\textsc{Concentrates}$ have been adjusted following final results.

Stocks

	Units	Q1 FY19	Q2 FY19	Q3 FY19
ROM stockpile	dmt	N/A ¹	487,292 ³	520,606
Coarse ore stockpile	dmt	N/A ¹	82,430	96,139
Spodumene concentrate stocks	dmt	17,677 ²	17,266 ²	30,900 ²
Tantalite concentrate product	lb	14,774 ⁴	43,616 ⁴	46,634
stocks				

¹No previous reporting for period due to completion of build and commissioning phase.



² The DSO program was suspended in Q2 FY19.

³ Sales estimates pending final assays results.

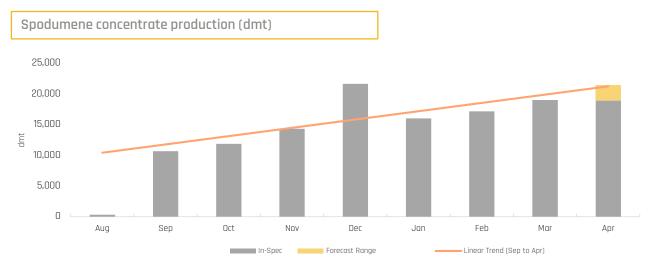
 $^{^2}$ Includes low-spec stocks produced during initial commissioning phase which are expected to be sold over time.

³ Prior quarter results have been adjusted to reflect the re-classification of certain ore tonnes to mineralised waste.

⁴Concentrates adjusted following final sales results.

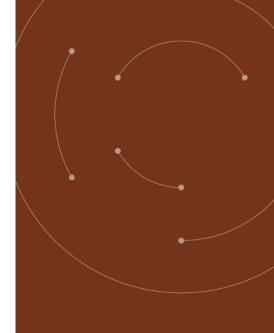
Production trend

Steady increase in spodumene concentrate production as processing plant is further optimised for lithia recovery and throughput



¹ April production is unreconciled production to 27 April 2019, with an estimate of expected production to April 2019 month end.

- Forecast April production estimate of 20—22kt (dmt, SC6.0 basis) driven by improving lithia recovery trend
- Adjustments to the Pilgangoora plant are delivering planned recovery improvements:
 - March 26 to April 18 recovery (unreconciled) of 63% (SC6.0 basis), representing approx. 85% of design (75% lithia recovery)
 - o 9th April to 18th April recovery (unreconciled) of 65% (SC6.0 basis)



 A total of 52,196 dmt (dry metric tonnes, SC6.0 basis) spodumene concentrate produced during the March Quarter



Corporate update

Declaration of commercial production, option exercised to participate in POSCO downstream JV and receipt of customer equity funding underpins a strong quarter.

Commercial production declared following sustained performance across:

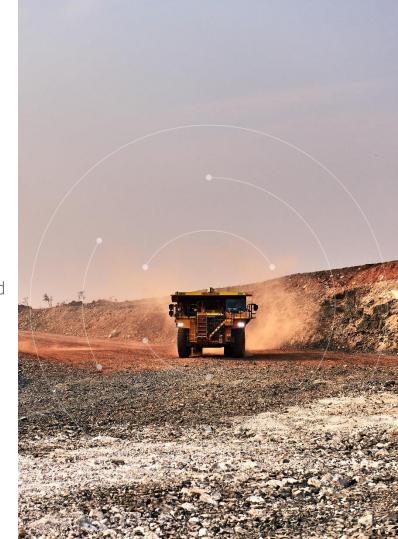
- Production steady and trending towards design capacity
- Feed-rate achieved plant design of 270t per operating hour
- Product quality achieved, meeting customer specification
- Recovery rates average achieved were stable, albeit below planned

Proposed 30% JV with POSCO

- Board exercised option to participate in JV subject to final due diligence, financing and final JV terms
- Final investment decision June Qtr 2019

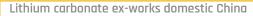
Cash balance

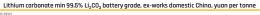
- \$103.9M cash in bank as of 31 March 2019
- Receipt of A\$50M equity from Ganfeng Lithium and A\$36M from product sales

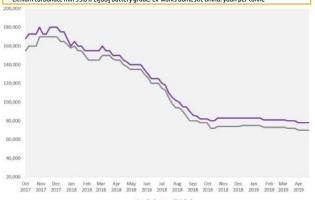


Global lithium chemicals pricing

Source: FastMarkets MB. Friday April 26 2019

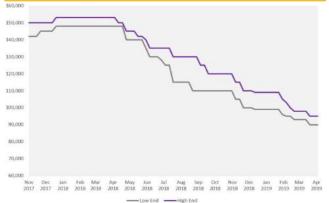




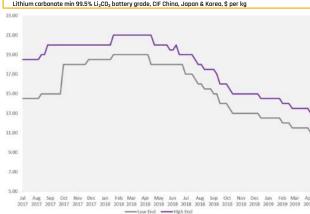


Lithium hydroxide ex-works China

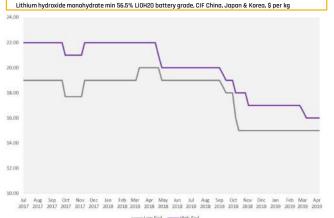
Lithium hydroxide monohydrate min 56.5% LiOH.H₂O battery grade, ex-works domestic China, yuan per tonne



Lithium carbonate cif China, Japan and Korea Lithium carbonate min 99.5% Li₂CO₂ battery grade, CIF Ching, Japan & Korea, \$ per kg



Lithium hydroxide cif China, Japan and Korea



stabilise, relative to 2018 outcomes

relatively strong, particularly in the hydroxide segment

Stage 3 partnering process

Partners to be considered for Stage 3 offtake, chemical plant and project expansion,



Exceptional growth opportunity

A clear expansion pathway to meet customer growth requirements

STAGE 1: 2MTPA

STAGE: Operations

STATUS: Production and

shipments

PRODUCTION: 330,000tpa ~6%

spodumene concentrate

321,000lbspa +5% and tantalite concentrate

OFFTAKE: Stage 1 and 2

spodumene concentrate

100% under agreement

STAGE 2: 5MTPA

STAGE: DFS and FID complete

STATUS: Financing underway

PRODUCTION: 800-850,000tpa~6%

spodumene concentrate

800,000lbspa +5%

tantalite concentrate

OFFTAKE: Stage 1 and 2

spodumene concentrate

100% under agreement

STAGE 3: UP TO 7.5MTPA

STAGE: Proposed

STATUS: Scoping study complete

PFS initiated

PRODUCTION: up to 1.2Mtpa ~6%

spodumene concentrate

1,100,000lbspa +5% tantalite concentrate

OFFTAKE: Partnering process

underway

Proposed chemical conversion plant

What sets us apart?

1 🔊

World class
lithium resource

The Pilgangoora Project is one of the premier hard-rock lithium-tantalum resources globally (by size and grade) where there is both spodumene concentrate offtake and a joint venture position available, with Tantalite by-product credits.

2



Low cost operation

Forecast LOM cash cost of US\$291/t¹ (net of tantalum by-products) with the Pilgangoora Project's cost position benefiting from high grade, scalable mining operations, low strip ratio and tantalum by-products.

3



Quality product and customers

Pilbara Minerals has secured long-term offtake arrangements with world-class customers to support Stage 1 and Stage 2 production and has consistently delivered high quality products to market that meet customer requirements.

4



Clear expansion pathway

A three-phased growth strategy that includes expansion to 7.5Mtpa processing capacity (1.2Mtpa spodumene concentrate), development of a lithium hydroxide conversion facility and exploration target set to drive mine life extension.

5



Proven operator

Pilbara Minerals has a highly experienced management team who have led the Pilgangoora Project from first drill hole to production in under 4 years and successfully met high quality 6% battery grade product requirements.

6



Exploration upside

Pilbara Minerals plans to extend the mine life of the Pilgangoora Project through Resource conversion and further discoveries from its 50 - 90Mt of exploration targets which include potential near-surface tonnes.

7



Diversification into downstream processing

Through its joint venture with POSCO and the evaluation of a proposed secondary lithium chemical conversion facility in either Australia or overseas, Pilbara Minerals is positioned to expand its operations into the high-value lithium chemical market.

