



BUILDING AMERICA'S LEADING LITHIUM HYDROXIDE BUSINESS

 Nasdaq :PLL
 ASX :PLL

ARBN 647 286 360

LiOH

February 2022

DISCLAIMERS

Forward Looking Statements

This presentation contains forward-looking statements within the meaning of or as described in securities legislation in the United States and Australia, including statements regarding exploration, development and construction activities; current plans for Piedmont's mineral and chemical processing projects (including its partners); projections of market demand and prices; statements about the timing and amount of reserve and resource declarations and our chemical processing operations; strategy; value; returns; capital allocation and investment; expectations regarding permitting; costs and expenses; and statements about the timing and ability to complete scoping studies and feasibility studies.

Such forward-looking statements involve substantial and known and unknown risks, uncertainties and other risk factors, many of which are beyond our control, and which may cause actual timing of events, results, performance or achievements and other factors to be materially different from the future timing of events, results, performance or achievements expressed or implied by the forward-looking statements. Such risk factors include, among others: (i) that Piedmont will be unable to commercially extract mineral deposits, (ii) that Piedmont's properties may not contain expected reserves, (iii) risks and hazards inherent in the mining business (including risks inherent in exploring, developing, constructing and operating mining projects, environmental hazards, industrial accidents, weather or geologically related conditions), (iv) uncertainty about Piedmont's ability to obtain required capital to execute its business plan, (v) Piedmont's ability to hire and retain required personnel, (vi) changes in the market prices of lithium and lithium products, (vii) changes in technology or the development of substitute products, (viii) the uncertainties inherent in exploratory, developmental and production activities, including risks relating to permitting, zoning and regulatory delays, (ix) uncertainties inherent in the estimation of lithium resources, (x) risks related to competition, (xi) risks related to the information, data and projections related to Sayona Quebec and Atlantic Lithium, (xii) occurrences and outcomes of claims, litigation and regulatory actions, investigations and proceedings, (xiii) risks regarding our ability to achieve profitability, enter into and deliver product under supply agreements on favorable terms, our ability to obtain sufficient financing to develop and construct our projects, our ability to comply with governmental regulations and our ability to obtain necessary permits, and (xiv) other uncertainties and risk factors set out in filings made from time to time with the U.S. Securities and Exchange Commission ("SEC") and the Australian Securities Exchange, including Piedmont's most recent filings with the SEC. The forward-looking statements, projections and estimates are given only as of the date of this presentation and actual events, results, performance and achievements could vary significantly from the forward-looking statements, projections and estimates presented in this presentation. Readers are cautioned not to put undue reliance on forward-looking statements. Piedmont disclaims any intent or obligation to update publicly such forward-looking statements, projections and estimates, whether as a result of new information, future events or otherwise. Additionally, Piedmont, except as required by applicable law, undertakes 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.

Competent Persons Statement

The Carolina Lithium Project comprises the Project's estimated Probable Ore Reserves of 18.3 Mt @ 1.10% Li₂O and Mineral Resource estimate of 44.2Mt @ 1.08% Li₂O comprised of Indicated Mineral Resources of 28.2Mt @ 1.11% Li₂O and Inferred Mineral Resources of 15.9Mt @ 1.02% Li₂O previously reported on October 21, 2021 ("Mineral Resource update"). The information in this presentation that relates to Exploration Results, Mineral Resources, Metallurgical Testwork, Process Design, Operating Costs, Capital Costs, Financial Analysis, Mining Engineering, Mine Schedule, Mining Costs and Ore Reserves of the Carolina Lithium Project was extracted from our announcement entitled 'Piedmont Completes Bankable Feasibility Study of the Carolina Lithium Project with Positive Results' dated December 13, 2021 ("Original Announcement") 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 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 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 Announcement.

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

The information contained herein by Piedmont for the Carolina Lithium Project has been prepared in accordance with the requirements of the securities laws in effect in the United States and Australia. The terms "ore reserves", "proven ore reserves", "probable ore reserves", "mineral resource", "measured mineral resource", "indicated mineral resource" and "inferred mineral resource" are used herein as defined by the U.S. Securities and Exchange Commission ("SEC") in Regulation S-K, Item 1300 ("S-K 1300") and as defined in accordance with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the "JORC Code").

