


LITHIUM – MADE IN THE USA

Powering America's Clean Energy Transition

 Nasdaq:PLL

 ASX:PLL







ABN 50 002 664 495

September 2020

LiOH

OUR PURPOSE

To provide the domestic lithium required for America's transition to a clean energy future

	Founded in 2016 – Headquartered in Belmont, NC, USA
PLL	Listed on NASDAQ and ASX – Symbol PLL
	Plan to Produce Lithium Hydroxide from Spodumene
	Ideally Located to Address China's Market Dominance
	World-Class Business in Scale and Economics
	Strong Cash Position
	Trading at Steep Discount to NPV and Peer Group

CORPORATE SNAPSHOT

PIEDMONT LITHIUM LIMITED



Shares / ADRs (1 ADR = 100 Shares)	11.5 M	1,155.3 M
Price (@ 8/28/20)	\$6.05	A\$0.09
Average Daily Trading Volume (30-day)	\$620,000	A\$103,000
Market Cap (@ 8/28/20) ¹	\$69 M	A\$99 M
Cash (@ 6/30/20) ¹	\$26 M	A\$36 M

¹ – Pro forma for the placement which closed 8/4/20

KEY SHAREHOLDERS

Australian Super	13%
Fidelity	9%
Officers and Directors	8%
United States ADR Program	24%

BOARD OF DIRECTORS

Ian Middlemas	Australia	Chairman
Keith D. Phillips	USA	President & CEO
Anastasios Arima	USA	Director
Jeff Armstrong	USA	Director
Jorge Beristain	USA	Director
Levi Mochkin	Australia	Director

RESEARCH COVERAGE

CANACCORD Genuity



FOSTER STOCKBROKING



A Division of Fidelity Financial Management, Inc.
Member NYSE, FINRA & SIPC

THE PIEDMONT VALUE PROPOSITION

<p>Electric Vehicle Demand Accelerating</p>	<ul style="list-style-type: none"> ▪ Electric vehicle (EV) penetration projected to grow from ~3% to ~30% by 2030 ▪ EV equities are at all-time highs as investors price in the electrification mega-trend
<p>EVs Require Lithium</p>	<ul style="list-style-type: none"> ▪ Volkswagen describes lithium as the ‘irreplaceable element of the electric era’ ▪ Other materials can vary but a relatively stable lithium content is required in all Li-ion batteries
<p>Lithium Hydroxide is Taking Share</p>	<ul style="list-style-type: none"> ▪ Lithium hydroxide (LiOH) is required for high-nickel batteries in longer-range vehicles ▪ LiOH demand expected to grow 21% per year through 2040
<p>Spodumene the Preferred Feedstock</p>	<ul style="list-style-type: none"> ▪ Piedmont will produce LiOH from spodumene, the feedstock preferred by western OEMs ▪ Piedmont has a large, high-grade spodumene resource on the Carolina Tin-Spodumene Belt
<p>OEMs Seeking Ex-China Supply</p>	<ul style="list-style-type: none"> ▪ China produces ~83% of the world’s lithium hydroxide ▪ Piedmont is developing the only conventional lithium project in the United States
<p>World-Class Project</p>	<ul style="list-style-type: none"> ▪ Project is world-class in terms of scale and economics with NPV of \$1.1B for integrated project ▪ Business model is uniquely scalable given US location and global availability of spodumene
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LITHIUM HYDROXIDE...FROM SPODUMENE...IN THE UNITED STATES

