

Impact Minerals Limited

Cost-disruptive High Purity Alumina

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What lies beneath Lake Hope?



A Transformational Acquisition

ASX Release 21st March 2023

ASX: IPT

SCOPING STUDY: WORLD CLASS ECONOMICS

10,000 tpa 4N HPA	A\$1,334M	A\$253M	55%
initial 25-year mine life	Post-tax NPV ₅	Initial Capital Expenditure	Post-tax IRR
US\$3,264/t	A\$174M	A\$4,877M	
Operating cost (nett of by-product)	Post-tax cash flow per year	Post-tax cashflows	

ASX Release 9th November 2023. There have been no material changes to the Scoping Study since this date.

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THE VALUE PROPOSITION

- Current Share Price 1.4 cents

- NPV₈ A\$1.334 billion

Scoping Study 40-50% increase

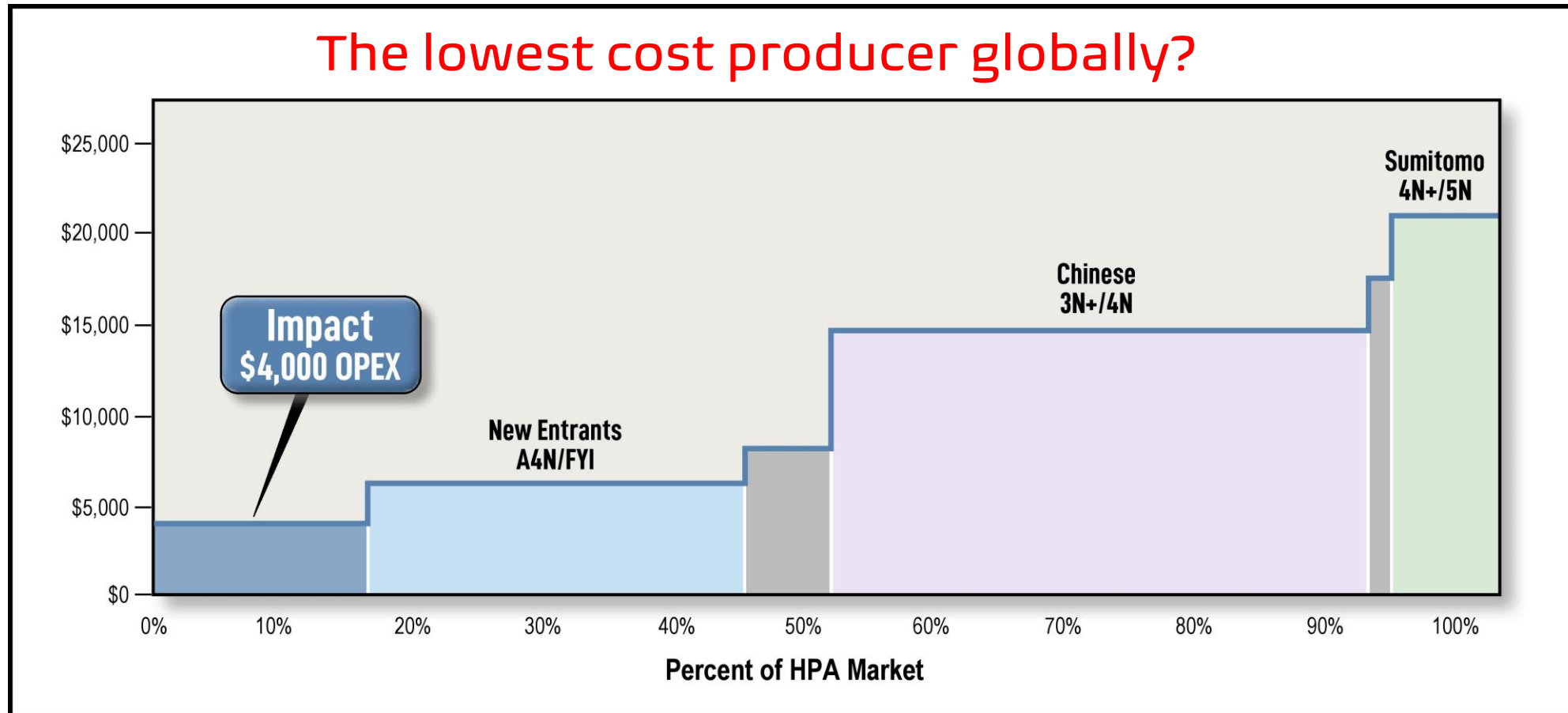


- Market Cap: A\$40 million

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THE VALUE PROPOSITION DRIVER