Information presented herein related to the Mineral Resources of Sayona Quebec's Authier Project and Atlantic Lithium's Ewoyaa Project have been prepared in accordance with the requirements of the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources, and Ore Reserves (the 'JORC Code'). Additionally, the historical Mineral Resources for North American Lithium have been prepared in accordance with the regulations of National Instrument 43-101, Standards of Disclosure for Mineral Project ("NI 43-101") in effect in Canada. The terms "mineral resource", "measured mineral resource", "indicated mineral resource" and "inferred mineral resource" are terms with meaning both in the JORC Code and NI 43-101. Comparable terms are now also defined by the SEC in its newly adopted Modernization of Property Disclosures for Mining Registrants as promulgated in its S-K 1300 standards. While the guidelines for reporting mineral resources, including subcategories of measured, indicated, and inferred resources, are largely similar for JORC, NI 43-101 and S-K 1300 standards, information contained herein that describes Sayona's and Atlantic Lithium's mineral deposits are not fully 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 Piedmont's disclosure in its SEC filings, copies of which may be obtained from Piedmont or from the EDGAR system on the SEC's website at www.sec.gov.



BUILDING NORTH AMERICA'S LEADING SOURCE OF LITHIUM HYDROXIDE



Powering the Electric Vehicle Transition.
Returning Jobs to America.
Reinforcing U.S. National Security.
Investing in a More Sustainable Planet.

PIEDMONT AT A GLANCE



An American company – based in Gaston County, NC



Hard rock lithium assets in three strategic locations



Only U.S. integrated spodumene-to-hydroxide project



~37% economic interest in large Quebec lithium project



Earning 50% of Africa's best-located lithium project



Industry-leading ESG profile



Strong balance sheet to advance projects

CORPORATE SNAPSHOT

PIEDMONT LITHIUM INC.



| | | |
|--|----------|-------------|
| Shares / CDIs Outstanding (100 CDIs = 1 Share) | 15.87 mm | 1,586.9 mm |
| Price (@ 1/7/22) | \$50.67 | A\$0.73 |
| Average Daily Trading Volume (30-day) | \$19 mm | A\$3 mm |
| Market Cap (@ 1/7/22) | \$804 mm | A\$1,151 mm |
| Cash (@ 9/30/21) | \$82 mm | A\$114 mm |
| Equity Interests at Market (@ 1/7/22) | \$134 mm | A\$186 mm |

RESEARCH COVERAGE



EVERCORE ISI

CANACCORE Genuity



Clarksons Platou
Securities

D|A|DAVIDSON

B | R I L E Y Securities

ROTH Capital Partners

TUOHY BROTHERS
INVESTMENT RESEARCH INC.