ELECTRIFICATION IS A GLOBAL MEGA-TREND

- **EVs are superior vehicles**

- Smoother, quieter, faster

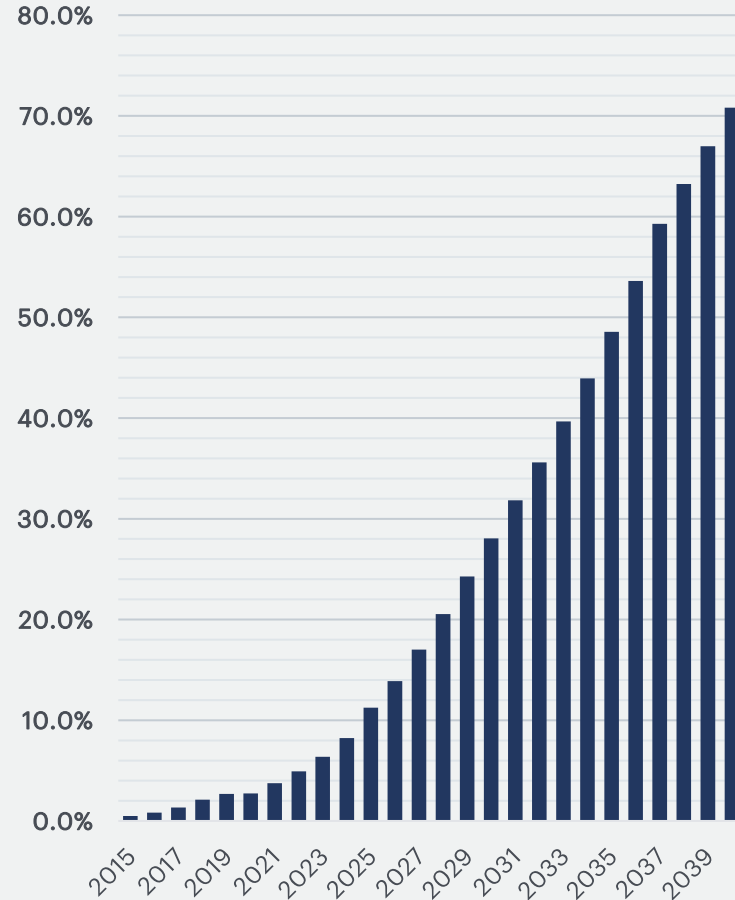
- **EVs reduce emissions**

- 2/3 lower greenhouse gas emissions vs. ICEs

- **EVs are lower cost**

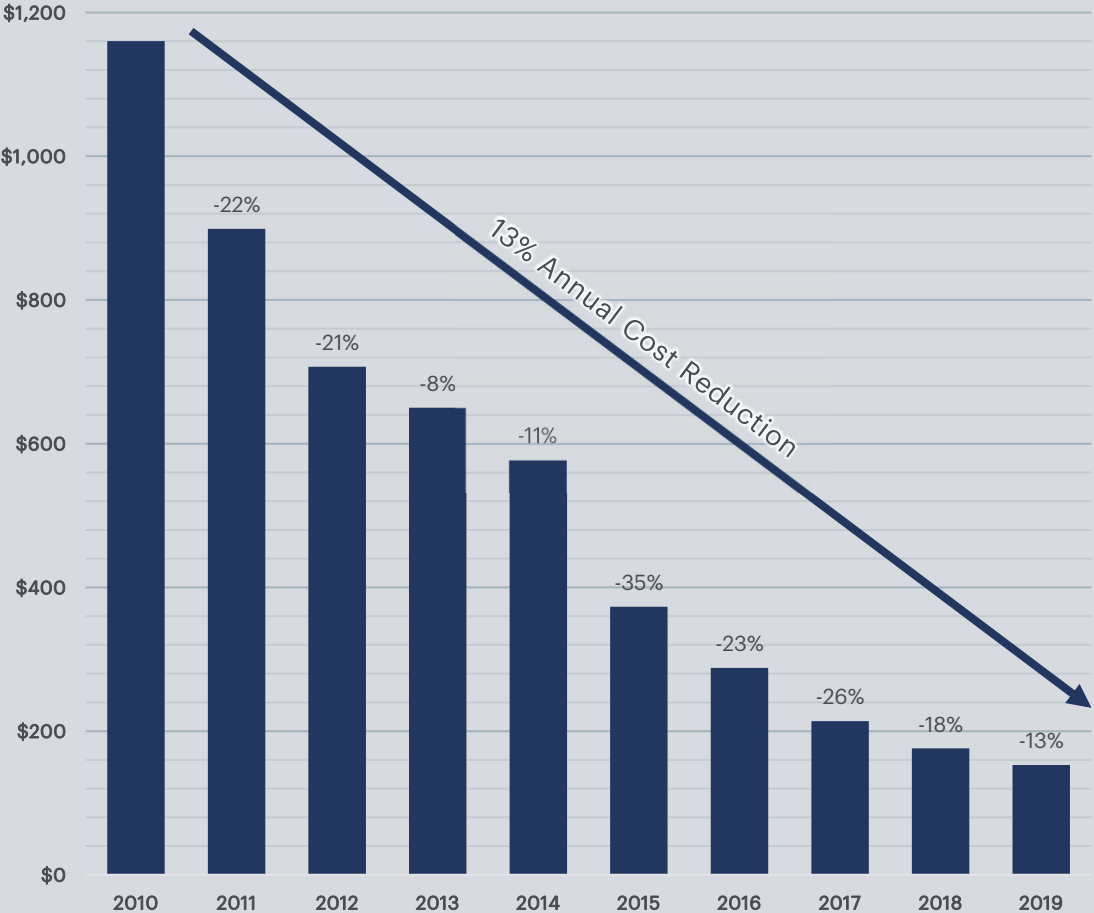
- Far cheaper to fuel and maintain

ELECTRIC VEHICLE PENETRATION

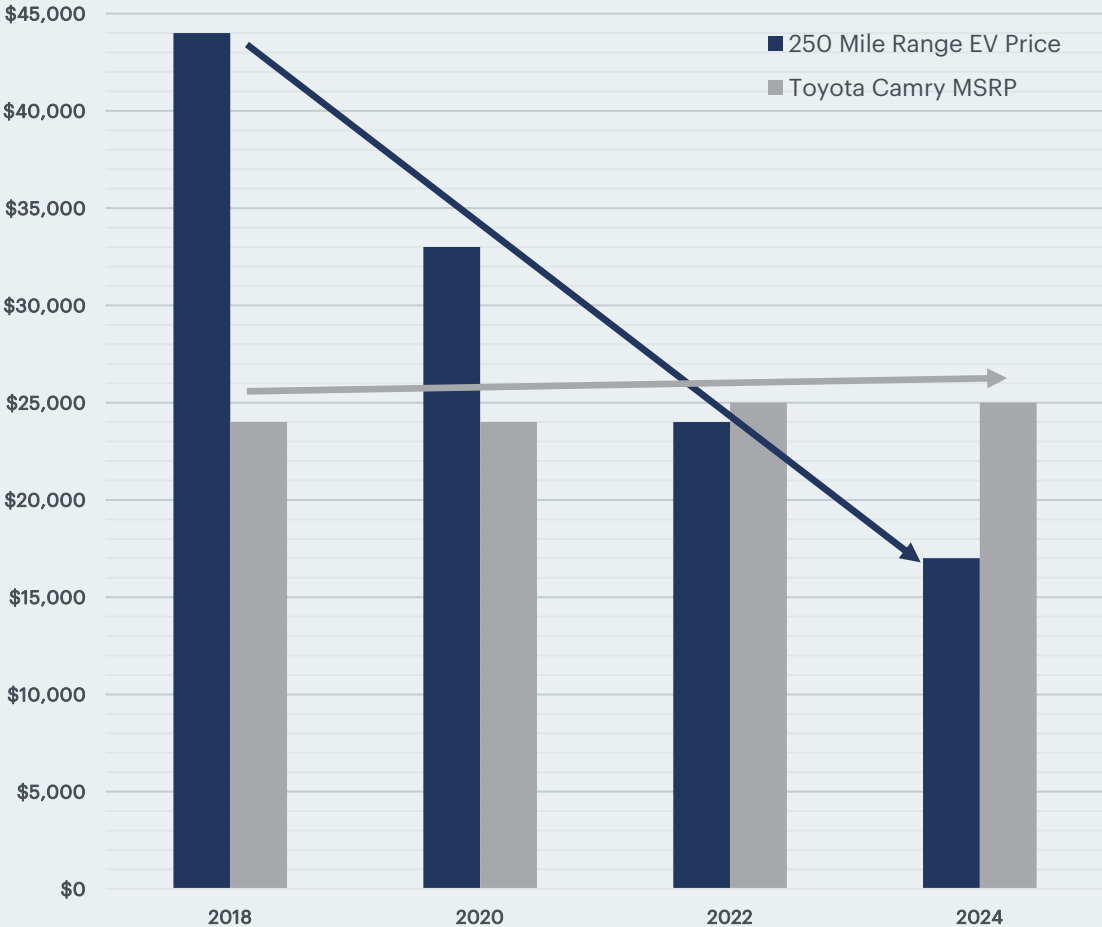


EV DEMAND IS DRIVEN BY ECONOMICS

LI-ION BATTERY COSTS DOWN 87% SINCE 2010
(PACK PRICE - REAL 2019 \$/KWH)



EV SELLING PRICES PROJECTED TO FALL DUE TO LOWER BATTERY COSTS

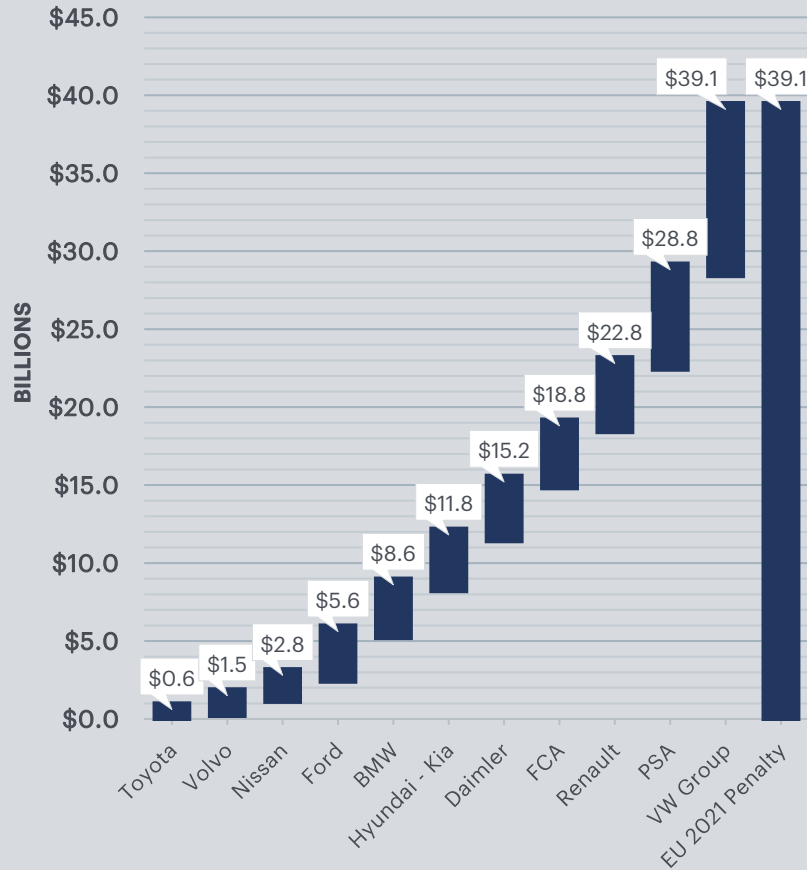


5 Source: Bloomberg New Energy Finance <https://about.bnef.com/blog/behind-scenes-take-lithium-ion-battery-prices>

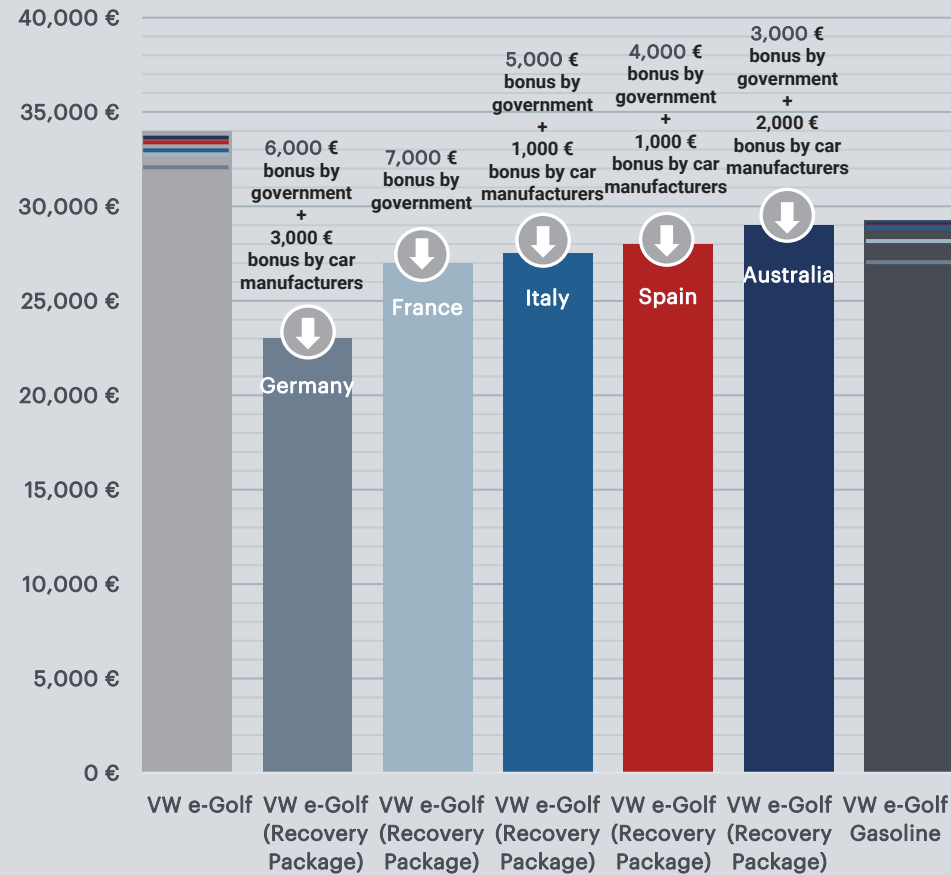
Source: ARK Innovation – Big Ideas 2020

SUPPORTIVE POLICY DRIVING EUROPEAN EV SALES

EU CO2 EMISSIONS PENALTIES 2021



4 YEAR CONSUMER OWNERSHIP COSTS



EV SALES GROWTH IN EUROPE

	JUNE 2020	YTD 2020	YTD 2019	YTD CHANGE
Sweden	26%	26%	11%	136%
Netherlands	16%	13%	9%	78%
Other	11%	11%	6%	83%
United Kingdom	10%	8%	2%	400%
France	9%	9%	2%	350%
Germany	9%	8%	3%	200%
AVERAGE	8%	8%	3%	167%
Belgium	7%	7%	3%	133%
Austria	6%	6%	3%	100%
Italy	3%	3%	1%	200%
Spain	3%	3%	1%	200%
Poland	1%	1%	0%	100%

SUPPORTIVE POLICIES IN THE USA

America's Clean Energy Transition Demands A Mining Boom

American Government takes Disruptive Steps through the ORE Act to end Chinese Control of Rare Earths, Cobalt, Graphite, Lithium and Manganese

Biden plan would broaden EV tax credit, include Cash for Clunkers reboot

US Army plans for an EV future

California Passes Historic Clean Truck Rule

Governor Murphy Affirms Electric Vehicle Rebate Eligibility Effective as of January 17, 2020

