

Advancing an Exciting Near Surface Lead-Silver-Zinc Project in Western Australia. Company Presentation – June 2020







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The Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the 'JORC Code') sets out minimum standards, recommendations and guidelines for Public Reporting in Australasia of Exploration Results, Mineral Resources and Ore Reserves and Ore Reserves.

The information in this report that relates to Mineral Resources is based on, and fairly reflects, information compiled by Mr David Williams, a Competent Person, who is an employee of CSA Global Pty Ltd and a Member of the Australian Institute of Geoscientists (#4176). Mr Williams has enough experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as Competent Person as defined in the 2012 Edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources, and Ore Reserves (JORC Code). Mr Williams consents to the disclosure of information in this report in the form and context in which it appears.

The information in this release that relates to Exploration Results is based on information prepared by Dr Simon Dorling. Dr Dorling is a member of the Australasian Institute of Geoscientists (Member Number: 3101). Dr Dorling 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 Competent Person as defined in the 2012 Edition of the JORC Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Dr Dorling consents to the inclusion in the release of the matters based on their information in the form and context in which it appears.

All parties have consented to the inclusion of their work for the purposes of this announcement. The interpretations and conclusions reached in this presentation are based on current geological theory and the best evidence available to the authors at the time of writing. It is the nature of all scientific conclusions that they are founded on an assessment of probabilities and, however high these probabilities might be, they make no claim for absolute certainty. Any economic decisions which might be taken on the basis of interpretations or conclusions contained in this announcement will therefore carry an element of risks.

CORPORATE SNAPSHOT (5 JUNE 2020)



SHARE PRICE

ISSUED SHARES

2,890 M

MARKET CAP

A\$ 20.2 M

ENTERPRISE VALUE

A\$ 17.1 M

CASH (June 8)

A\$ 3.1 M

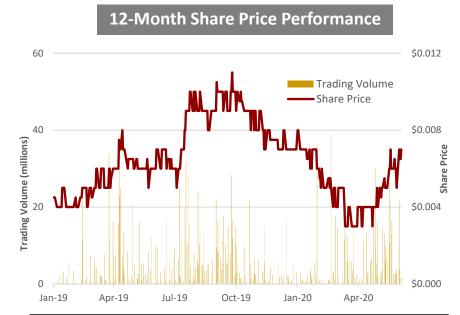
OPTIONS

450 M

Company Highlights

- ✓ ASX-listed base metal explorer and **developer**.
- Experienced Board and Management with a proven track record in exploration and development.
- ✓ Based and focused in Western Australia, relatively unaffected by COVID-19 pandemic.
- ✓ Partnered with China's largest lead smelting and silver producer Sorby Hills JV.
- ✓ Low market cap with very significant upside.
- ✓ Rare ASX exposure to Silver in a strong market for precious metals.
- ✓ Top 20 shareholders hold 50% of issued capital.

Unlisted Options: 26.5M expiring 21/11/20 and exercisable at \$0.015. 10M expiring 16/10/21 and exercisable at \$0.020. Performance Options: 62.5M Expiring 30/06/22 zero priced Listed Options: 351M expiring 21/11/20 and exercisable at \$0.015.



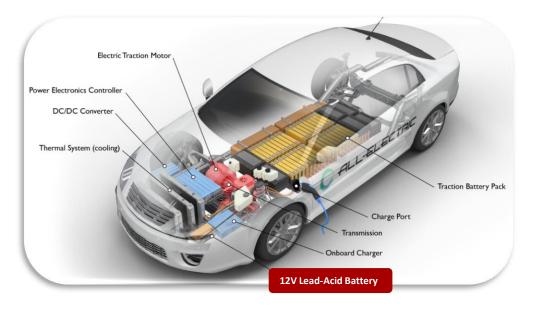
Top Shareholders	
1. VILLIERS QUEENSLAND PL*	12.33%
2. ZERO NOMINEES PL	5.54%
3. AIGLE ROYAL SUPER FUND PL*	5.19%
3. CRAIG CHAPMAN*	5.19%
4. CITICORP NOMINEES PL	4.38%
5. EQUITY TRUSTEES LTD <lowell a="" c="" fund="" resources=""></lowell>	2.24%
*Denotes merged holders.	