LEADERSHIP



KEITH PHILLIPS
Chief Executive Officer

COWEN

J.P.Morgan

 **Merrill Lynch**



Patrick Brindle
Chief Development Officer

David Klanecky
Chief Operations Officer

Bruce Czachor
Chief Legal Officer

Michael White
Chief Financial Officer

Austin Devaney
Chief Commercial Officer

Kris McVey
Chief Human Resources Officer

Lamont Leatherman
Chief Geologist

Monique Parker
VP, HS&E

Brian Risinger
VP Corporate Comm. & IR



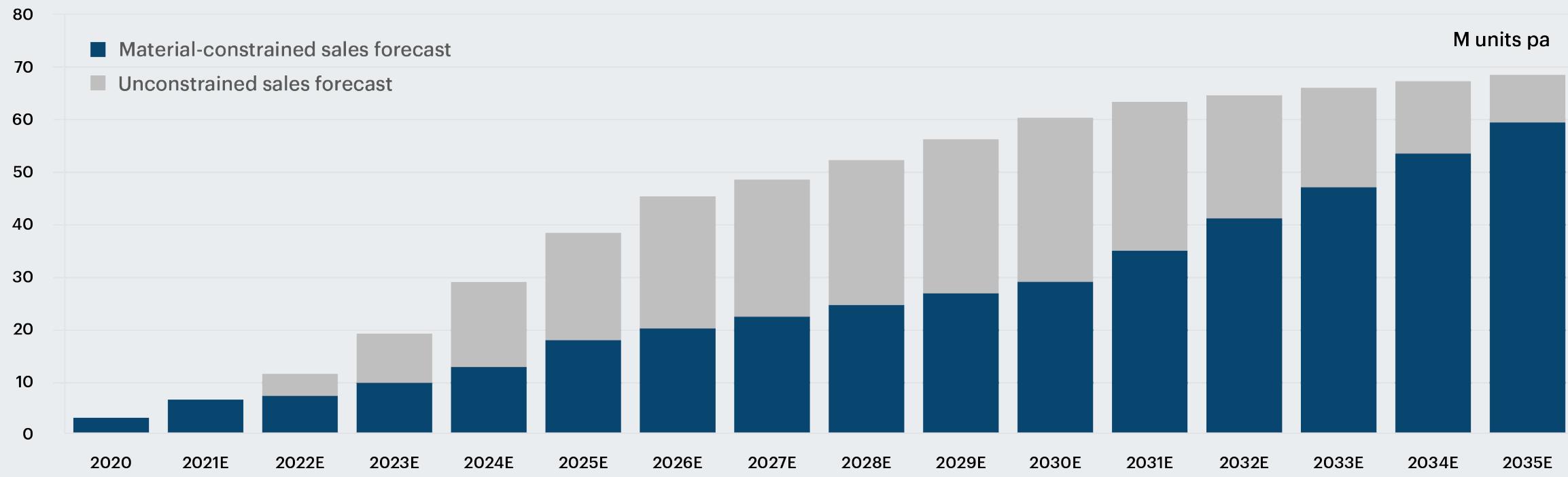
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EV SALES FORECAST