ASX Release 9th November 2023

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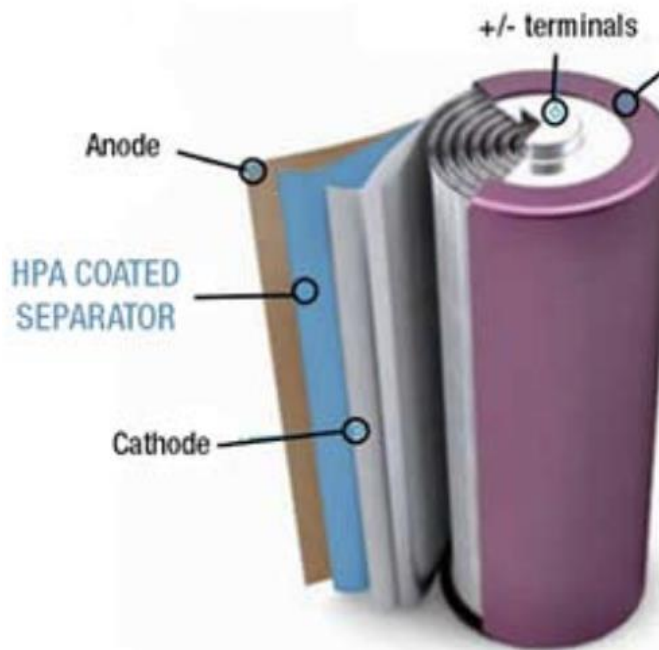
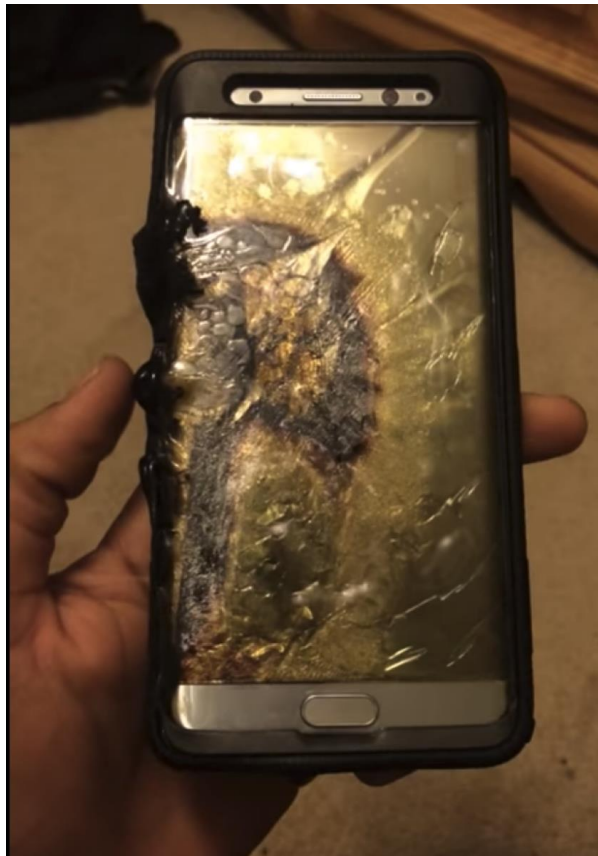
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What is High Purity Alumina?

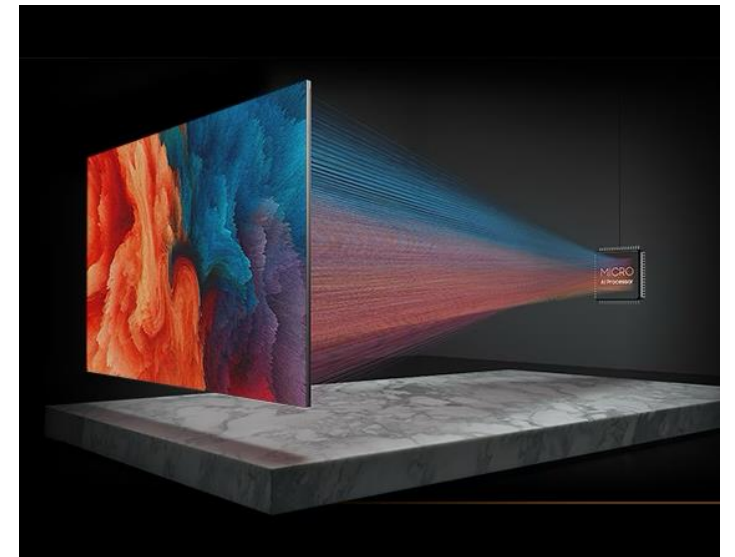
- Alumina is aluminium oxide – Al_2O_3 (Sapphire!)
- Purity of >99.99% or “4N”
- Listed on the Critical Minerals List for Australia, Europe and the USA.