THE CASE FOR LEAD



Lead Batteries Support Clean Energy Transition

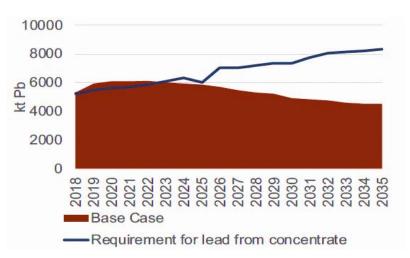
- Lead batteries are a key element in the transition to a low carbon economy, with unrivalled sustainability credentials².
- 50% of all new vehicles will have stop-start technology by year end and will contain 25% more lead³.
- Electric Vehicles use a separate lead battery to run their battery management and safety systems.



Supply and Demand

- Lead batteries provide 75% of worldwide rechargeable energy storage².
- Predicted growth in global lead market demand CAGR of 6.74% between 2018 and 2022¹.
- Short-term refined lead stock is close to record lows.
- Base case for mined lead shows deficit from 2023 without new mine supply.

Base Case Mined Lead Production vs. Demand⁴



¹Business Wire (<u>www.businesswire.com/news/home/20180803005303/en/Global-Lead-Market-Analysis-Trends-Forecasts-2018-2022</u>

² ILZSG May 2019 Presentation 'Importance of Zinc to the Circular Economy.' ³ The Assay Group Mining Magazine (<u>https://www.theassay.com/articles/lead-5-things-to-look-for-in-2019</u>) ⁴ Source: ASX: G1A Feb 2019 Origin: Wood Mackenzie



SORBY HILLS LEAD-SILVER-ZINC PROJECT Western Australia

Pacifico Minerals Ltd



Reaching key investment catalysts with Optimised PFS and Ore Reserve planned for completion in July 2020.

- ✓ Partnered with lead and silver heavyweight to develop the Project (Pacifico 75%, Henan Yuguang 25% contributing).
- ✓ Large, near-surface Pb-Ag-Zn deposit in a Tier 1 Jurisdiction.
- Key approvals secured, significantly derisking future development.
- ✓ Located **close to existing infrastructure**.
- ✓ Simple, well-understood, geology and metallurgy.

- Compelling economics including modest CAPEX, fast payback.
- ✓ Recent substantial Mineral Resource upgrade to underpin Optimised PFS in Q2 2020.
- Potential to become a long life, high margin lead and silver producer.
- ✓ Outstanding exploration upside.



PROJECT OVERVIEW

Approvals

- Granted mining tenements.
- **Ministerial and WA Environmental Protection Authority** ('**EPA**') approval for an open pit mine and infrastructure.
- Pre-native title tenements.

Location and Infrastructure

- ~50km north-east from the regional centre of Kununurra, Western Australia.
- Existing sealed road to transport concentrate from site to the facilities at Wyndham Port.
- Wyndham Port is already shipping metal concentrates.
- Established infrastructure allows for fast tracked production.

Tenements

- Five mining licences totalling 42 km² (PMY 75%)
- One exploration licence covering 217 km² (PMY 100%)







PMY ASX Announcement 29 May 2019.

MINERAL RESOURCE ESTIMATE



- Global Resource of 44.1 Mt @ 4.5% Pb equivalent¹ (3.3% Pb, 38g/t Ag) and 0.5% Zn from 20 m below surface and open along strike and down dip².
- Resource size and confidence level substantially increasing with each drilling program.

JORC MINERAL RESOURCE ESTIMATE AT A 1.0% LEAD CUT-OFF GRADE ¹						
Classification	Tonnes (Mt)	Pb %	Ag g/t	Zn %	Pb Equivalent %	Pb Equivalent Metal (Mt)
Measured	7.1	4.3	57	0.4	6.1	0.43
Indicated	13.7	3.3	31	0.4	4.3	0.59
Inferred	23.4	3.0	36	0.5	4.2	0.98
Total	44.1	3.3	38	0.5	4.5	1.99

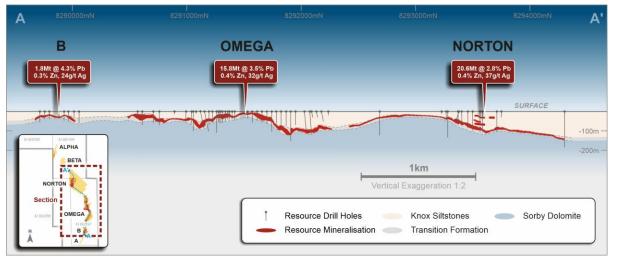
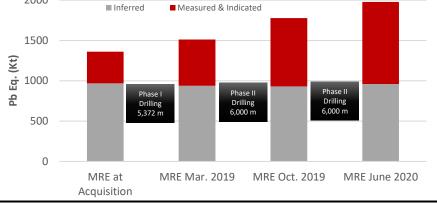
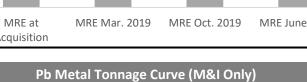


Image: Long section looking west. Red blocks represent mineralisation from the MRE block model.