Trump administration pushing to rip global supply chains from China: officials

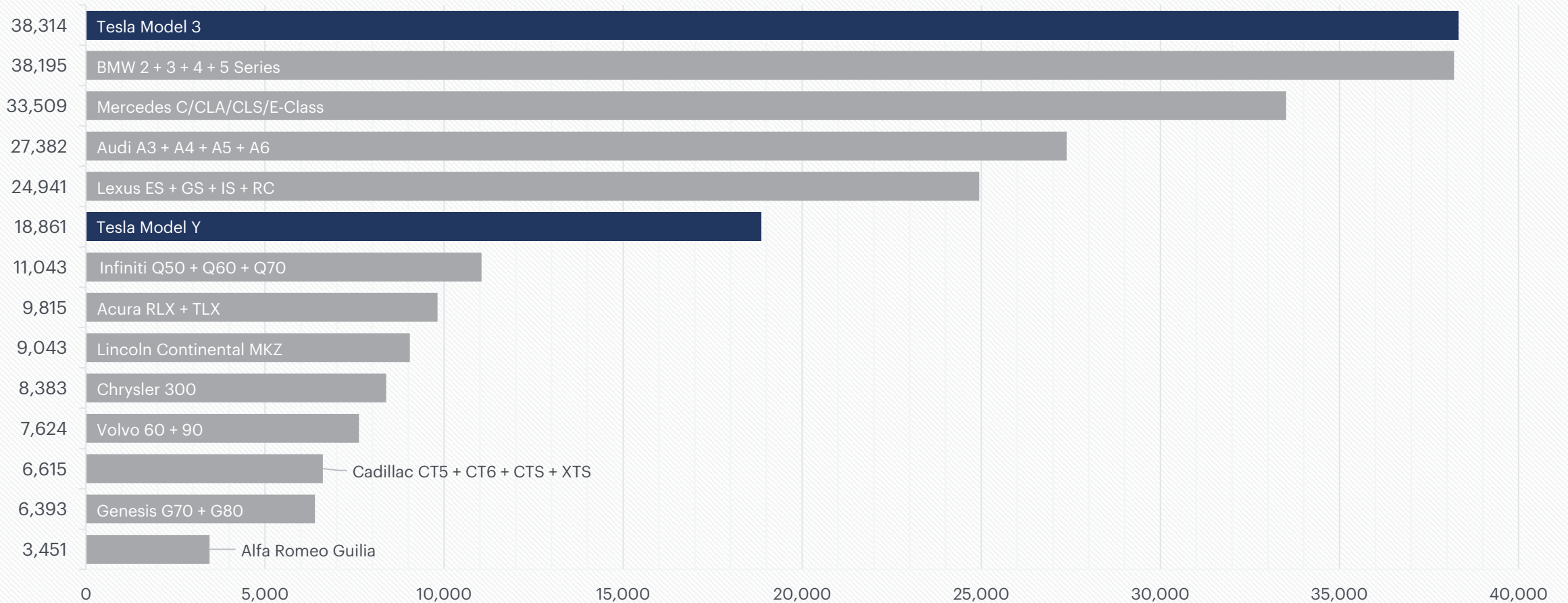
Murkowski, Manchin, Colleagues Introduce Bipartisan Legislation to Strengthen America's Mineral Security

SWALWELL & RESCIENTHALER LAUNCH NEW BIPARTISAN CONGRESSIONAL CRITICAL MATERIALS CAUCUS

Waltz Introduces Bill to Reduce U.S. Dependence on China for Critical Minerals

TESLA MODEL 3 THE #1 SELLER IN THE UNITED STATES

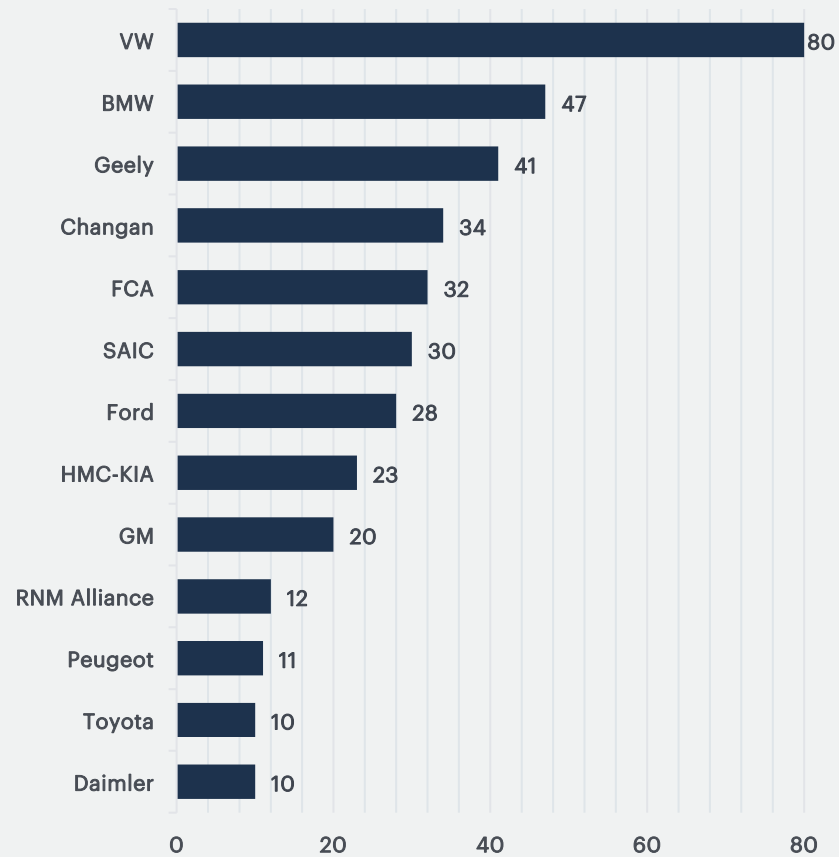
SMALL + MIDSIZE LUXURY CAR SALES - H1 2020



IT'S NOT JUST TESLA

- Major auto companies are all-in on electric vehicles
 - 400+ new EV models coming to market by 2025
- Mass market vehicles coming for the first time
 - Ford to produce electric F-150 "before 2022"
 - VW ID.3 launching in 2020
 - Renault producing \$9,000 EV for Indian market

OF EVS LAUNCHED BY 2025



Source: Bloomberg New Energy Finance Electric Vehicle Outlook 2019



VW ID.3
(2020)



Mustang MachE
(2021)



Rivian Trucks
(2022)



Porsche Taycan
(2020)

EQUITY MARKETS ARE PAYING UP FOR EV EQUITIES

- **EV equities outperforming**

- TSLA and others up >200% ytd

- **EVs dominating the SPAC market**



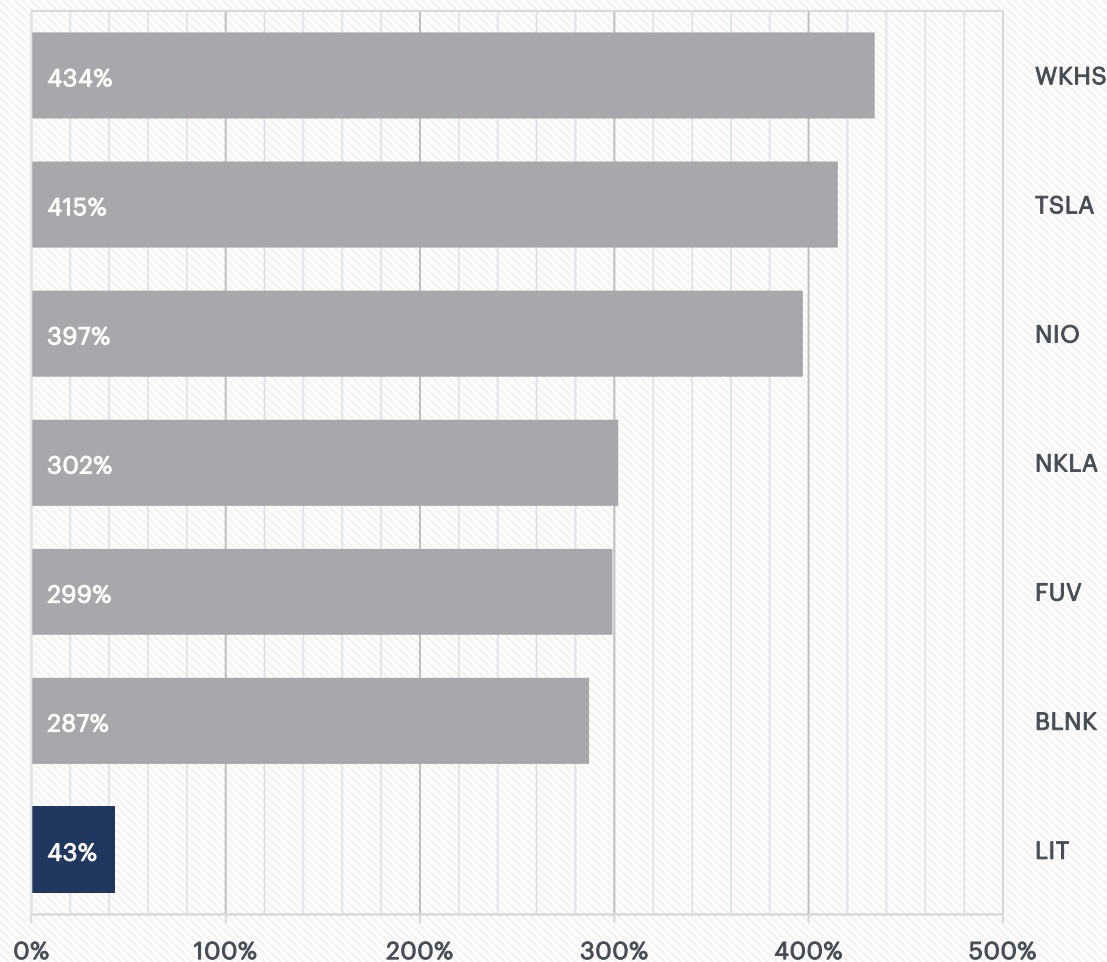
- **Private capital investing aggressively**