MATERIAL-CONSTRAINED VS. UNCONSTRAINED EV SALES FORECAST

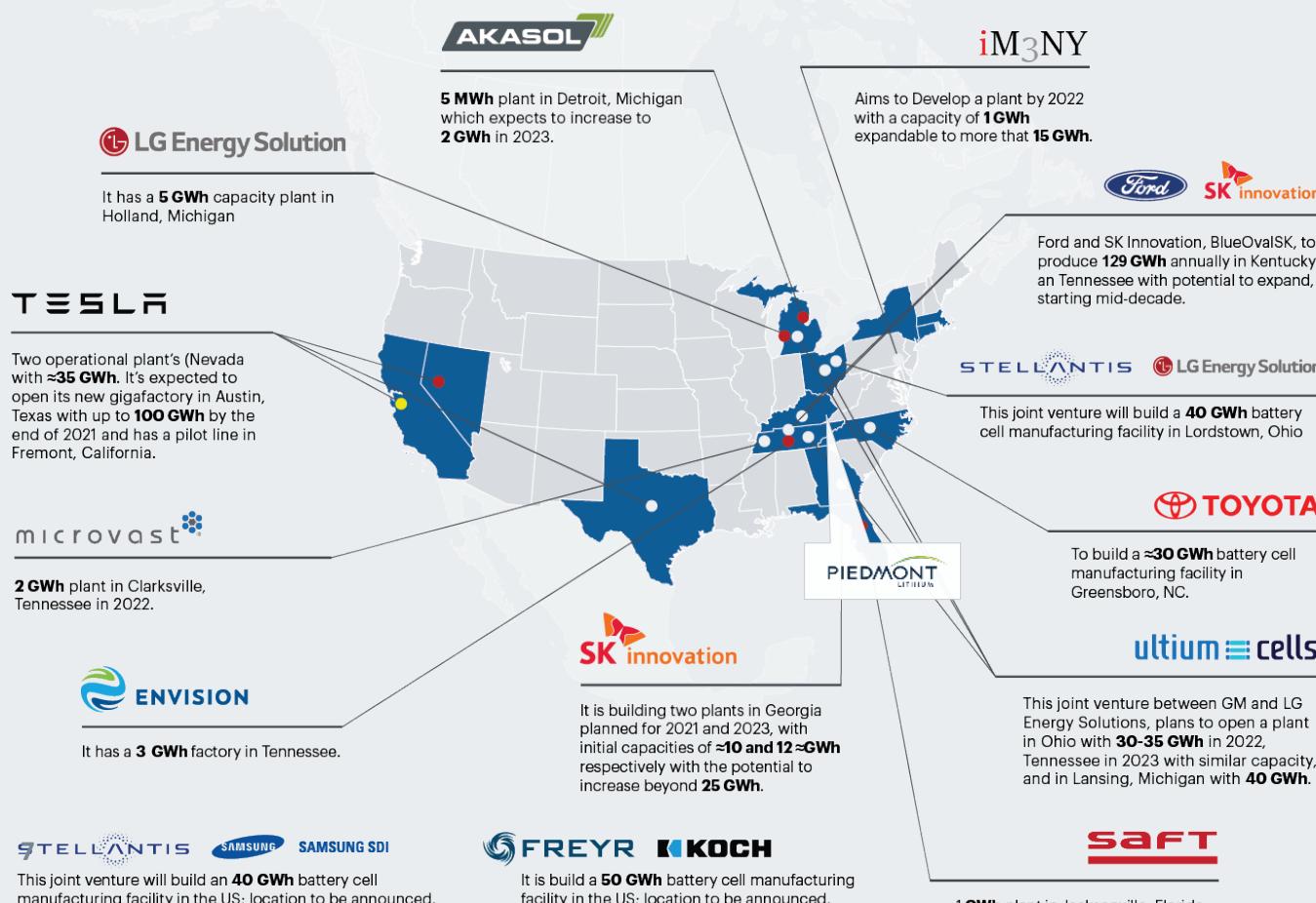


Source: Battery Material Review, Westbeck Capital estimates

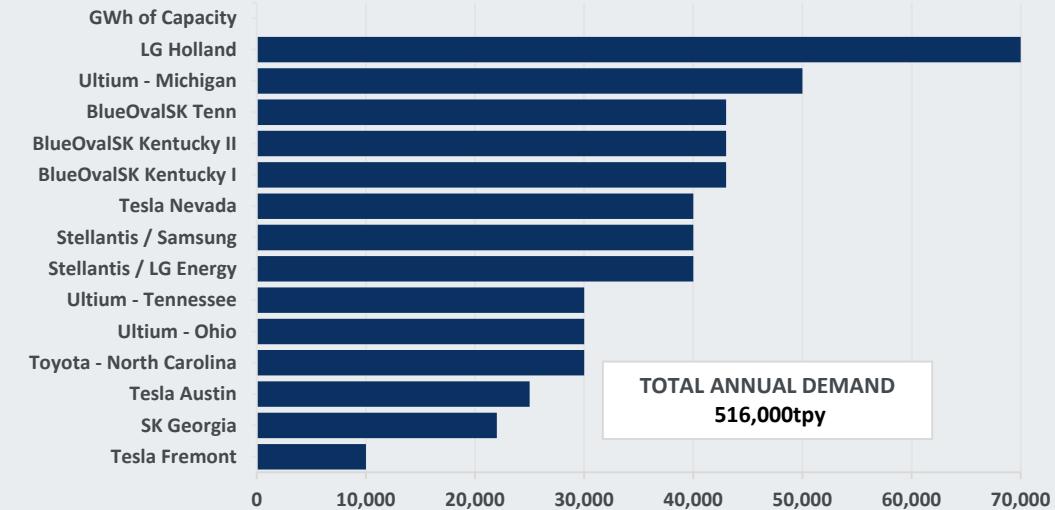
DOMESTIC SHORTFALLS ANTICIPATED