¹Zn is not included. Refer to appendix for equivalent calculations. ²Source: PMY ASX Announcement 2 June 2020.

Resource Growth Since Oct. 2018 Acquisition (Pb Eq. Only at 1.0% Cut Off) 2000





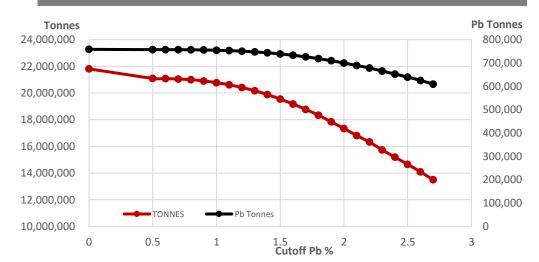
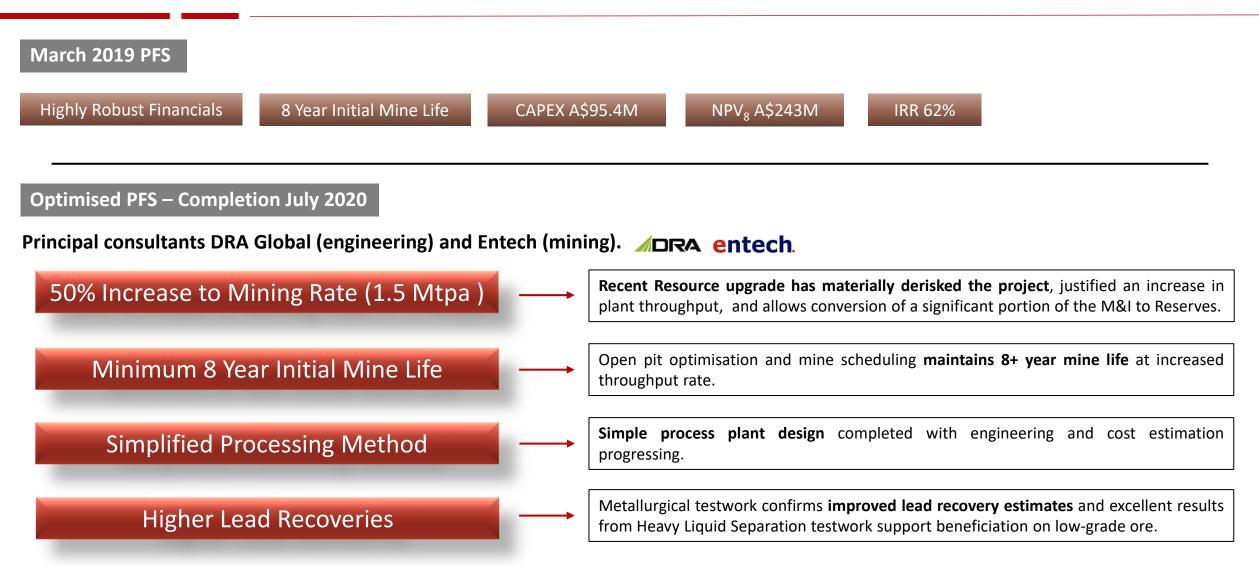


Image: Resource only marginally susceptible to a change in cut-off grade demonstrating impressive robustness.

PRE-FEASIBILITY STUDY ('PFS') HIGHLIGHTS





All material assumptions underpinning the production target, or the forecast financial information referenced on 26 March 2019, continue to apply and have not materially changed. PFS assumptions include lead price US\$0.92/lb, silver price US\$15.40/oz and A\$1=US\$0.70. PMY ASX announcements 26 March 2019 (March PFS), 30 April 2020 (Op PFS).

MINING, METALLURGY, AND PROCESSING



Open pit mining, high recoveries and simple processing to produce high quality concentrate.

Mining

- Initial 8-year production from shallow to medium depth open pits.
- Near-surface, shallow-dipping, ore body enables low cost pre-strip and access to ore.
- Flat topography and easy free dig in first 18m.
- Waste rock to be returned to pits to reduce waste dump footprint and rehabilitation.