- Rivian has raised \$5.35B in past 18 months

- **Battery raw materials stocks lagging**

- LIT ETF up only 40% ytd, largely driven by TSLA

YTD SHARE PRICE PERFORMANCE

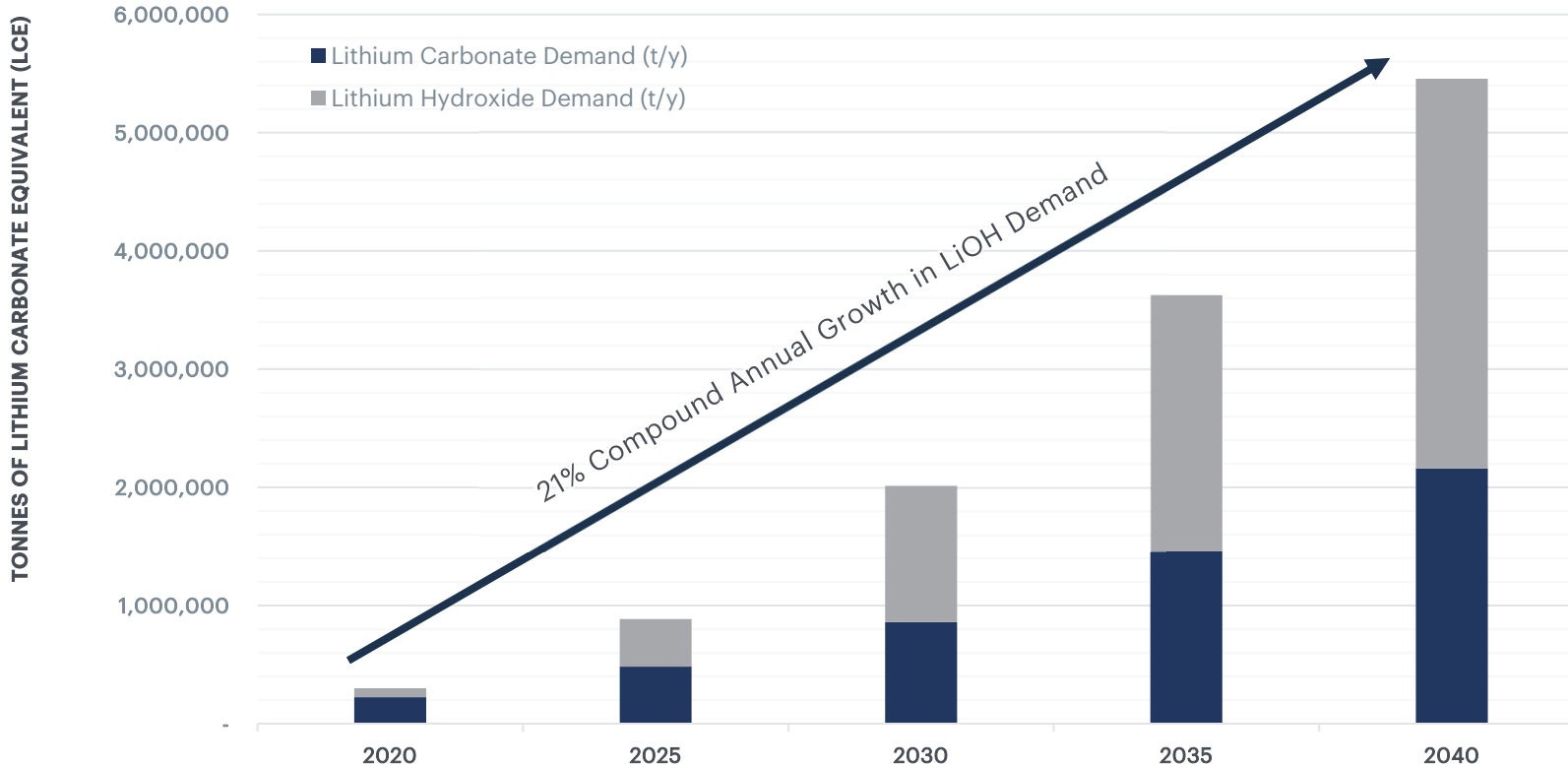


YOU CAN'T HAVE EVs WITHOUT LITHIUM

“LITHIUM: THE IRREPLACEABLE ELEMENT OF THE ELECTRIC ERA” (vw)



LITHIUM CHEMICAL DEMAND 2020-2040



Source: Benchmark Mineral Intelligence

LITHIUM

is the lightest and most energy-dense metal, making it ideal for energy storage applications

LITHIUM HYDROXIDE

is required in the high-nickel cathode materials used in longer-range EVs

LiOH SHORTAGES

are expected by 2023

CHINA

Produces the vast majority of the world's lithium hydroxide

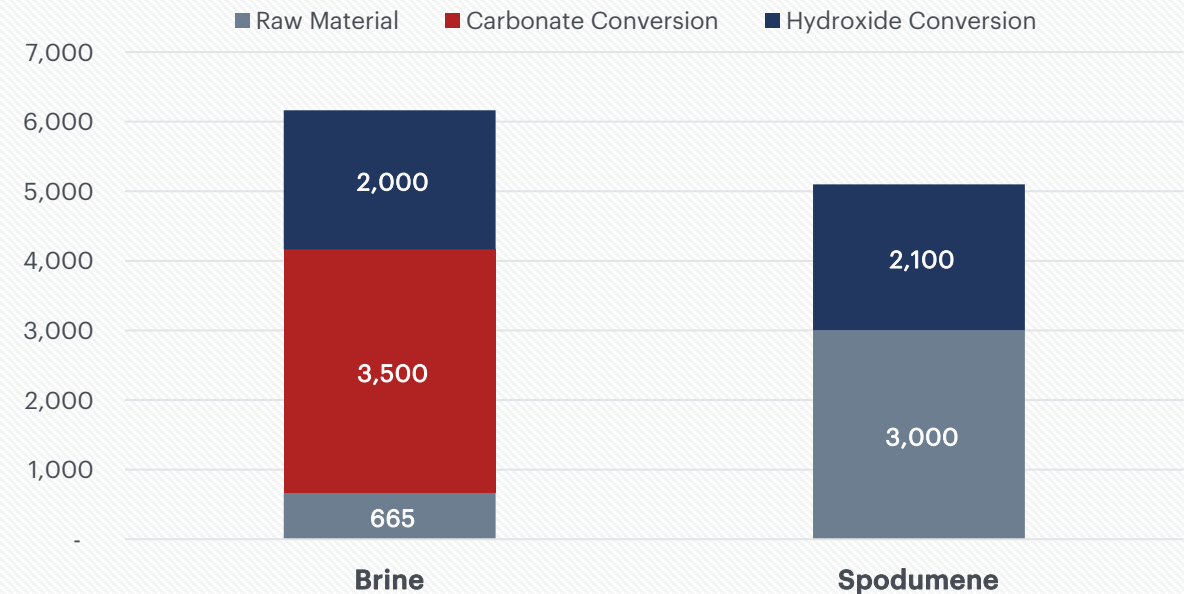
SPODUMENE THE PREFERRED FEEDSTOCK

MAJOR AUTO COMPANIES PREFER SPODUMENE-SOURCED HYDROXIDE

“Lithium extracted from mining ... is commercially more attractive ... more stable to extract, easier to scale and generally more sustainable.” VW – April 2019

“BMW signs contract with Ganfeng for sustainable lithium from mines in Australia.” BMW – November 2019

SPODUMENE IS THE LOW-COST SOURCE FOR LITHIUM HYDROXIDE



Source: McKinsey & Co., costs represent indicative 2025 costs for typical South American brine operations and typical Western Australian spodumene operations.

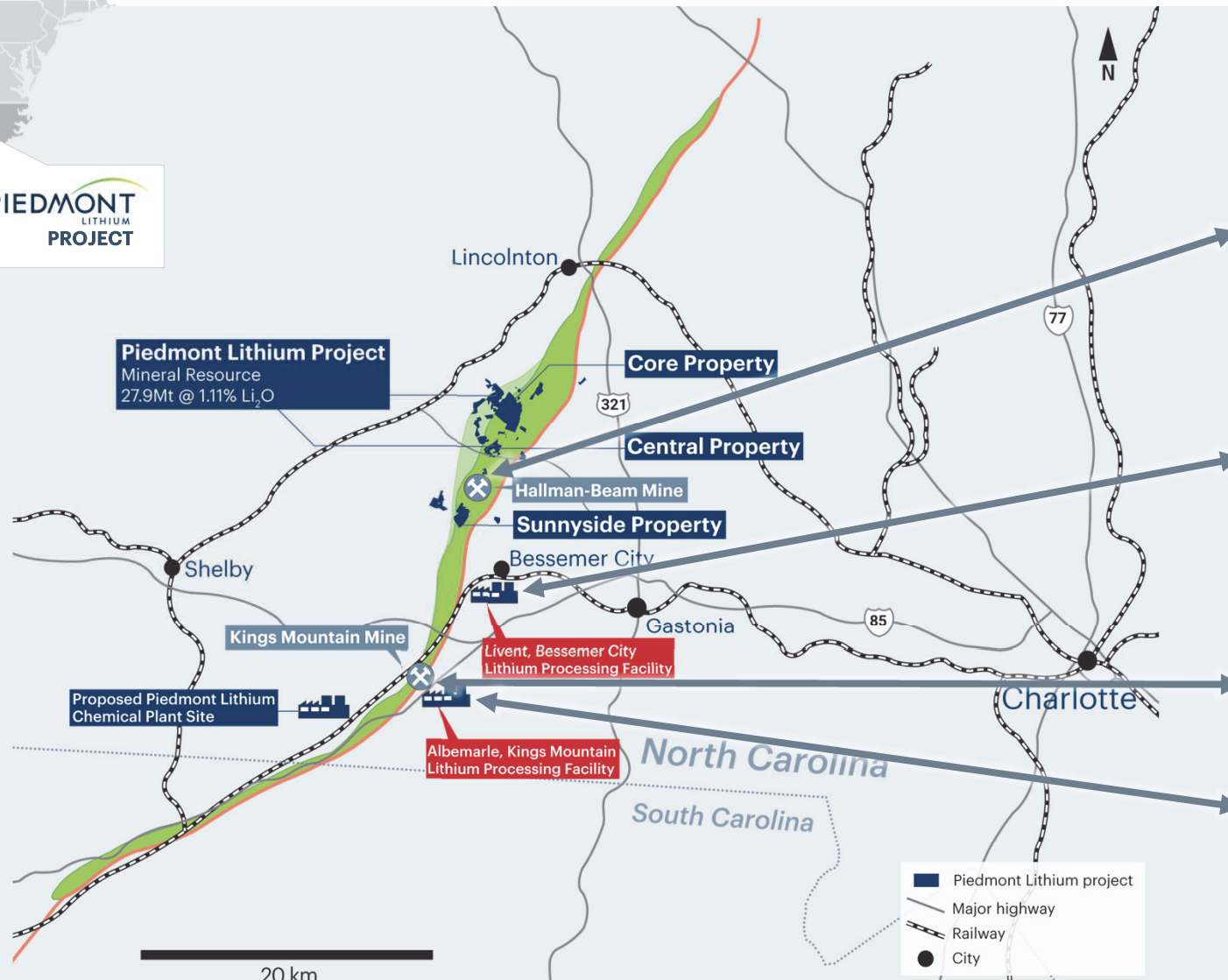


**PIEDMONT IDEALLY
LOCATED IN THE
USA'S AUTO ALLEY...**

...AND CLOSE TO EUROPE'S GROWING BATTERY SUPPLY CHAIN



NORTH CAROLINA - THE CRADLE OF THE LITHIUM INDUSTRY



PLL

#1

US State for Business (Forbes)

