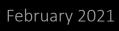


BORATES LIMITED





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COMPETENT PERSON - FORT CADY

The information in this release that relates to Exploration Results and Mineral Resource Estimates is based on information prepared by Mr Louis Fourie, P.Geo of Terra Modelling Services. Mr Fourie is a licensed Professional Geoscientist registered with APEGS (Association of Professional Engineers and Geoscientists of Saskatchewan) in the Province of Saskatchewan, Canada and a Professional Natural Scientist (Geological Science) with SACNASP (South African Council for Natural Scientific Professions). APEGS and SACNASP are a Joint Ore Reserves Committee (JORC) Code (Recognized Professional Organization' (RPO). An RPO is an accredited organization to which the Competent Person (CP) under JORC Code Reporting Standards must belong in order to report Exploration Results, Mineral Resources, or Ore Reserves through the ASX. Mr Fourie has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a CP as defined in the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Fourie consents to the inclusion in this presentation of the matters based on their information in the form and context in which it appears.

The information in this release that relates to the conversion of Mineral Resources to Ore Reserves has been prepared by Tabetha A. Stirrett of RESPEC Consulting Inc. Mrs. Tabetha A. Stirrett, P. Geo of RESPEC Consulting Inc. is a member in good standing of the Association of Professional Engineers and Geoscientists of Saskatchewan (Member #10699) and a member of the American Institute of Professional Geologists (CPG) (#11581). APEGS and CPG are a Joint Ore Reserves Committee (JORC) 'Recognised Professional Organization' (RPO). Mrs. Stirrett has sufficient Experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a CP as defined in the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resource and Ore Reserves. Mrs. Stirrett consents to the inclusion in the release of the matters based on their information in the form and context in which it appears.

COMPETENT PERSON – SALT WELLS

The information in this release that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information prepared by Richard Kern, Certified Professional Geologist (#11494). Richard Kern is a licensed Professional Geoscientist registered with AIPG (American Institute of Professional Geologists) in the United States. AIPGis a Joint Ore Reserves Committee (JORC) Code 'Recognized Professional Organization' (RPO). An RPO is an accredited organization to which the Competent Person (CP) under JORC Code Reporting Standards must belong in order to report Exploration Results, Mineral Resources, or Ore Reserves through the ASX.

Richard Kern has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as a CP as defined in the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Richard Kern consents to the inclusion in the release of the matters based on their information in the form and context in which it appears.



Table of Contents



1. Investment Highlights

American Pacific Borates Limited is an ASX listed company

40.6%

US\$453M

focused on becoming a globally significant specialty fertiliser producer.

Exceptional Project Metrics*

Post-tax, unlevered NPV₈ US\$2.02bn

Post-tax, unlevered IRR

Annual EBITDA

Phase 1A with US\$50m capex fully financed

Ore body previously mined and proven off the shelf process route

Underpinned with by-product credits, logistics and high priced markets on door step

Two major revenue streams reduces reliance on one product

Production targeted for CY21 with construction activities commenced

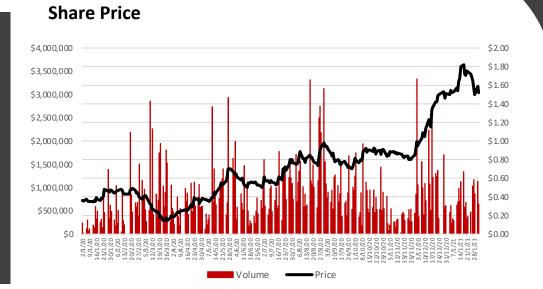
Very few sources of additional supply into growing markets

Life of mine at over 20 years with additional Resource upside

Targeted annual **EBITDA** in full production of US\$453m

2. American Pacific Borates Limited

Corporate Info	rmation	
ASX Ticker		ABR
Share Price at 3 Febru	uary 2021	A\$1.62
Shares on Issue		375.1m
Options (20c - \$1.60 s	strike range)	61.1m
Fully Diluted Shares		436.2m
Undiluted Market Cap.		A\$596m
Cash at Bank – 31 Jan	uary 2021	A\$64.3m
	ABR Management (total)	13%
(fully diluted)	Virtova Capital	12%
	Atlas Precious Metals	11%
·	<u> </u>	



Key Executives

David J Salisbury

Chairman, B.Sc (Electrical Engineering), MBA

David is a qualified electrical engineer with over 40 years' experience in the global mining industry. He is US based and a former Rio Tinto executive who was President and CEO of Resolution Copper Company, Kennecott Minerals Company and Rössing Uranium Limited. He has been directly responsible for the development, construction and production of four mines.