What is HPA used for?

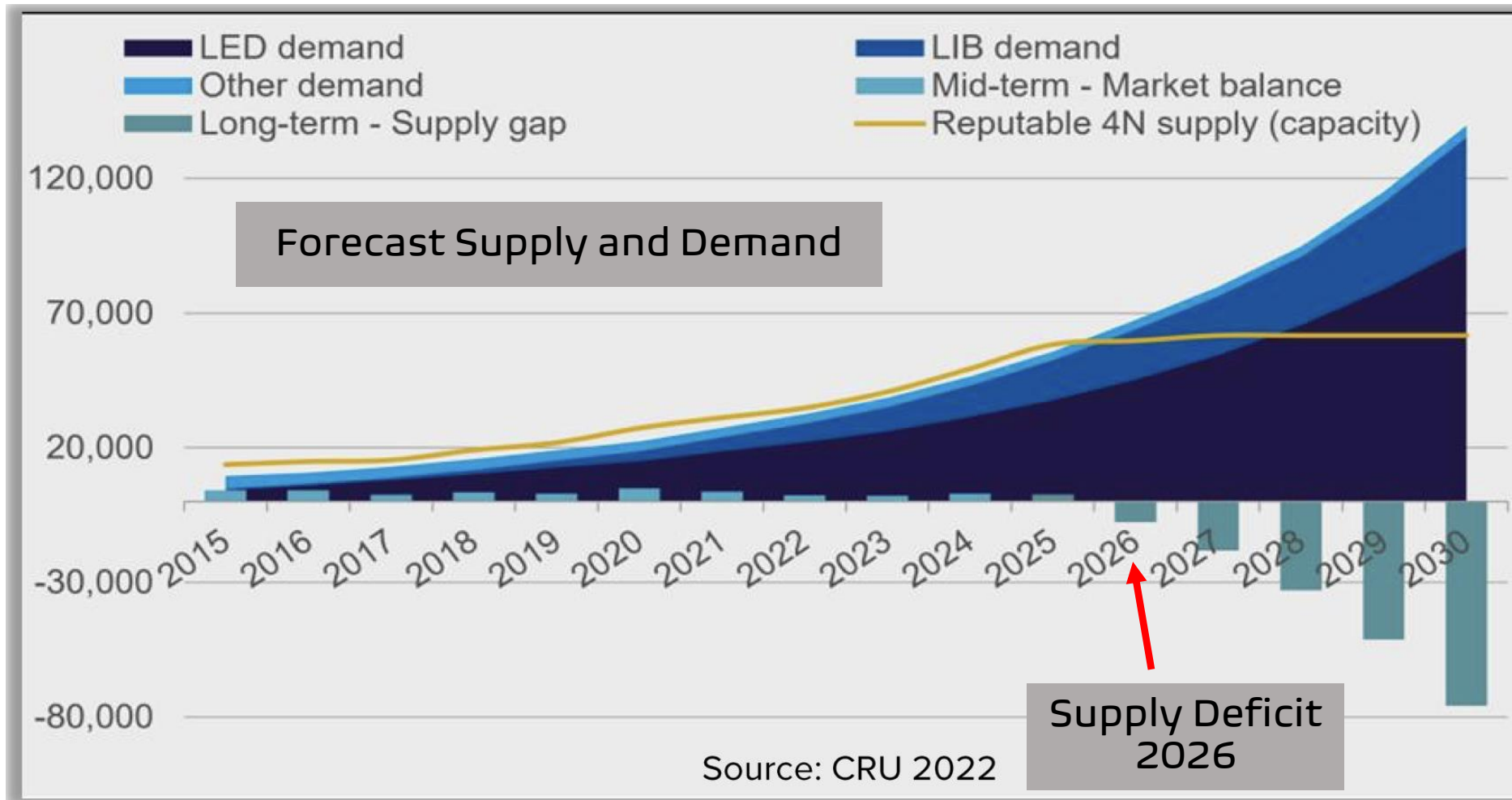
- Coatings & Separators in Lithium-ion batteries
- LED and MicroLED



- Sapphire glass



THE HPA DECADE?



Source: CRU 2022

Supply Deficit 2026

Kindly Provided by Alpha HPA Limited

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What is High Purity Alumina (99.99% Al₂O₃) worth?