0%

State Mining Royalties

23%

Corporate Tax Rate

~100%

of World Lithium Production from 1950s to the 1980s

TWO COMPLEMENTARY DEVELOPMENT SCENARIOS



MERCHANT

Spodumene Supply
from the Market

Capacity of 22,700 t/y LiOH

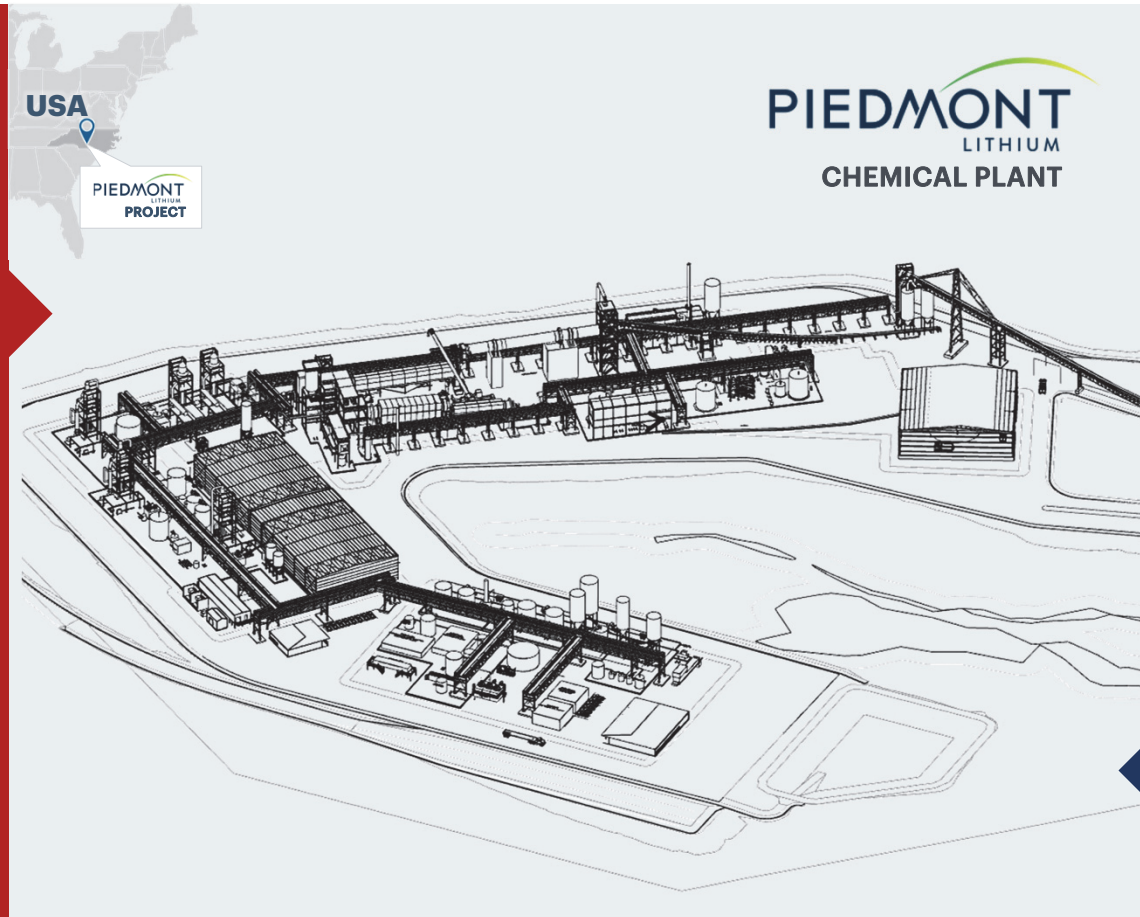
25 Year Chemical Plant Life

World's Lowest Cost Merchant Producer²

\$714M NPV – 26% IRR¹

\$149M run rate EBITDA¹

Initial Capex – \$377M¹



INTEGRATED

Spodumene from Piedmont
Mine / Concentrator

Capacity of 22,700 t/y LiOH

25 Year Mine & Chemical Plant Life

World's Lowest Cost Producer²

\$1.1B NPV – 26% IRR¹

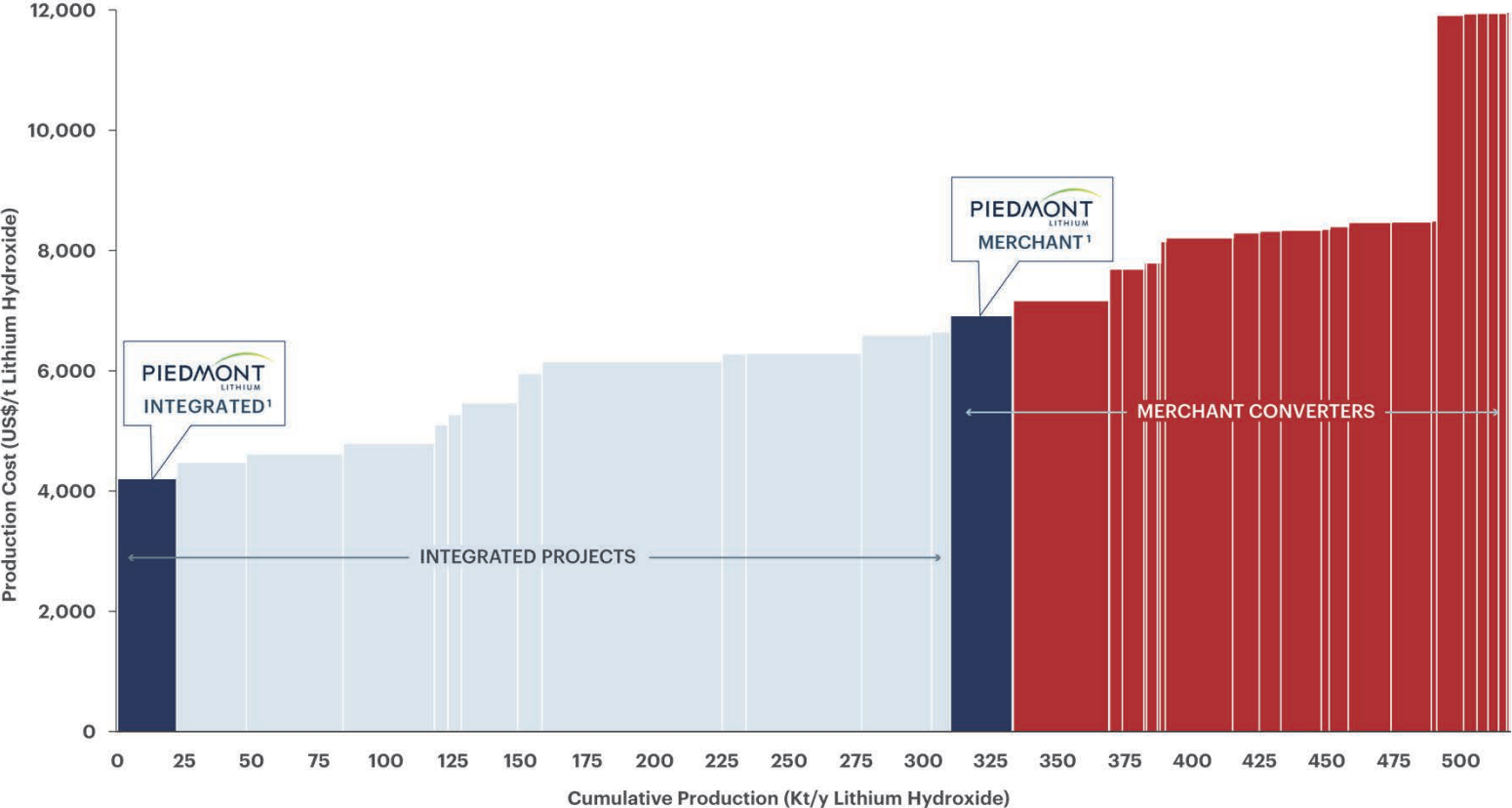
\$218M run rate EBITDA¹

Initial Capex - \$545M¹

1. Source: Estimated values previously announced in Company announcement "Chemical Plant PFS Demonstrates Exceptional Economics and Optionality of USA Location" dated May 26, 2020

2. Based on Roskill's forecasted 2028 all-in sustaining cost curve for lithium hydroxide production

NORTH CAROLINA LOCATION DRIVES LOW PRODUCTION COSTS



LOW COST

Production due to Local Work Force, Low Power and Gas Costs, and Minimal Royalties

INTEGRATED

Businesses Generally Lower Cost due to Consumption of Internally Produced Raw Material

MERCHANT

Businesses Pay Retail for 3rd Party Concentrate. Piedmont Expects to have Lower Power and Gas costs vs. Chinese competitors and is not Subject to the 13% VAT Chinese Producers pay on LiOH Exports

1. Source: All-in sustaining cost estimates previously announced in Company Announcement "Chemical Plant PFS Demonstrates Exception Economics and Optionality of USA Location" dated May 26, 2020 and from Roskill 2028 All-In Sustaining Cost Curve (Roskill)

WHERE WOULD YOU RATHER BE?