Michael X. Schlumpberger

Managing Director and CEO, BEng (Mining), MBA

Mike is a qualified mining engineer with over 30 years' experience in industrial minerals. His background includes management, operations, and maintenance in all aspects of mining, processing, reclamation, and permitting. He has held senior roles with Potash Corporation of Saskatchewan, Passport Potash, and Highfield Resources, and has worked in the United States, Canada, and Europe.

Anthony Hall

Executive Director, LLB(Hons), BBus, AGIA

Anthony is a qualified lawyer with 20 years' commercial experience in venture capital, risk management, strategy and business development. He was Managing Director of ASX listed Highfield Resources Ltd from 2011 to 2016. During his tenure the company's market cap grew from \$10m to \$500m & over \$140m was raised to progress potash projects in Spain.

Borates are essential for everyday living

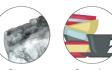
- Borates are naturally-occurring minerals containing boron, the fifth element on the Periodic Table. Boron exists all around us, plants need boron to grow. People need borates too, in our diet as well as in many products necessary as part of our daily lives.
- Boron is classed as a strategic commodity in many countries including the US.

Production of Borates

- Most global production of borates comes from mining and processing colemanite, borax or kernite ores.
- Some production comes from borate rich brines.
- Fort Cady is a colemanite ore body.

Sources of Boron Over 80% of global supply comes from Turkey or California Fort Cady Laguna Salinas Unyuni Sui