Purity Grade	Specification	Price Range per tonne	Application
Smelter Grade	99.5%	US\$4,000	Precursor chemical, abrasives
3N HPA	99.9%-99.98%	US\$5,000- US\$15,000	Sapphire, abrasives, catalysts
4N HPA	99.99-99.998%	US\$15,000- US\$25,000	Li-B coatings, sapphire wafer
5N HPA	99.999%	US\$25,000+	Li-B coatings
6N HPA	99.9999%	\$50,000+	Specialty applications

- A High-Margin and High Demand Business

In-house figures researched by Impact Minerals Ltd

Lake Hope: A multi-decade HPA mine

880,000 Tonnes of Al₂O₃ (Alumina).

Benchmark production of 10,000 tonnes per annum
= >50 year mine life

Mineral Resources			
Category	MTonnes	Alumina %	Al₂O₃ Kt
Indicated	3.19	25.3	808.0
Inferred	0.31	23.4	71.7
Total	3.50	25.1	879.7

ASX Release 19th June 2023

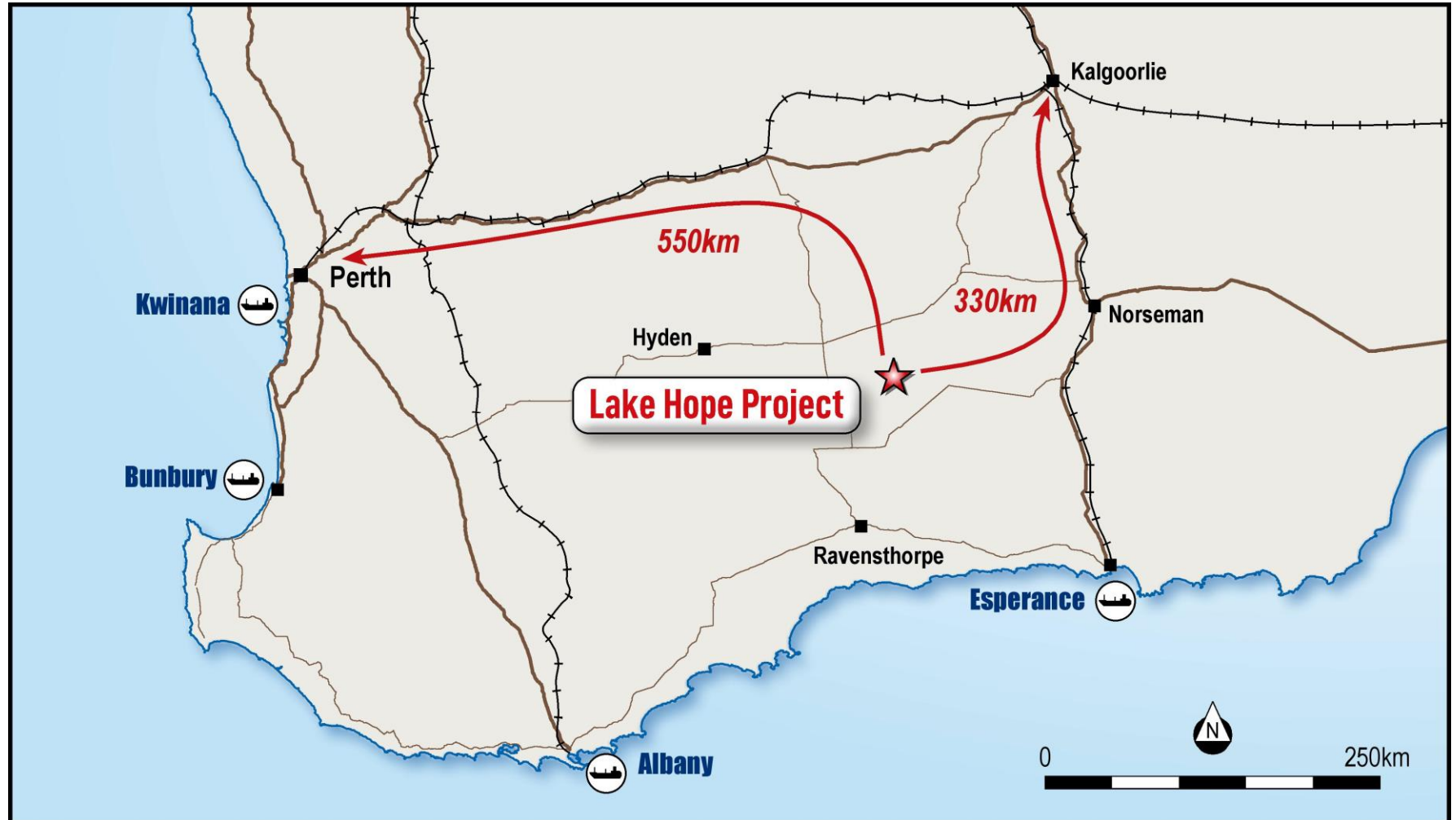
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Project Location

Western Australia

A Tier One Jurisdiction



Lake Hope: a unique deposit

West Lake

East Lake

1 km



The Perfect Orebody?