- 40% Royalties
- Active Government
- 'War for Water' likely to limit growth in lithium production



- *Kirchnerist* Economics
- Hyperinflation
- 8% Export Tax



- High Cost Power and Transport
- Tight Labor Market
- No automobile assembly or cathode / battery supply chain



- 83% of LiOH production in 2019
- Imported Raw Materials
- 13% VAT on exports



- Low Costs & Taxes
- Large Market
- Critical Material

POSITIVE ESG PROFILE



Clean Energy Product Portfolio

- Lithium fuels EVs, reducing emissions two-thirds vs. internal combustion engines
- Quartz by-product targeted at growing solar glass market



OEMs Prefer Hard Rock for Sustainability

- Preference for spodumene vs. brine from a sustainability perspective
- Brine projects under pressure due to impact on water supply



Short Transport Distances

- 20-mile SC6 transport for integrated business vs. ~5,000 from Australia to China
- Potential 98% reduction in 'mine-to-EV' supply chain



Green Mining

- 100% of electricity will come from low-carbon sources
- No toxic chemicals or tailings impoundment; electric mining fleet being evaluated

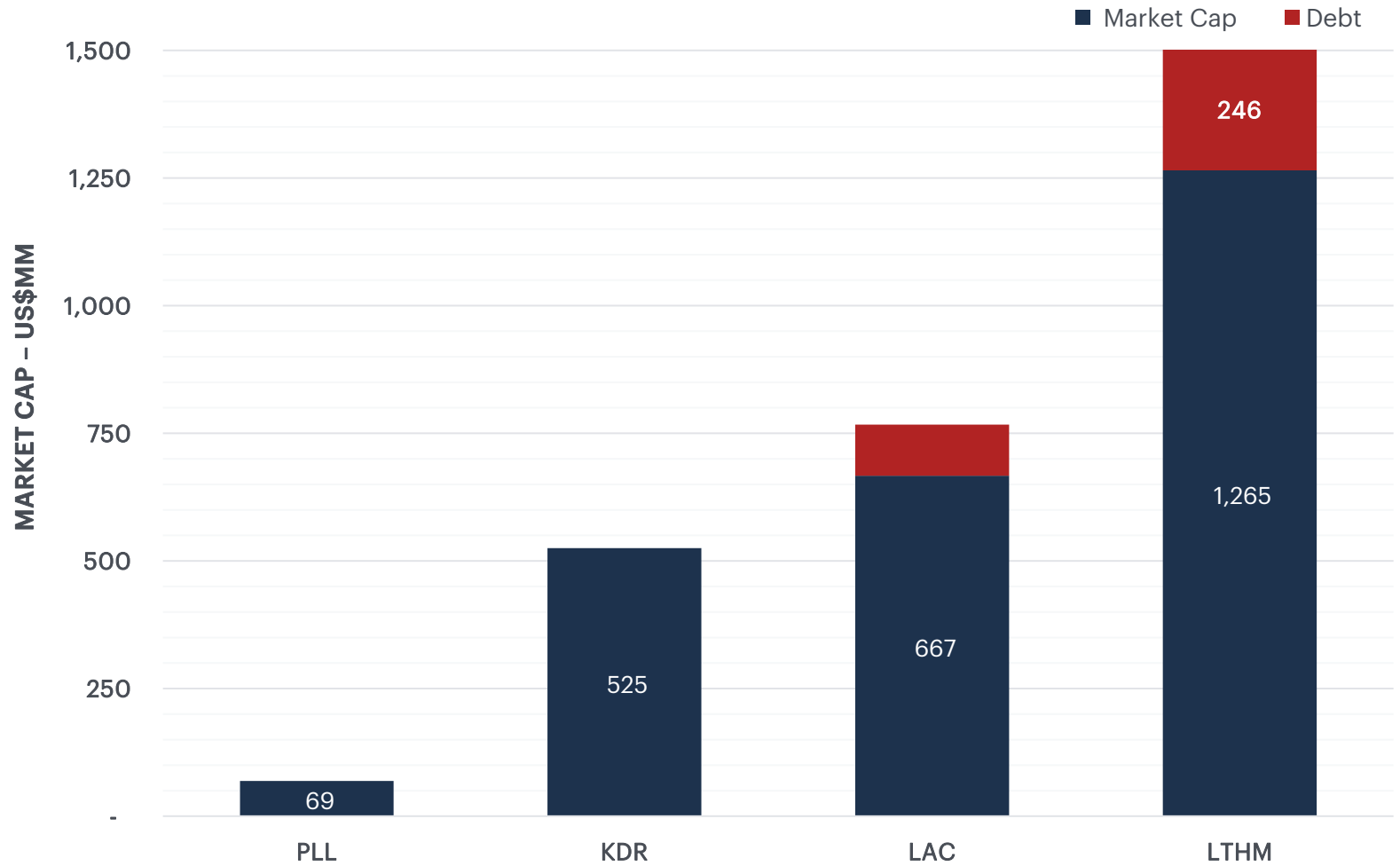


Social

- First-world labor and environmental practices
- USA safety standards

CATALYSTS TO DRIVE SHAREHOLDER VALUE

- Key Accomplishments
 - Build core leadership team
 - First-mover land position on TSB
 - Mineral Resource of 27.9Mt at 1.11% Li₂O
 - Section 404 permit received
 - PFS demonstrating strong economics
 - Bench scale LiOH testwork
 - US IPO to fund to construction decision
- Milestones for the Next 12 Months
 - Drill to expand mineral resources
 - Launch definitive feasibility studies
 - Pilot plant metallurgical studies
 - Permit Kings Mountain site
 - Lithium and byproduct sales agreements
 - Complete definitive feasibility study
 - Appoint financial advisor to evaluate strategic partnering options
 - Arrange project financing




Notes: Market caps as of 6/5/20; KDR represents M&A transaction value.

THE PIEDMONT VALUE PROPOSITION

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LITHIUM HYDROXIDE...FROM SPODUMENE...IN THE UNITED STATES

BACKGROUND MATERIALS

 Nasdaq:PLL

 ASX:PLL

ABN 50 002 664 495

LiOH

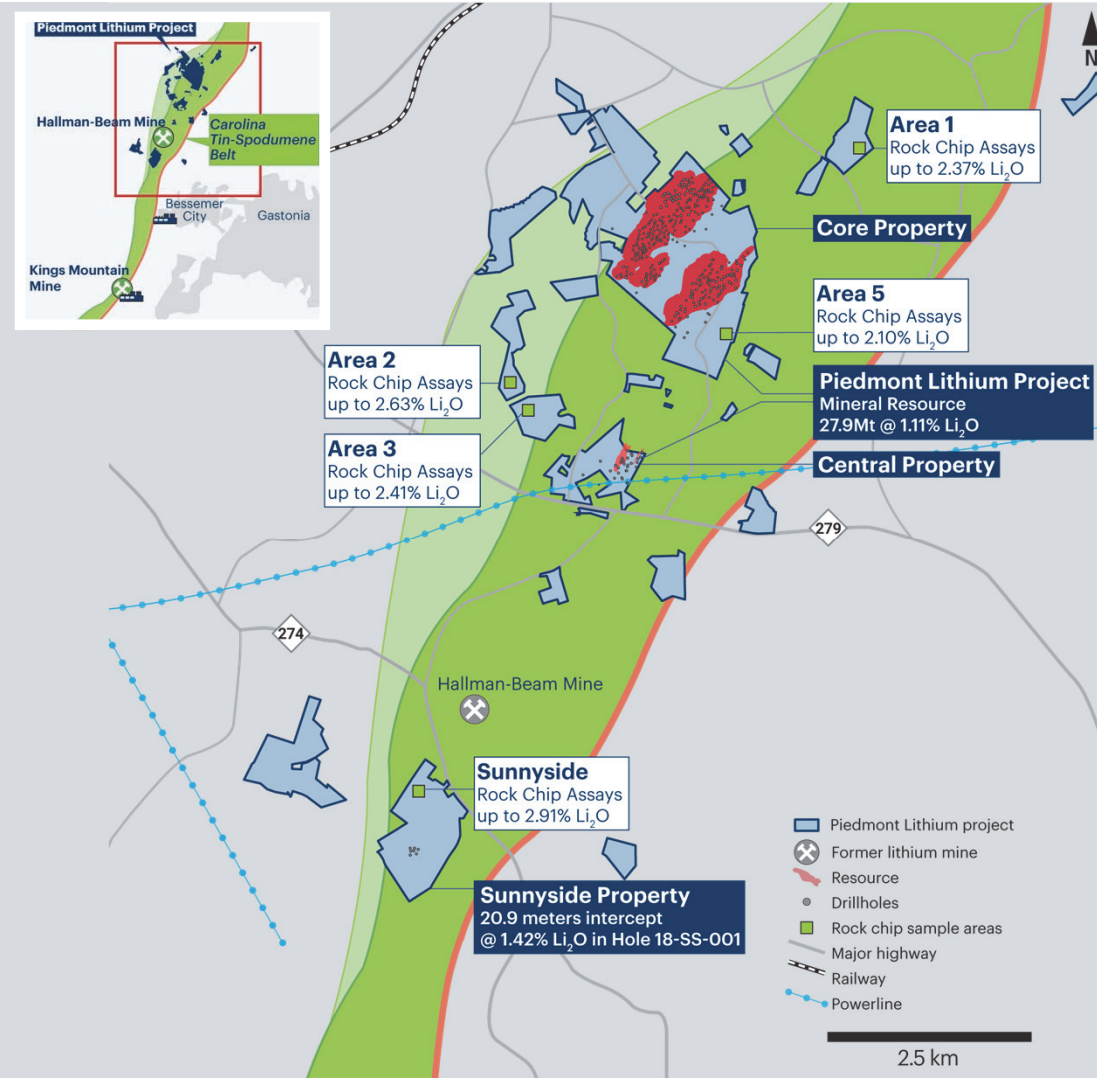


HIGH-GRADE RESOURCE WITH VAST UPSIDE



Mineral Resources 27.9 Mt @ 1.11% Li₂O

- 764,000 tonnes of contained LCE
- 100% of the lithium is attributable to spodumene mineralization
- Shallow open pits – 74% of resource within 100m of surface and 97% within 150m
- Open along strike and at depth