Demand for Boron













Fertilisers



Electric Vehicles

Magnets



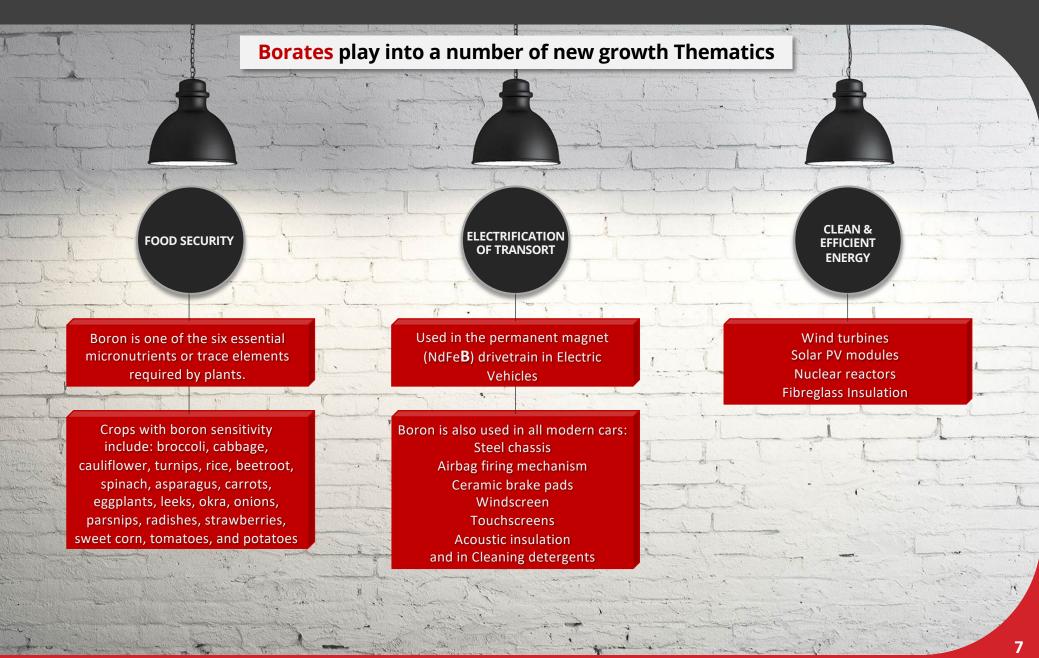
Wood Treatment Fire Retardents





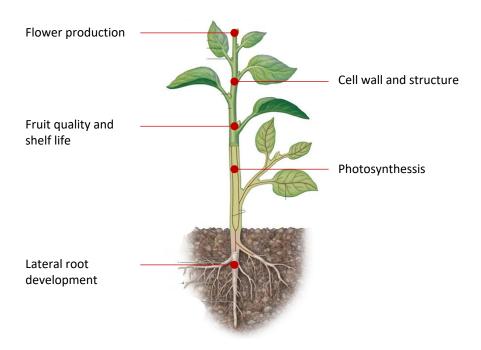
Electrification of Transport

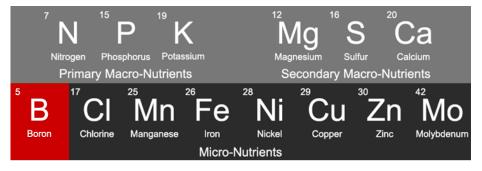
Industrialisation **Food Security**





Functions of Boron in Plants

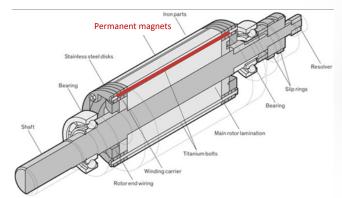




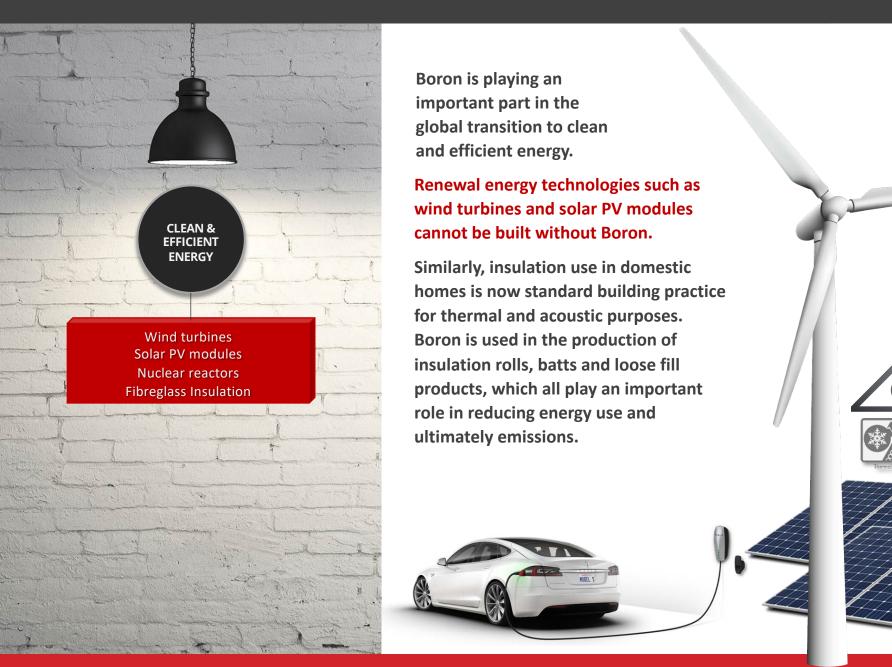


Neodymium magnets (NdFeB) were invented in the early 1980s by General Motors and Sumitomo Special Metals. The companies discovered that by combining neodymium with iron and boron, they were able to produce a powerful magnet.