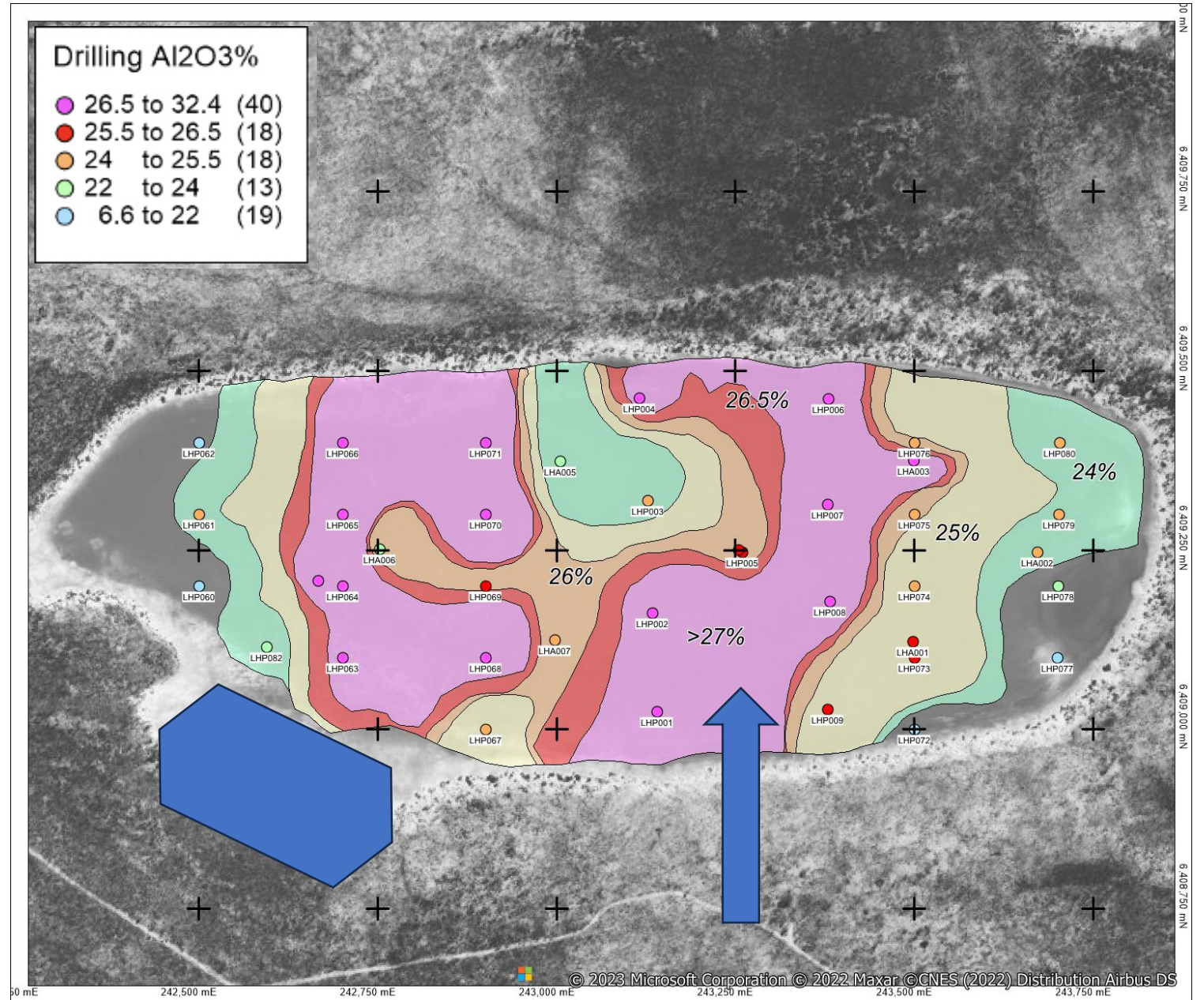
Micron to nanometre sized particles!