OPEN ALONG STRIKE AND AT DEPTH

SHALLOW OPEN PIT QUARRYING

PURE SPODUMENE MINERALOGY

ABUNDANT CLEAN PROCESS WATER

85% RECOVERIES
BASED ON TESTWORK & 50 YEARS OF TSB PRECEDENT

QUARTZ



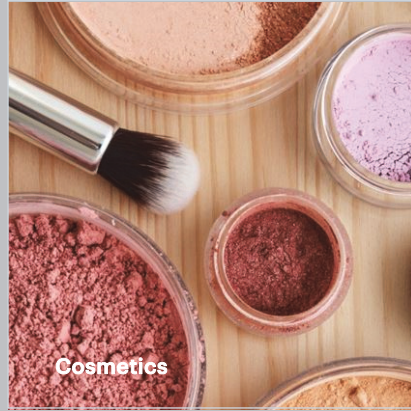
Solar Panel Glass

FELDSPAR



Architectural Glass

MICA



Cosmetics



Composites



Industrial Ceramics



Automotive Paints



Technical Glass



Coatings



Welding Rods

**BY PRODUCTS
SERVE
IMPORTANT
MARKETS WHILE
PROVIDING
IMPORTANT
CREDITS TO
OPERATING
COSTS**

LEADERSHIP TEAM



KEITH PHILLIPS
President & CEO

30+ years Wall Street experience with JPMorgan, Merrill Lynch & Goldman Sachs



PATRICK BRINDLE
VP – Project Management

20+ years US and global engineering, procurement and construction experience



LAMONT LEATHERMAN
VP – Chief Geologist

25+ years as an exploration geologist, senior positions in BHP in the Carolinas



TIM MCKENNA
Government Relations

30+ years government relations, including with Rockwood Lithium and Lithium X



TASO ARIMA
Founder and Director

Visionary natural resources entrepreneur; founder of multiple companies



AUSTIN DEVANEY
VP – Sales & Marketing

Lithium industry veteran; head of sales and customer excellence for Albemarle



DAVID BUCKLEY
VP – Process Engineering

25+ years lithium extraction and conversion expert, ex-Livent and Albemarle



GREG SWAN
Corporate Secretary

15+ years accounting and governance experience with public companies

TECHNICAL CONSULTANTS

HATCH

PRIMERO

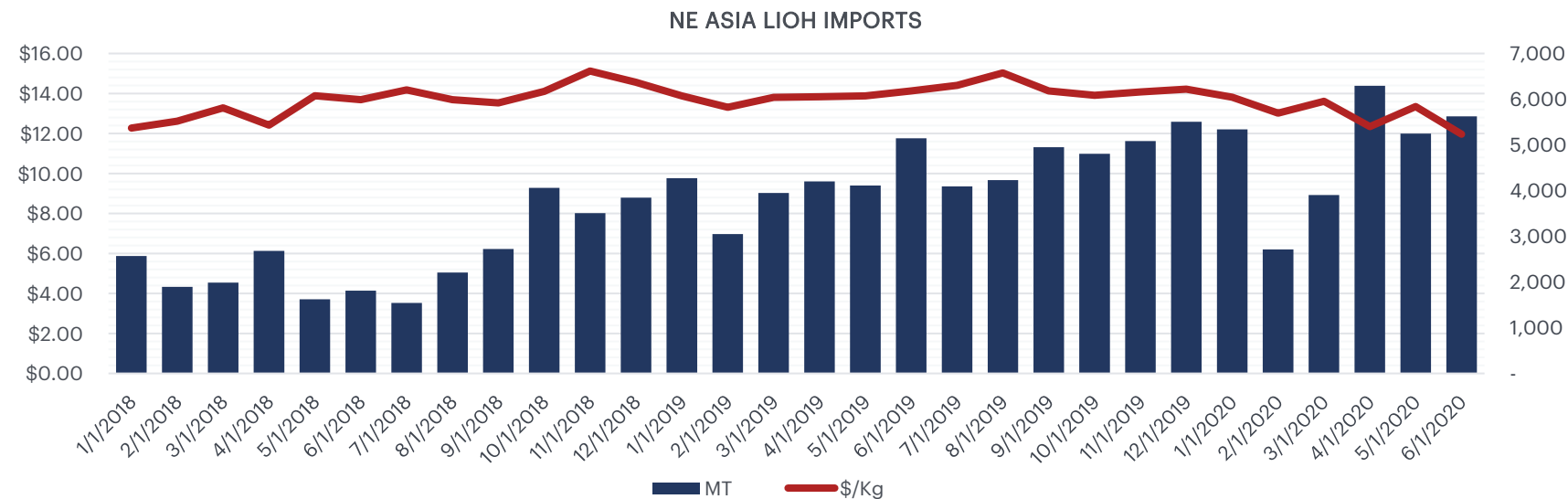
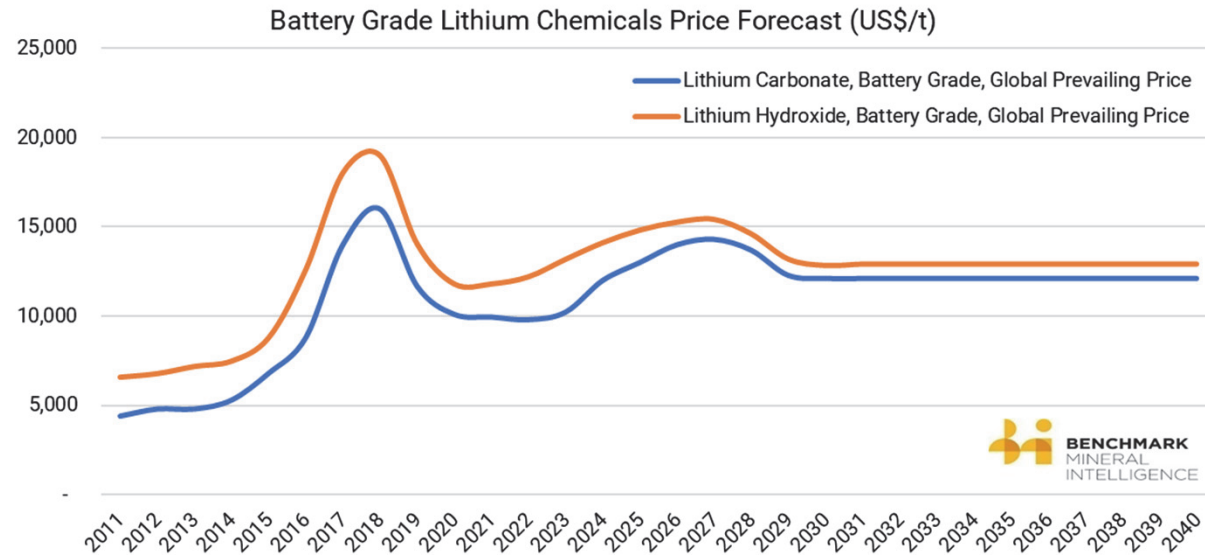


SGS

HDR



LITHIUM PRICES BOTTOMING?



PLL STUDIES

are based on LT LIOH price of \$12,910/t vs. 3-year avg. of ~\$17,000/t

LIOH PRICES

on Chinese imports into South Korea remain above \$13,000/t

MORGAN STANLEY

Says "Lithium Prices Appear to have Bottomed in China"

"IN 2022

we will have a more significant price spike than we had in 2015-2017" Global Lithium LLC

SPODUMENE PROJECTS EXIST WORLDWIDE, BUT 100% OF LIOH CONVERSION OCCURS IN CHINA



~100%
of World Spodumene Production
is Converted in China

CHINA
Produces Most of the World's
Lithium Hydroxide

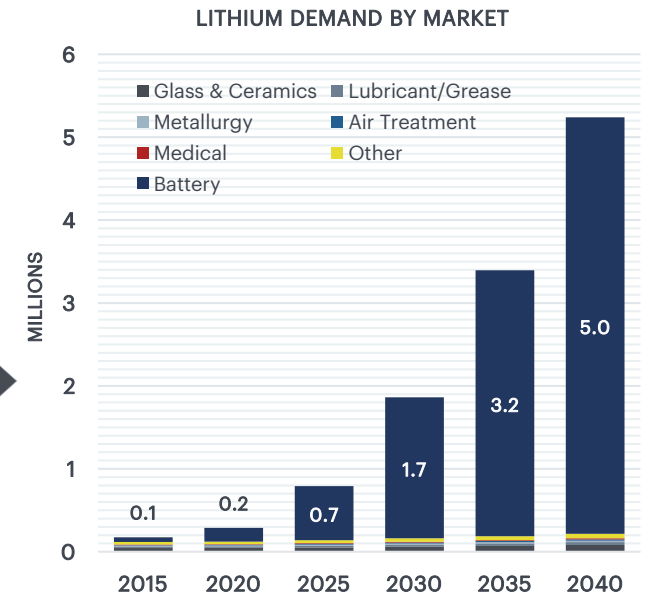
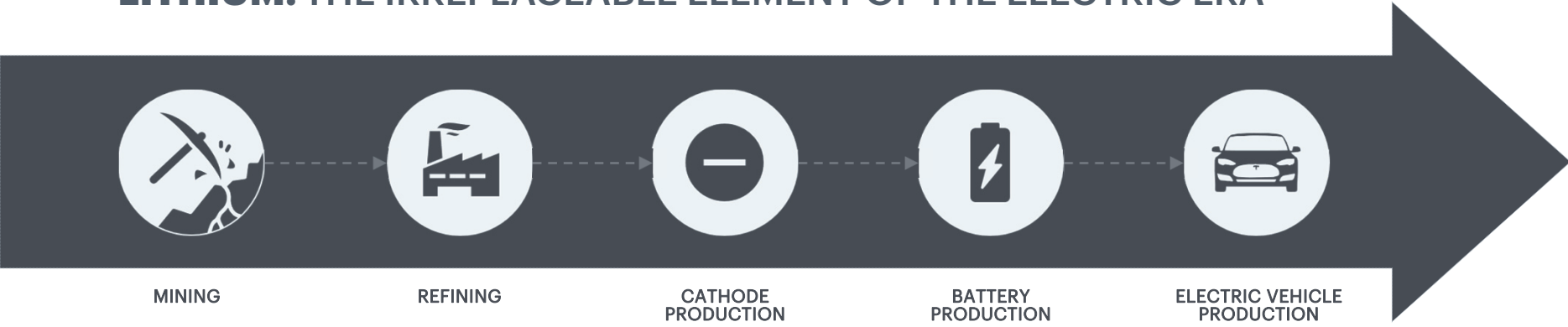
US AND EUROPEAN
Auto Companies Seeking to
Localize Supply Chains

NORTH CAROLINA
is an Ideal Location for
Merchant Conversion

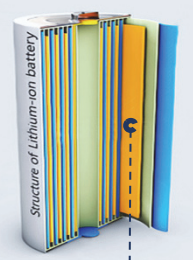
Operating Spodumene Conversion Plant

LITHIUM 101

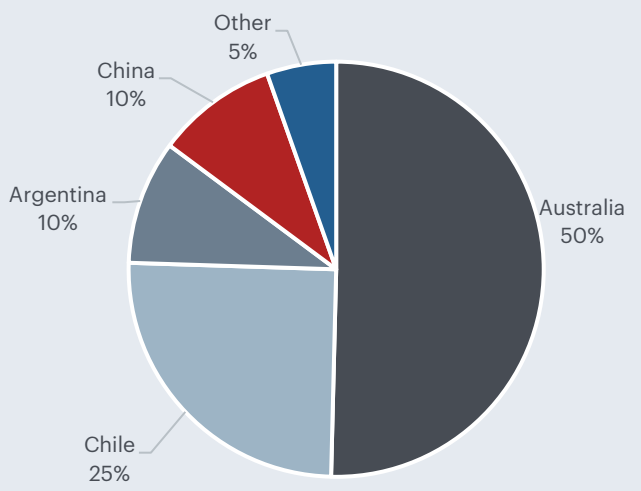
LITHIUM: THE IRREPLACEABLE ELEMENT OF THE ELECTRIC ERA¹