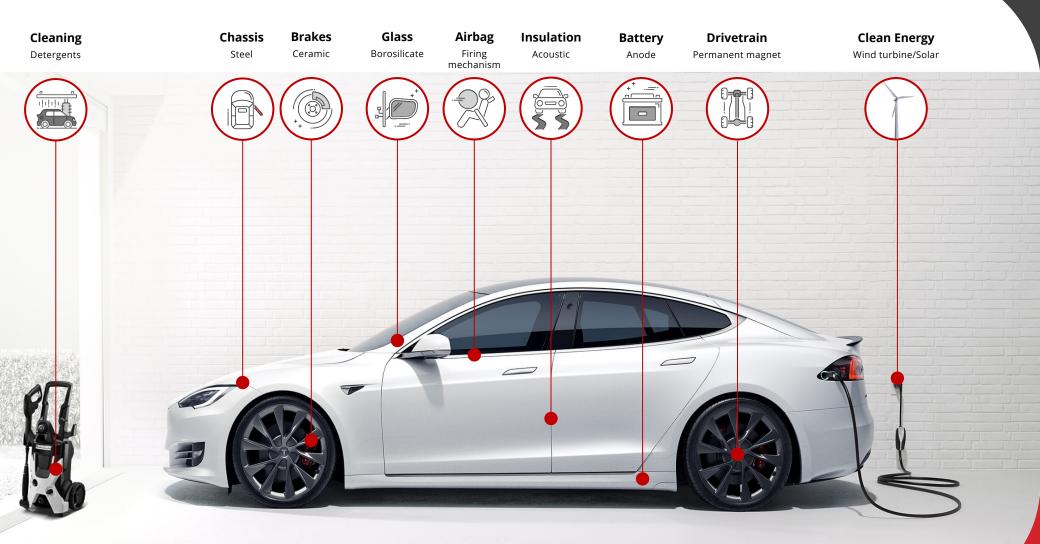
Neodymium magnets are the strongest type of permanent magnet available commercially and continue to be the most widely used type of rare-earth magnet today.







10



Electric Vehicles need Borates

4. SOP

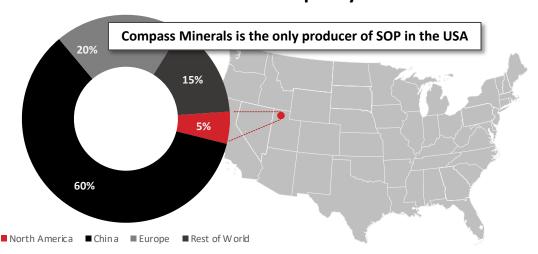
SOP is primarily used as a specialty fertiliser

- SOP, potassium sulfate or K₂SO₄ is a high value specialty fertiliser that combines both potash and sulfur.
- It is applied to crops that are either sensitive to chlorides making MOP or KCl problematic, or in areas where there is minimal rainfall and the build-up of chlorides in the soil is problematic.

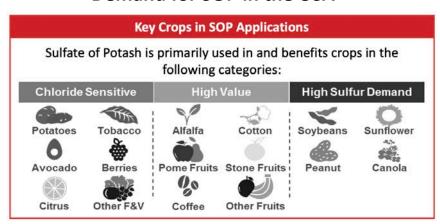
Production of SOP

- SOP is generally produced from Mannheim process that converts MOP and Sulfuric Acid into SOP and HCl, or from near surface aquifer units that contain potassium salts.
- Fort Cady is using the Mannheim process as it requires the HCl for its borate processing.

Global SOP Capacity*



Demand for SOP in the USA*



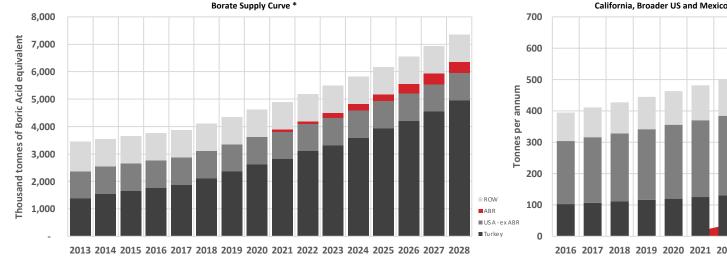
5. Customer Markets

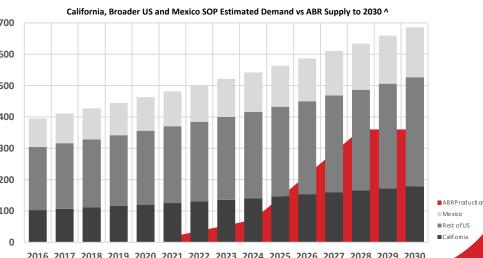
BORATES – Duopoly market with very few global sources of borates

- The global boric acid equivalent market is around 4.5m tonnes per annum. Around 20% of this market is for fertiliser application with boron being the second most consumed micro nutrient in North America by value.
- Turkish Government owned Eti Maden controls the marginal unit of supply and will continue to meet demand.
- Eti Maden appears to be the only borate producer with meaningful additional capacity capable of meeting additional supply requirements.
- Rio Tinto Borates (majority of US production) appears to be operating at full capacity with flat supply for over eight years.