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10-15 Year "starter pit"

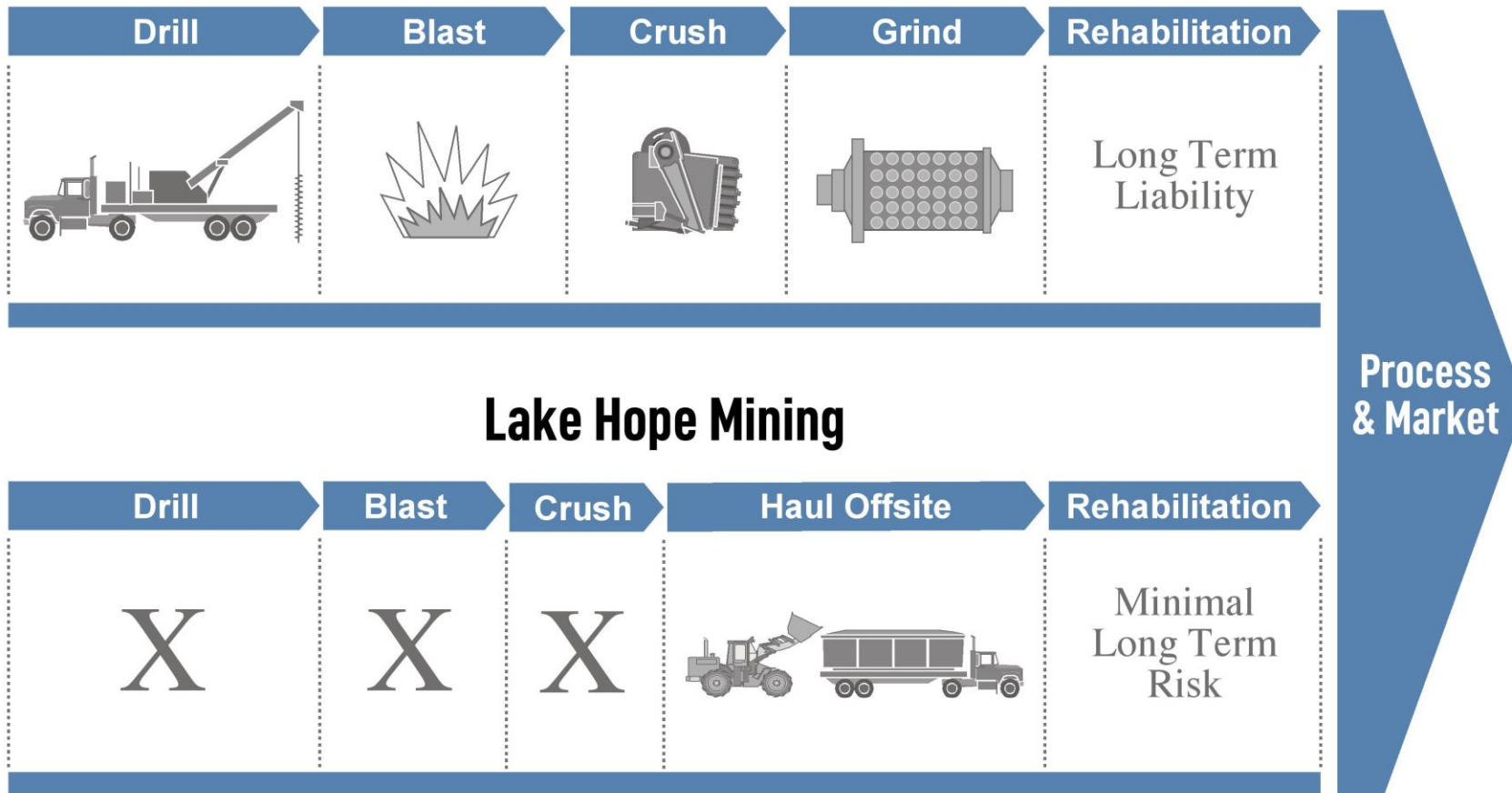
ASX Releases 21st March 2023 and
8th November 2023



Very low cost mining

Less than 5% of Opex

Hard-Rock Peers



Lake Hope Mining

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Native Title
Aboriginal
Corporation

vision

Upholding the continued connection of Ngadju Nation custodianship for its people, land, cultural heritage and future generations.

mission

Acting in the interests of Ngadju Native Title rights on behalf of all Ngadju Nation whilst continuing the preservation and protection of Ngadju heritage and culture.

values

CULTURE

Ngadju's history, culture, connection and country influences everything we do.

ELDERS & KNOWLEDGE HOLDERS

We are guided by our Elders and Knowledge Holders.

INTEGRITY

We are committed to truth, voice and treaty, acting transparently and fairly at all times.