Metallurgy

- Optimised PFS testwork confirmed average metal recoveries of 93% Pb and 85% Ag.
- Cleaner concentrate grade of 62.0% Pb.
- Dense Media Separation ('DMS') beneficiation effective on low grade ore with Pb upgrade ratio of 2.7 and 70% mass rejection.

Processing

- Single stage SAG mill selected for direct flotation feed material and DMS product
- Coarse galena with primary grind size of 125um.
- Simple flotation with two stages of cleaning and no re-grind.
- Two flowsheet options being considered:
 - 1. Whole ore 1.5Mtpa mill feed; and
 - Whole ore 1.275Mtpa and DMS 2.225Mtpa mill feed.











DRILLING SUCCESS



Pacifico's drilling has materially increased confidence in ore body geometry, grade, and continuity, resulting in the Omega and Norton deposits with a combined strike length of over 4 km.

Noteworthy Expansion and Infill Drilling Intercepts

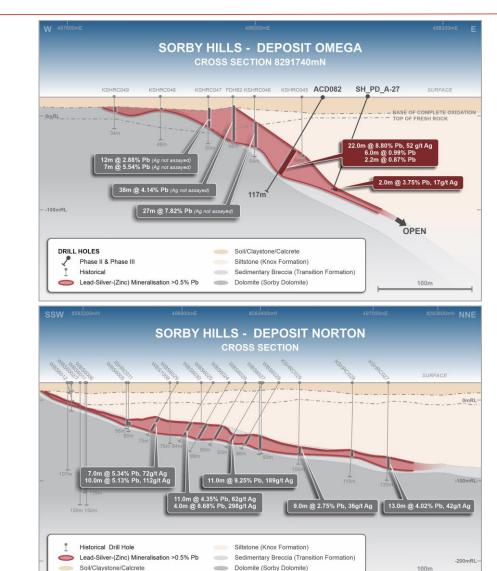
- **22.0m at 8.8% Pb, 52g/t Ag, 0.3% Zn** from 68m (ACD082).
- **20.0m at 7.3% Pb, 56g/t Ag, 0.4% Zn** from 11m (ACD046).
- 11.7m at 10.8% Pb, 105 g/t Ag, 0.4% Zn from 75.7m (AF005).
- 14.0m at 13.0% Pb, 89g/t Ag, 1.0% Zn from 24m (ACD080).
- **21.0m at 5.0% Pb, 21g/t Ag, 0.5% Zn** from 23m (ACD056).

- 23.0m at 9.0% Pb, 88g/t Ag, 1.2% Zn from 59m (ACD071).
- 21.0m at 5.0% Pb, 21g/t Ag, 0.5% Zn from 23m (ACD056).
- 10.0m at 7.16% Pb, 383g/t Ag, 0.43% Zn from 110m (SHPDA31).
- 10.0m at 6.6% Pb, 53g/t, Ag 0.9% Zn from 92m (Norton - Al010).
- 12.3m at 5.5% Pb, 42g/t, Ag 0.2% Zn from 90m (Norton - Al011).



Image: Semi massive galena replacement. ACD080, 32.8m. Part of an interval 25.7m to 37.9m (12.2m) of well mineralised core consisting of strong galena (metallic grey), some pyrite and minor sphalerite.

PMY ASX announcements 14 February 2019, 6 May 2019, 14 August 2019, 12 September 2019 and 30 January 2020.



EXPLORATION UPSIDE AND NEXT STEPS



M 80/196

NORTON

Norton Extension

Norton - Omega Link

OMEGA

M 80/197

Exploration Upside

- Gravity provides the best vectors and has identified several high priority targets for extensions of mineralisation. Mineralisation correlates with the transition from linear gravity lows to gravity highs.
- **Pacifico holds all unrestricted exploration property** surrounding the Pincombe Inlier, laying the foundation • for a long-term future with an additional 30 km strike length of near-surface prospective horizon.

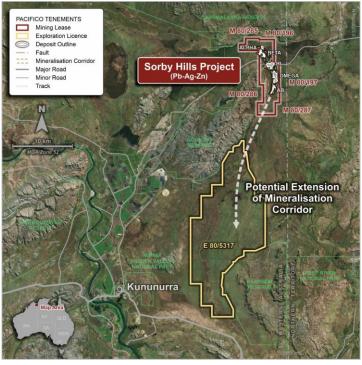


Image: PMY 100% owned E80/5317 to the south of the Sorby Hills JV Project.