SOP – Growing demand in the North America specialty fertiliser market

- The global SOP market is around 7m tonnes per annum all of which is used in the specialty fertiliser market.
- The US is a net importer of SOP with the market growing at around 5% CAGR. The Californian market is over 120ktpa.
- Compass Minerals is the only US producer of SOP and is one of the highest cost producers in the world, with average operating costs of past five years over US\$630 / tonne.
- There is sufficient increase in demand forecasted to enable ABR and Compass to jointly supply the North American market with ABR's production profile.





6. Fort Cady Borate Mine Overview

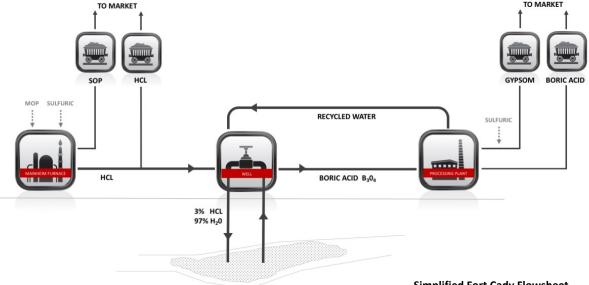
All Products Generated From Well-Established Processing Methods

Boric Acid production:

- High purity product (+99.9%).
- Standard industrial chemical processing methods including solvent extraction and crystallization.
- Zero liquid discharge circuit = no tailings.
- Process optimisation works completed January 2021.

SoP production:

- Mannheim Process (used globally in over 50% of SOP production).
- Well understood, widely used process facility.
- "Off the shelf" equipment.
- Production of hydrochloric acid for use in Boric Acid mining.

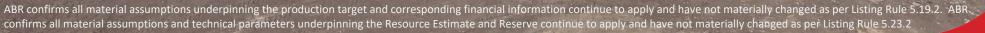


7. Fort Cady February 2021 eDFS*

American Pacific Borates Limited released its enhanced DFS updated in February 2021, with exceptional project metrics:

Fort Cady Borate Mine (Boric Acid and SOP Production)				
Phase 1A Only				
Capex	US\$54.2 million			
NPV ₈	US\$138.5 million			
IRR	24.4%			
EBITDA in first full year of production	US\$12.6 million			
Phase 1	A & 1B Only			
Capex (Phase 1B only)	US\$34.6 million			
NPV ₈	US\$597.9 million			
IRR	46.1%			
EBITDA in first full year of production	US\$49.6 million			
Phase 1A, 1B & 1C Only				
Capex (Phase 1C only)	US\$122.0 million			
NPV ₈	US\$885.2 million			
IRR	36.4%			
EBITDA in first full year of production	US\$81.1 million			
Phase '	1 & 2 Only			
Capex (Phase 2 only)	US\$313.0 million			
NPV ₈	US\$1.889 billion			
IRR	40.2%			
EBITDA in first full year of production	US\$257.3 million			
Full Project (Phases 1, 2, & 3)				
Capex (Phase 3 only)	US\$318.7 million			
NPV ₈	US\$2.021 billion			
IRR	40.6%			
EBITDA in first full year of production	US\$452.7 million			

Production Targets	Enhanced DFS (updated February 2021)		
	Boric Acid (US tons)	SOP (US tons)	
Phase 1A	9,000	20,000	
Phase 1B	-	60,000	
Phase 1C	81,000	-	
Phase 2	180,000	160,000	
Phase 3	180,000	160,000	
Total (All 3 Phases)	450,000	400,000	



7. Fort Cady February 2021 eDFS*

Sensitivity analysis based on US peer operating costs

 Project still has a Post-tax, unlevered NPV₈ of over US\$1.32bn if operating costs of US peers are used as selling price assumptions.

Fort Cady Borate Mine			
BA Received Price Assumption (based on Rio Tinto 5 year average operating costs)	US\$569 / metric tonne		
SOP Received Price Assumption (based on Compass 5 year average operating costs)	US\$633 / metric tonne		
Base Case enhanced DFS (updated February 2021)			
NPV ₈	US\$1.323 billion		
IRR	31.1%		

2018

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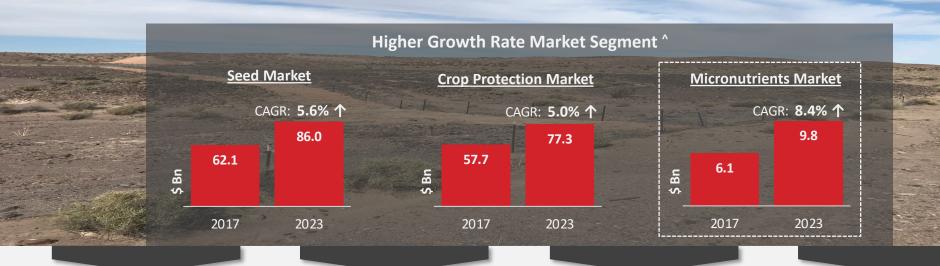
	2013	2010	2017	2018	2019	AVERAGE
	US\$/tonne					
Rio Tinto Borates Operating Cost/tonne BA equiv Annual Production/tonne BA equiv (source: Rio Tinto Annual Reports)	634 822	568 886	565 893	551 884	526 898	569 877
Compass Minerals						
Operating Cost/tonne SOP*	638	640	614	634	639	633
Annual Production/tonne SOP*	282	284	297	328	288	296
(source: Compass Annual Reports)						

^{*} Compass Minerals reports operating costs for all North American fertilisers. The significant majority of specialty fertiliser production is SOP. As a result, it is assumed that the reported operating costs are a reasonable proxy for SOP production.

AVERAGE

7. Fort Cady February 2021 eDFS

Additional new drivers of value to the Project



Options to bring forward production and potentially deliver additional phases concurrently.

Targeted total cash costs in full production of negative US\$83.61 per ton of boric acid after byproduct credits.

Multiple revenue streams with revenue split in full production estimated to be:

- 52.6% boric acid;
- 44.7% SOP; and
- 2.7% gypsum.

Potential upside with focus on high value specialty fertiliser mix of boron and SOP.

8. Market Entry Strategy

Right sized, structured and phased project

Modest Initial BA

Initial production of boric acid only 9kstpa to be used as an enabler for larger contracts.

Phased Approach

Growth plan with a pathway to over 450kstpa of boric acid and 400kstpa of SOP.



8. Brand Strategy Development

Early alignment of product branding with customer markets

- Company is expecting to sell five key products
 - Boric acid for industrial use
 - Boric acid for agricultural use
 - SOP
 - "boron-enriched" SOP
 - gypsum
- Branding strategy completed, with Fort Cady California Corp created as ABR's sales and marketing business
- Corporate presence work commenced
- Crop trials for Boron-enriched SOP delivered a doubling of yield in Broccoli
- Initial target market is the Californian speciality fertilizer market



9. Visible Initial Revenues

Phase 1A fully funded with construction underway









Organisational Capability

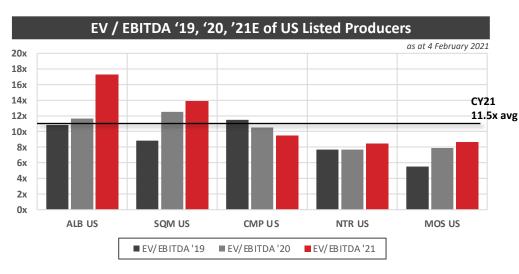
- Philosophy continues to be modest owners' team to manage construction managers
- Ongoing recruitment of key staff with a focus on operational readiness

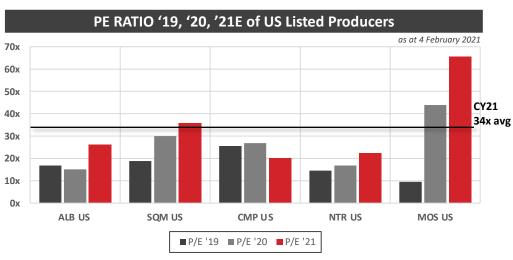
Construction Ramping Up

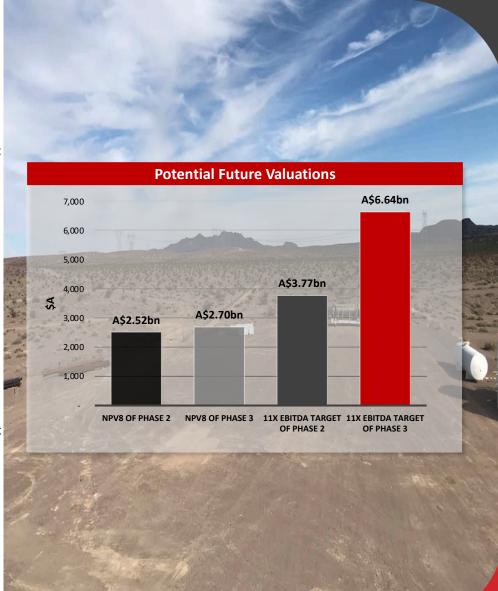
- First production remains on track for Q3, CY2021
- Water and energy infrastructure in place
- Equipment continues to arrive on site

First Production targeted Q3 CY21

10. What does success look like?







ABR confirms all material assumptions underpinning the production target and corresponding financial information continue to apply and have not materially changed as per Listing Rule 5.19.2. ABR confirms all material assumptions and technical parameters underpinning the Resource Estimate and Reserve continue to apply and have not materially changed as per Listing Rule 5.23.

11. Fort Cady February 2021 eDFS (Key Metrics)*

Key Financial Metrics for the Fort Cady Borate Mine by Phase

Fort Cady Borate Mine (Boric Acid and SOP Production) ¹			
Phase 1A Only			
Capex	US\$54.2 million		
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Summary of Production by Phase for the Fort Cady Borate Mine

Production Targets	Enhanced DFS (updated February 2021)		
	Boric Acid (US tons)	SOP (US tons)	
Phase 1A	9,000	20,000	
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Phase 2	180,000	160,000	
Phase 3	180,000	160,000	
Total (3 Phases)	450,000	400,000	

Operating Cost Estimates BA

Phase 3			
US\$ per metric tonne of BA			
C1 Costs			
Utilities	80.76		
Consumables	320.49		
Labour	43.53		
Maintenance	33.21		
Sustaining Capex	12.00		
Wellfield Development	25.00		
Other	10.82		
(SOP by-product credit)	- 577.78		
(HCl by-product credit)	- 3.74		
(Gypsum by-product credit)	- 35.30		
Total C1 Costs	- 91.01		
C2 Costs			
Licensing and Royalties	6.26		
Depreciation	93.63		
Total C2 Costs	99.89		
C3 Costs			
G&A	8.90		
Total C3 Costs	8.90		
Total Opex	17.78		
Cash Costs			
Total Cash Costs	- 75.85		

Operating Cost Estimates SOP

. •				
Phase 3				
US\$ per metric tonne of SOP				
C1 Costs				
Utilities	90.85			
Consumables	360.55			
Labour	48.97			
Maintenance	37.36			
Sustaining Capex	13.50			
Wellfield Development	28.13			
Other	12.18			
(BA by-product credit)	- 765.44			
(HCl by-product credit)	- 4.20			
(Gypsum by-product credit)	- 39.71			
Total C1 Costs - 217.8				
C2 Costs				
Licensing and Royalties	7.04			
Depreciation	105.33			
Total C2 Costs	112.37			
C3 Costs				
G&A	10.01			
Total C3 Costs	10.01			
Total Opex	- 95.44			
Cash Costs				
Total Cash Costs	- 200.77			

¹ ABR confirms all material assumptions underpinning the production target and corresponding financial information continue to apply and have not materially changed as per ASX Listing Rule 5.19.24

12. Summary

American Pacific Borates Limited is an ASX listed company

focused on becoming a globally significant specialty fertiliser producer.

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Post-tax, unlevered IRR

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Two major revenue streams reduces reliance on one product

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Significant Strategic Value

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Multi generationa

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