RESPECT

We will always treat everyone with respect.

community



Strategic Objective: Build a strong Ngadju community

- Develop positive relationships to support our community
- Foster inclusion, cohesion and belonging for our membership
- Consolidate information to better understand our community.

commerce



Strategic Objective: Strengthen our Ngadju foundations

- Develop financial sustainability through income diversification based on strong relationships, and partnerships
- Continue to improve the effectiveness of our Governance structures
- Ensure our native title rights are secure and benefits are maximised through current native title agreements and outcomes in future agreements.

culture



Strategic Objective: Cultivate our Ngadju culture

- Build intergenerational cultural knowledge
- Caring for Country
- Preservation and advancement of our language



First Nations: Heritage Clearance Granted

The Ngadju

The Ngadju community is an immensely proud First Nations people who continue to develop the Ngadju membership. We want all Ngadju people to experience improvements in physical and spiritual health and to assist with teaching and learning Ngadju culture to provide many opportunities to lead connected and fulfilling lives.

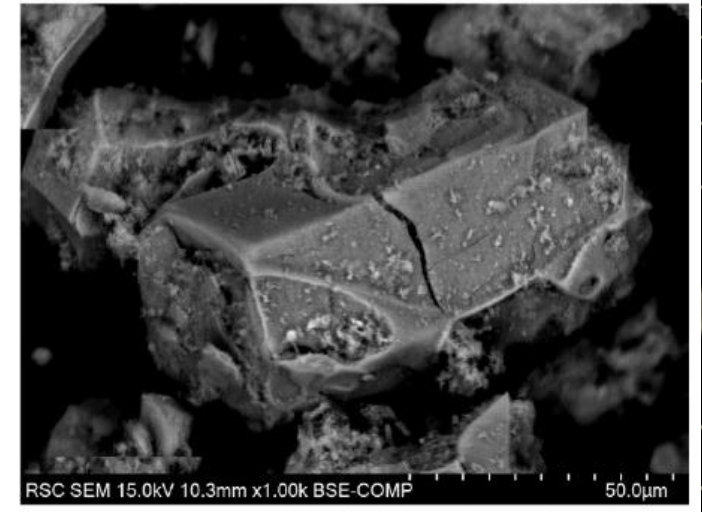
ASX Release 27th July 2023

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Disruptive Processing Techniques

- Fine grained minerals give unexpected reaction kinetics.
- Cheap reagents.
- Sulphate Process and LTL Process.
- High recoveries up to 86%
- Saleable waste-products.
- Optimisation during Pre-Feasibility Study.



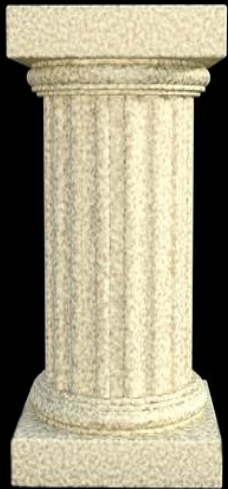
ASX Releases 21st March 2023 and 18th October 2023

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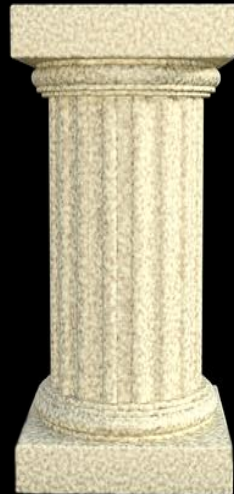
ASX: IPT