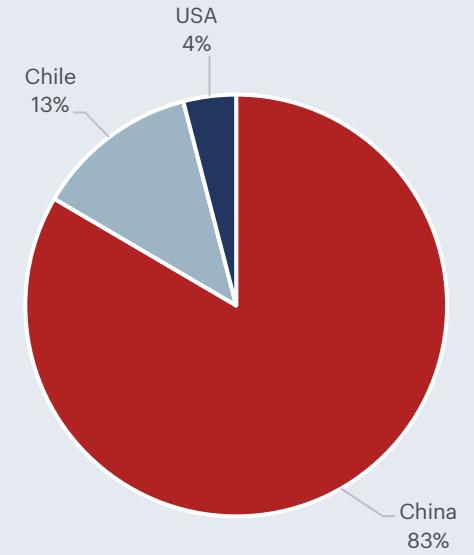
SOURCES OF LITHIUM



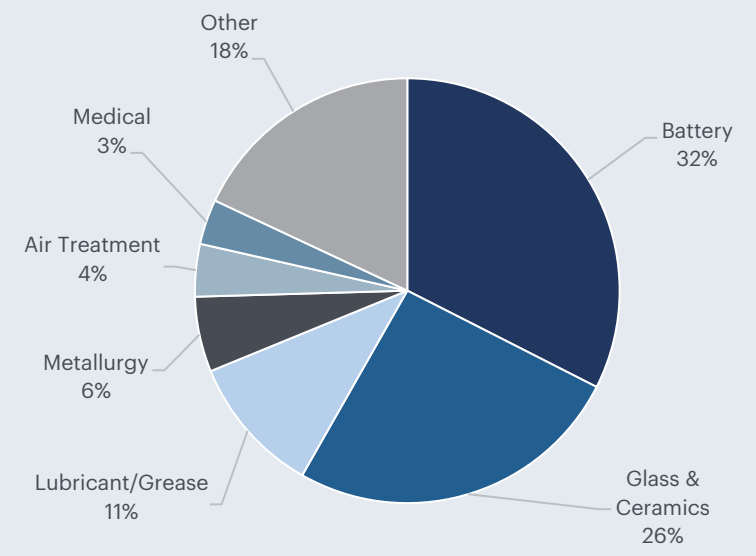
LITHIUM RAW MINERAL SUPPLY IN 2019



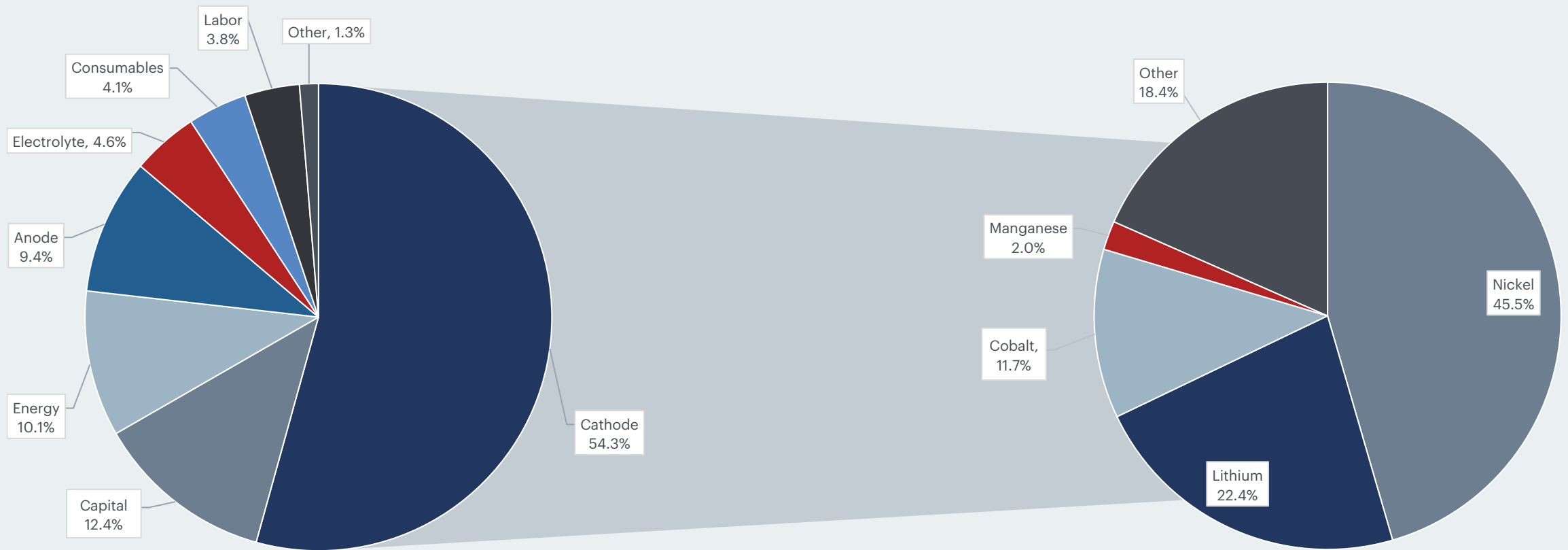
LITHIUM HYDROXIDE SUPPLY IN 2019



LITHIUM DEMAND BY MARKET IN 2019



811 BATTERY CELL COST BREAKDOWN



DISCLAIMERS

Cautionary Statements and Important Information

This presentation does not constitute or form part of any offer to sell, or solicitation of any offer to buy, any securities in the United States or any other country. This presentation may not form the basis of any contract or commitment whatsoever with any person. Distribution of this presentation may be restricted by applicable law. This presentation has been prepared by Piedmont Lithium Limited ("Piedmont") as a summary only and does not contain all information about Piedmont's assets and liabilities, financial position and performance, profits and losses, prospects, and the rights and liabilities attaching to Piedmont's securities. Any investment in Piedmont should be considered speculative and there is no guarantee that they will make a return on capital invested, that dividends would be paid, or that there will be an increase in the value of the investment in the future. Piedmont does not purport to give financial or investment advice. No account has been taken of the objectives, financial situation or needs of any recipient of this presentation. Recipients of this presentation should carefully consider whether the securities issued by Piedmont are an appropriate investment for them in light of their personal circumstances, including their financial and taxation position.

Forward Looking Statements

This presentation contains forward-looking statements within the meaning of securities legislation in Australia and the United States, including statements regarding exploration and development activities; plans for Piedmont's mineral projects; projections of market demand and lithium prices; statements about the timing and amount of resource declarations; and statements about the timing and ability to complete scoping studies and feasibility studies.

Such forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause actual events, results, performance or achievements to be materially different from events, results, performance or achievements expressed or implied by the forward-looking statements. Such factors include, among others, the risk that we will be unable to commercially extract mineral deposits, that our properties may not contain expected reserves, risks and hazards inherent in the mining business (including risks inherent in developing mining projects, environmental hazards, industrial accidents, weather or geologically related conditions), uncertainty about our ability to obtain required capital to execute our business plan, our ability to hire and retain required personnel, changes in the market prices of lithium, changes in technology or the development of substitute products, the uncertainties inherent in exploratory, developmental and production activities, including risks relating to permitting and regulatory delays, uncertainties inherent in the estimation of lithium resources, risks related to competition, as well as other uncertainties and risk factors set out in filings made from time to time with the Australian Stock Exchange and the U.S. Securities and Exchange Commission, including our most recent Form 20-F. Actual events, results, performance and achievements could vary significantly from the estimates presented in this presentation. Readers are cautioned not to put undue reliance on forward-looking statements. We disclaim any intent or obligation to update publicly such forward-looking statements, whether as a result of new information, future events or otherwise. Additionally, we undertake no obligation to comment on analyses, expectations or statements made by third parties in respect of Piedmont, its financial or operating results or its securities.

Cautionary Note to United States Investors Concerning Estimates of Measured, Indicated and Inferred Resources

The Project's Core Property Mineral Resource of 25.1Mt @ 1.09% Li₂O comprises Indicated Mineral Resources of 12.5Mt @ 1.13% Li₂O and Inferred Mineral Resources of 12.6Mt @ 1.04% Li₂O. The Central Property Mineral Resource of 2.80Mt @ 1.34% Li₂O comprises Indicated Mineral Resources of 1.41Mt @ 1.38% Li₂O and 1.39Mt @ 1.29% Li₂O.

The information contained in this presentation has been prepared in accordance with the requirements of the securities laws in effect in Australia, which differ from the requirements of U.S. securities laws. The terms "mineral resource", "measured mineral resource", "indicated mineral resource" and "inferred mineral resource" are Australian terms defined in accordance with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the "JORC Code"). However, these terms are not defined in Industry Guide 7 ("SEC Industry Guide 7") under the U.S. Securities Act of 1933, as amended (the "U.S. Securities Act"), and are normally not permitted to be used in reports and filings with the U.S. Securities and Exchange Commission ("SEC"). Accordingly, information contained herein that describes Piedmont's mineral deposits may not be comparable to similar information made public by U.S. companies subject to reporting and disclosure requirements under the U.S. federal securities laws and the rules and regulations thereunder. U.S. investors are urged to consider closely the disclosure in Piedmont's Form 20-F, a copy of which may be obtained from Piedmont or from the EDGAR system on the SEC's website at www.sec.gov.

Competent Persons Statements

The information in this presentation that relates to Exploration Results, Mineral Resources, Metallurgical Testwork Results, Concentrator Process Design, Concentrator Capital Costs, Concentrator Operating Costs, Mining Engineering and Mining Schedule was extracted from our ASX announcement dated May 26, 2020 which is available to view on the Company's website at www.piedmontlithium.com.

Piedmont confirms that: a) it is not aware of any new information or data that materially affects the information included in the original ASX announcement; b) all material assumptions and technical parameters underpinning Mineral Resources, Production Targets, and related forecast financial information derived from Production Targets included in the original ASX announcement continue to apply and have not materially changed; and c) the form and context in which the relevant Competent Persons' findings are presented in this report have not been materially modified from the original ASX announcement.

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Powering America's Clean Energy Transition

September 2020

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