Potential to become a long life, high margin lead and silver producer.

Next Steps

Planned drilling is expected to confirm continuity between Norton and Omega deposits.

M 80/285

ALPH/

BETA

Norton Extension

Wildcat Target

Target/Extension of Resource

0

Gravity Survey

Omega Extension

B Extension

- Extension of the gravity survey to cover full tenement package inc. recently acquired E80/5317.
- Four recent wildcat drillholes confirmed continuity of shallow mineralisation which is a priority target for follow up diamond drilling – **possible link to Norton**.



PROJECT DEVELOPMENT STRATEGY AND KEY TAKEAWAYS

On track to become a significant lead-silver-zinc producer in Western Australia.

	CY2020				CY2021	
	Q1	Q2	Q3	Q4	Q1	Q2
Optimised PFS						
Ore Reserve Estimate						
DFS and Expansion Drilling						
Definitive Feasibility Study						
Financing and Offtake Process						
Decision to Mine						

Key Takeaways

- ✓ Strong board and management team.
- ✓ Key approvals secured, significantly derisking future development.
- Partnered with lead and silver heavyweight to develop the Sorby Hills Project.
- ✓ Tier 1 Jurisdiction, close to existing infrastructure.

- ✓ Compelling economics including modest CAPEX and fast payback.
- ✓ Simple, well-understood geology and metallurgy.
- Reaching key investment catalysts with upcoming Optimised PFS and Ore Reserve in July 2020.
- Low market cap with substantial upside and rare ASX exposure to Silver in a strong precious metals market.
- ✓ Offtake and financing discussions underway.



CONTACT US

Simon Noon – Managing Director
L1, 105 St Georges Tce, Perth WA 6000
61 8 6268 0449
<u>info@pacificominerals.com.au</u>
<u>www.pacificominerals.com.au</u>
Research Coverage by Andrew Clayton from Euroz



APPENDICES A-F



BOARD AND MANAGEMENT



Experienced Board and Management with a proven track record in exploration and development.



GARY COMB Chairman

Engineer with over 30 years' experience in the Australian mining industry, with a strong track record in successfully commissioning and operating base metal mines.



Simon Noon Managing Director and CEO

Experienced executive with a strong background in strategic management, business planning, finance, capital raising and securing and operating joint ventures with mid to top tier miners in a variety of commodities.



Richard Monti Non-Exec. Director

Geologist with over 30 years' experience in technical, commercial, marketing and finance within the exploration and mining industry.



Andrew Parker Non-Exec. Director

Lawyer with extensive experience in the exploration and mining industry. Wealth of expertise in corporate advisory, strategic consultancy and vast experience in raising capital.

TECHNICAL TEAM	
KEVIN REYNOLDS Project Manager	Experienced metallurgist and project development manager of 30 years, covering mining and metallurgical operations, project development, process development, feasibility studies and project execution.
SIMON DORLING Exploration Manager	Geologist with more than 26 years' experience in exploration, development and the mining of base metals, precious metals, energy minerals and industrial minerals.



Cut-Off Grade Pb%	JORC Classification	Tonnes (Mt)	Pb %	Zn %	Ag g/t
1.0	Measured	7.1	4.3	0.4	57
	Indicated	13.7	3.3	0.4	31
	Inferred	23.4	3.0	.5	36
	Total	44.1	3.3	.5	38
	Measured	6.9	4.4	.4	58
1.5	Indicated	12.7	3.4	.4	32
1.5	Inferred	19.8	3.3	.5	38
	Total	39.3	3.5	.5	40
	Measured	6.4	4.6	.4	61
2.0	Indicated	11.0	3.7	.4	35
2.0	Inferred	15.6	3.7	.6	41
	Total	32.9	3.9	.5	43
2.5	Measured	5.7	4.9	.4	64
	Indicated	8.9	4.0	.5	37
	Inferred	11.6	4.2	.6	46
	Total	26.2	4.3	.5	47



The contained metal equivalence formula is based on the published London Metal Exchange closing metal prices of 29 May 2020.

- Lead Price US\$ 1,615.50/t;
- Silver Price US\$ 17.87/oz;
- Lead recovery of 93.5% (weighted average of oxide/transition and fresh recoveries); and
- Silver recovery of 83.7% (weighted average of oxide/transition and fresh recoveries).

It is Pacifico's opinion that all elements included in the metal equivalent calculation have a reasonable potential to be recovered and sold. The formula used to calculate lead equivalent grade is:

$Metal \ Eq \ (percent) = G_{pri} + (G_{pri} \times [\sum_{i} R_{i} S_{i} V_{i} G_{i}] / (R_{pri} S_{pri} V_{pri} G_{pri}))$

where **R** is the respective metallurgical metal recovery rate, **S** is the respective smelter return rate, **V** is metal price/tonne or ounce, and **G** is the metal commodity grade for the suite of potentially recoverable commodities (**i**) relative to the primary metal (**pri**).

Metal equivalents are highly dependent on the metal prices used to derive the formula. Pacifico notes that the metal equivalence method used above is a simplified approach. Only preliminary metallurgical recoveries are available. The metal prices are based on average LME prices of 29 May 2020 and do not reflect the metal prices that a smelter would pay for concentrate nor are any smelter penalties or charges included in the calculation.

Owing to limited metallurgical data, zinc grades are not included at this stage in the lead equivalent grade calculation.

CAPITAL INVESTMENT AND OPERATING COSTS



Sorby Hills Lead-Silver-Zinc Project March 2019 PFS

PRE-PRODUCTION CAPITAL EXPENDITURE (A\$M)			
On-site Capital Expenditure	52		
EPCM	8		
Owner's Project Costs	10		
Mining (inc. de-watering, pre-strip)	14.9		
Contingency	10.5		
Total Pre-Production CAPEX	95.4		

OPERATING COST ESTIMATES					
	A\$/lb	US\$/lb			
Mining	0.31	0.22			
Processing	0.11	0.07			
TCRCs and Outbound Logistics	0.16	0.11			
General and Admin	0.01	0.01			
By-Product Deduction - Net Silver Revenue	-0.36	-0.25			
Lead C1 (rounded up)	0.24	0.16			
Royalties Payable	0.09	0.06			

Pacifico confirms that all material assumptions underpinning the production target, or the forecast financial information referenced on 26 March 2019, continue to apply and have not materially changed. PFS assumptions include lead price US\$0.92/lb.; Silver price US\$15.40/oz and A\$1=US\$0.70. PMY ASX Announcement 26 March 2019.

LEAD MARKET OPPORTUNITY – DEMAND BY APPLICATION

- Automotive batteries are the largest sector of demand accounting for more than 86% of refined lead (of which 64% is used in replacement batteries)¹.
- Automotive demand expected to boost lead battery production across 2019². Car ownership in China alone reached 240M units by the end of 2018 up 10.5% from 2017.
- Lead-acid has a role in the electrification of bikes. Each year there are roughly 15M e-bikes sold in China alone.
- **Growing use of lead in industry for energy storage systems.** Australia alone was tipped to add over 70,000 home batteries in 2019 due to government subsidies and incentives³.
- Rollout of 5G networks supports demand for lead as base stations currently use lead batteries¹. In China alone base station production rose by 134% in 2018⁴.

¹SMM Information & Technology Co Ltd 2018 (<u>https://news.metal.com/newscontent/100847146/smm-price-forecast-conference-2019:-slowing-demand-new-capacity-to-grow-lead-supply-surplus/</u>)

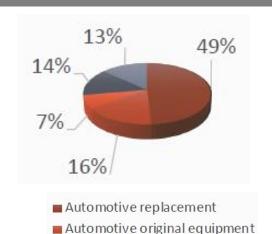
²Wood Mackenzie January 2019 Report 'Lead: 5 things to look for in 2019.'

Industrial traction

Industrial stationary
 Non-battery uses

³ The Assay Group Mining Magazine (<u>https://www.theassay.com/articles/lead-5-things-to-look-for-in-2019/</u>)

⁴ RenewEconomy (<u>https://reneweconomy.com.au/australia-tipped-to-add-70000-home-batteries-in-2019-lead-global-demand-64414/</u>)



Lead Consumption By Sector



APPENDIX E







Exploring opportunities to sell or establish Joint Ventures for our non-core assets to realise shareholder value.

BORROLOOLA WEST JOINT VENTURE (NORTHERN TERRITORY)

- Joint Venture Project in the McArthur Basin with Sandfire Resources NL (PMY 51%, SFR 49%).
- Potential for Mt Isa style copper-cobalt-zinc.

SOUTH AUSTRALIA TENEMENTS

• Prospective for battery minerals (Co, Cu, Mn).

COLOMBIAN PROJECTS

• Berrio, Urrao and Natagaima Projects are highly prospective for the discovery of economic copper-gold deposits.