Four Pillars of the Pre-Feasibility Study

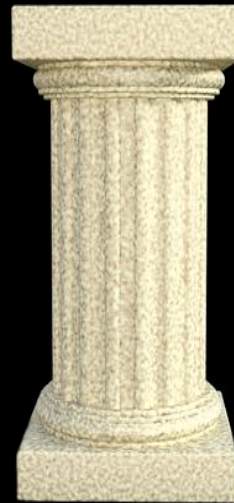
Metallurgical
Test Work



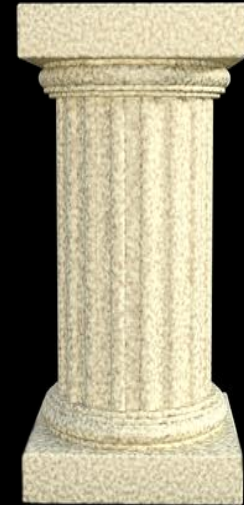
Mining
Approvals



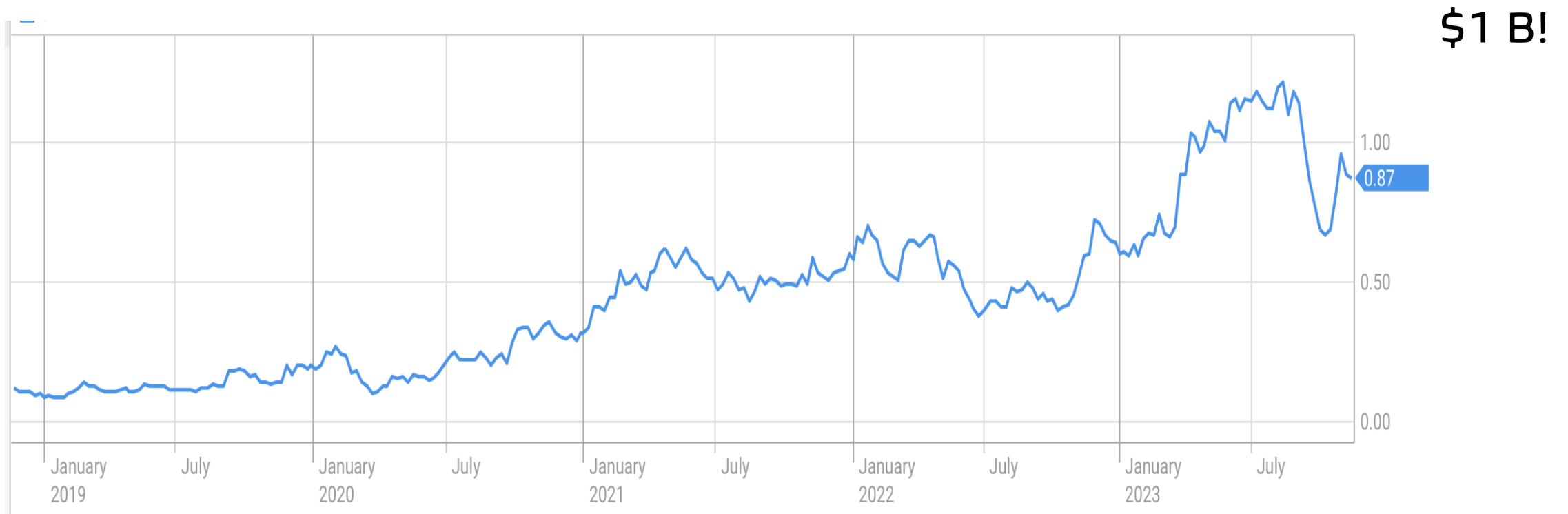
Process Plant
Location



Product
Marketing



The Alpha HPA Journey (ASX:A4N)



\$1 B!

\$20 M

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About Impact Minerals (ASX:IPT)

Board of Directors and Management

Non-Executive Chairman: Peter Unsworth
 Managing Director: Dr Mike Jones
 Non-Executive Director: Dr Frank Bierlein
 Non-Executive Director: Paul Ingram
 Exploration Manager: James Cumming
 Lake Hope Manager: Roland Gotthard

Capital Structure

Listed on ASX	November 2006
Shares on Issue	2,864 million
Options/ Perf Rights	342M unlisted 158M IPTOB
Share Price	1.5c
Market Cap	\$42million
Cash	A\$2.0 million

Shareholders

Bunnenberg Family	15.7%
ABC Beteiligungen	7.7%
Directors	1.1%
Top 20	41%
Top 50	49%
No of Shareholders	4,530





1 Year
Share
price

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Forward Plan

2023

Maiden Resource
Scoping Study and PFS start
Environmental Baseline studies
Optimisation

2024

Complete optimisation
Completion of PFS
Qualification Samples
10 tpa Pilot Plant

2025

Complete DFS
Mining Lease Granted?
Qualification Trials

2026

1000 tpa Pilot Plant
Financing
Offtake Agreements



COME WITH US ON THE JOURNEY

- We aim to be one of the lowest-cost producers of HPA globally.
- We have a unique deposit in a Tier 1 Jurisdiction.
- We have a cost-disruptive metallurgical process now in PFS.
- We will build out our capabilities in metallurgy and final product specification.
- We will deliver into a high-margin, growth market with significant upside potential.

Competent Persons Statements

This review of exploration activities and results, the Exploration Target and the metallurgical test work contained in this presentation is based on information compiled by Roland Gotthard, a Member of the Australian Institute of Mining and Metallurgists. He is an employee of Impact Minerals Limited. He has sufficient experience which is relevant to the style of mineralisation and types of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code). Mr Gotthard has consented to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The data in this presentation that relates to Mineral Resource estimates for the Lake Hope Project is based on information evaluated by Mr Simon Tear who is a Member of The Australasian Institute of Mining and Metallurgy (MAusIMM) and who has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the “JORC Code”). Mr Tear is a Director of H&S Consultants Pty Ltd and he consents to the inclusion in the presentation of the Mineral Resource in the form and context in which they appear.

The information in this presentation that relates to the Mineral Resource for the Lake Hope Project is based on information announced to the ASX on 19th June 2023. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcement, and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply.