

Market Update

02 March 2020

Highlights

Cobalt Blue Holdings Limited
A Green Energy
Exploration
Company



ASX Code:

COB

Commodity Exposure:

Cobalt & Sulphur

Directors & Management:

Robert Biancardi Non-Exec Chairman
Hugh Keller Non-Exec Director
Robert McDonald Non-Exec Director
Joe Kaderavek CEO & Exec Director
Robert Waring Company Secretary

Capital Structure:

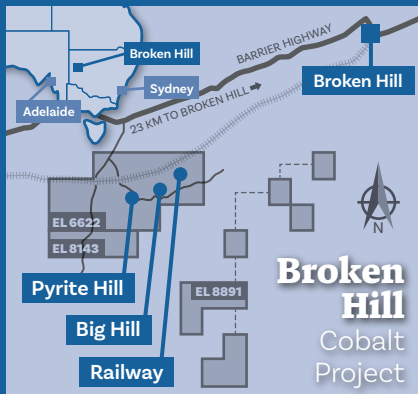
Ordinary Shares at 02/03/2020: **159.9m**

Options (ASX Code: COBO): **29.6m**

Market Cap (undiluted): **\$16.0m**

Share Price:

Share Price at 02/03/2020: **\$0.10**



Cobalt Blue Holdings Limited

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Pilot Plant Update – Critical Equipment Received

KEY POINTS

- COB has taken delivery of critical Pilot Plant equipment – including both leaching circuit and specialist filter equipment. The equipment has arrived in the Port of Adelaide ready for transport and site installation at Broken Hill.
- First construction work to begin in early March with Pilot Plant on target for mid-year operations.
- The Pilot Plant will inform the Broken Hill Cobalt Project (BHCP) Feasibility Study as well as supply cobalt product samples to the COB global partnership program.
- The Pilot Plant will be modular and will be sized upwards to a Demonstration Plant (1:1,000 to full commercial size) by early 2021.

Demonstration Plant Manager, Adam Randall, said:

"We are delighted that the first module of the Demonstration Plant equipment is coming to site. The construction of the first sections of the Pilot Plant will commence shortly. We anticipate working closely with key business partners in the Broken Hill community to bring our project to life. The coming months will be a busy and exciting time for the team at Broken Hill. The goal for the Pilot Plant is to generate commercial samples of battery grade cobalt sulphate via direct application of our unique processing technology. This will support both BHCP Feasibility Study as well as our COB Partnerships business"

COB has previously announced that it intends to build a Pilot Plant in the Broken Hill area. Design, engineering and procurement is well underway, with critical equipment already received into the Port of Adelaide. The equipment will now be transported to Broken Hill for installation as an integral part of the Pilot Plant facility, with installation expected to begin in early March. This equipment includes leaching circuit equipment as shown in Figure 1. Figure 2 shows the Pilot Plant (3D view).

Pilot Plant results will form the basis for the engineering design and cost estimates for the Demonstration Plant underpinning the BHCP Feasibility Study. The centre will also allow COB to produce varying specifications of cobalt products (including mixed hydroxides and sulphates).

We anticipate commissioning the Pilot Plant by end Q2 2020. Our commercial aim remains to make battery ready cobalt sulphate from this facility on a scale sufficient to provide **test samples** (10 – 20 kg) for global commercial partners. The Pilot Plant will be modular and will be sized upwards to a Demonstration Plant (1:1,000 to full commercial size) expected by early 2021.

Figure 1 – COB Pilot Plant – Leaching Circuit Equipment Received by Adam Randall
(Demonstration Plant Manager)



Figure 2 – COB Pilot Plant – 3D view



The Demonstration Plant is aiming to deliver multiple **production samples** (100–150 kg) to leading battery production facilities across Asia, Europe and North America. These samples will be used to manufacture complete batteries which are tested against performance specifications of each manufacturer.

Potential commercial and strategic partners will be able to visit the project mine site as well as the Pilot Plant and subsequently the Demonstration Plant, providing inspection of the entire production chain of the BHCP.

The BHCP development timeline to 2022 is shown in Figure 3.

Figure 3 – COB's Development Timeline

	2017	2018	2019	2020	2021	2022
Business Achievements	IPO	LGI – Cobalt First Mover	Mitsubishi – Sulphur Agreement 100% Project Ownership	Global cobalt sample program – Q3 2020		Final Investment Decision – H1 2022
Technical Studies	Resource upgrade Drilling: +8,000m Resource: 55Mt Scoping Study	Resource upgrade Drilling: +12,500m Resource: 72Mt Pre Feasibility Study	Resource upgrade Drilling: +9,500m Resource: 111Mt	Ore Reserve Update – Q2 2020		Feasibility Study and Approvals – Q1 2022
Metallurgical Studies			Concentration – Pilot Scale Testwork	Pilot Plant – Q2 2020	Demonstration Plant – Q1 2021	
Environmental Approvals			CPDP Submitted	Scoping Report – Jan 2020 SEARs issued – Q2 2020	EIS Submission – H2 2021	SSD Determination – H1 2022
	ACHIEVEMENTS			GOALS		

Cobalt Blue Background

Cobalt Blue Holdings Limited (ASX: COB) is an exploration and project development company. Work programs advancing the Broken Hill Cobalt Project in New South Wales continue. Our ambitious goals are subject to funding availability. Cobalt is a strategic metal in strong demand for new generation batteries, particularly lithium-ion batteries now being widely used in clean energy systems.

Looking forward, we would like our shareholders to keep in touch with COB updates and related news items, which we will post on our website, the ASX announcements platform, as well as social media such as Facebook (f) and LinkedIn (in). Please don't hesitate to join the 'COB friends' on social media and to join our newsletter mailing list at our website.



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On behalf of the Board of Cobalt Blue Holdings Limited

Previously Released Information

This ASX announcement refers to information extracted from the following reports, which are available for viewing on COB's website www.cobaltblueholdings.com

- 9 December 2019: Pilot Plant Update
- 24 June 2019: Concentrate Circuit (Pilot Trial) program successfully completed
- 31 May 2019: COB-Mitsubishi Sulphur Agreement
- 4 April 2019: Significant Thackaringa Resource Upgrade
- 26 February 2019: Testwork Update
- 04 July 2018: Thackaringa Pre Feasibility Study Announced

COB confirms it is not aware of any new information or data that materially affects the information included in the original market announcement, and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed. COB confirms that the form and context in which the Competent Person's findings presented have not been materially modified from the original market announcement.