Commitments of Over \$25 Billion to Build U.S. Battery Capacity by 2030

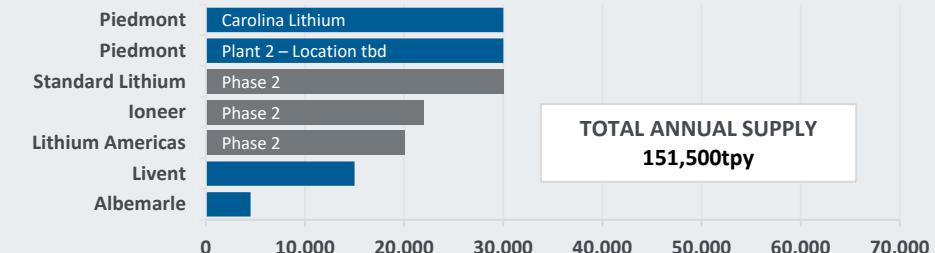
AMERICAN GIGAFACTORIES



LiOH REQUIRED BY SELECTED GIGA-FACTORIES BY 2025+

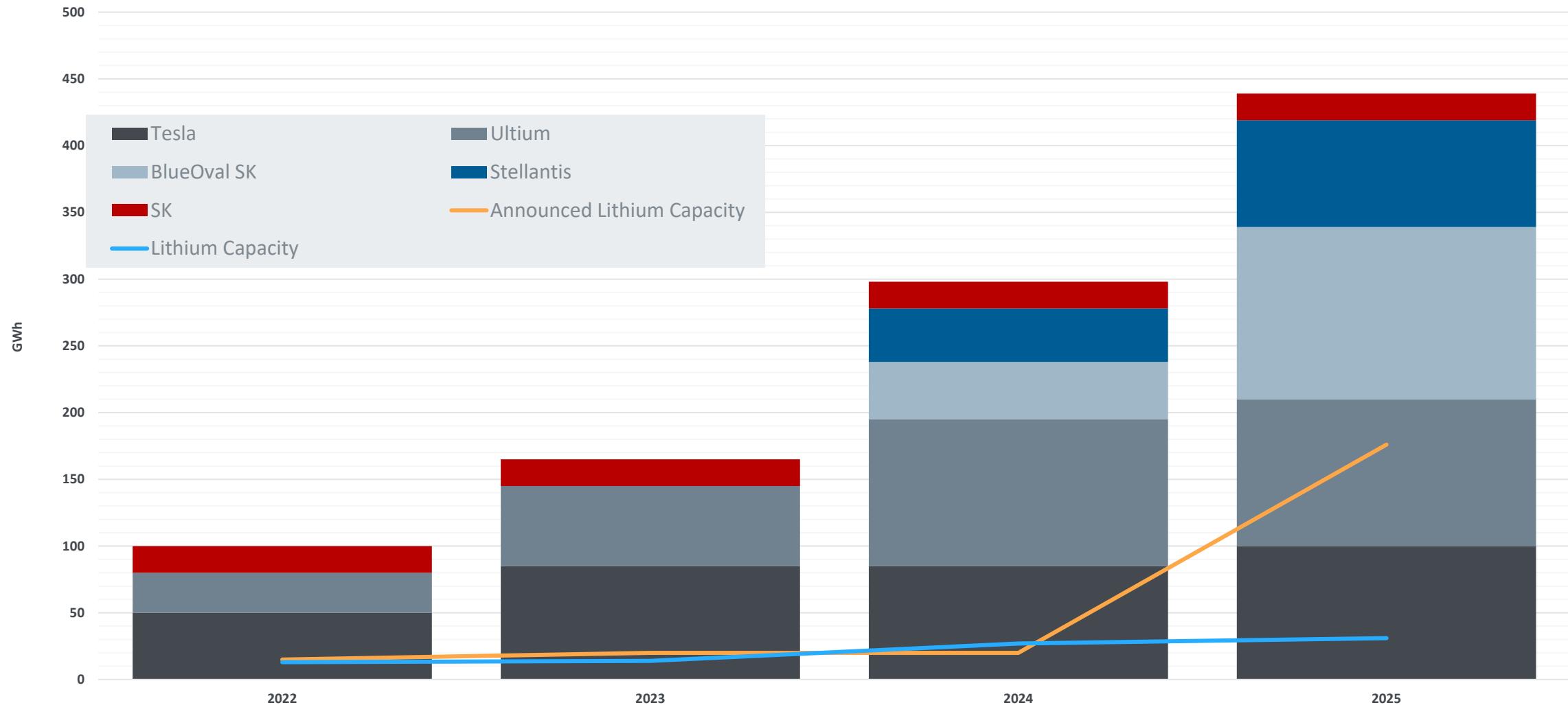


SELECTED US LITHIUM HYDROXIDE SUPPLY BY 2025+

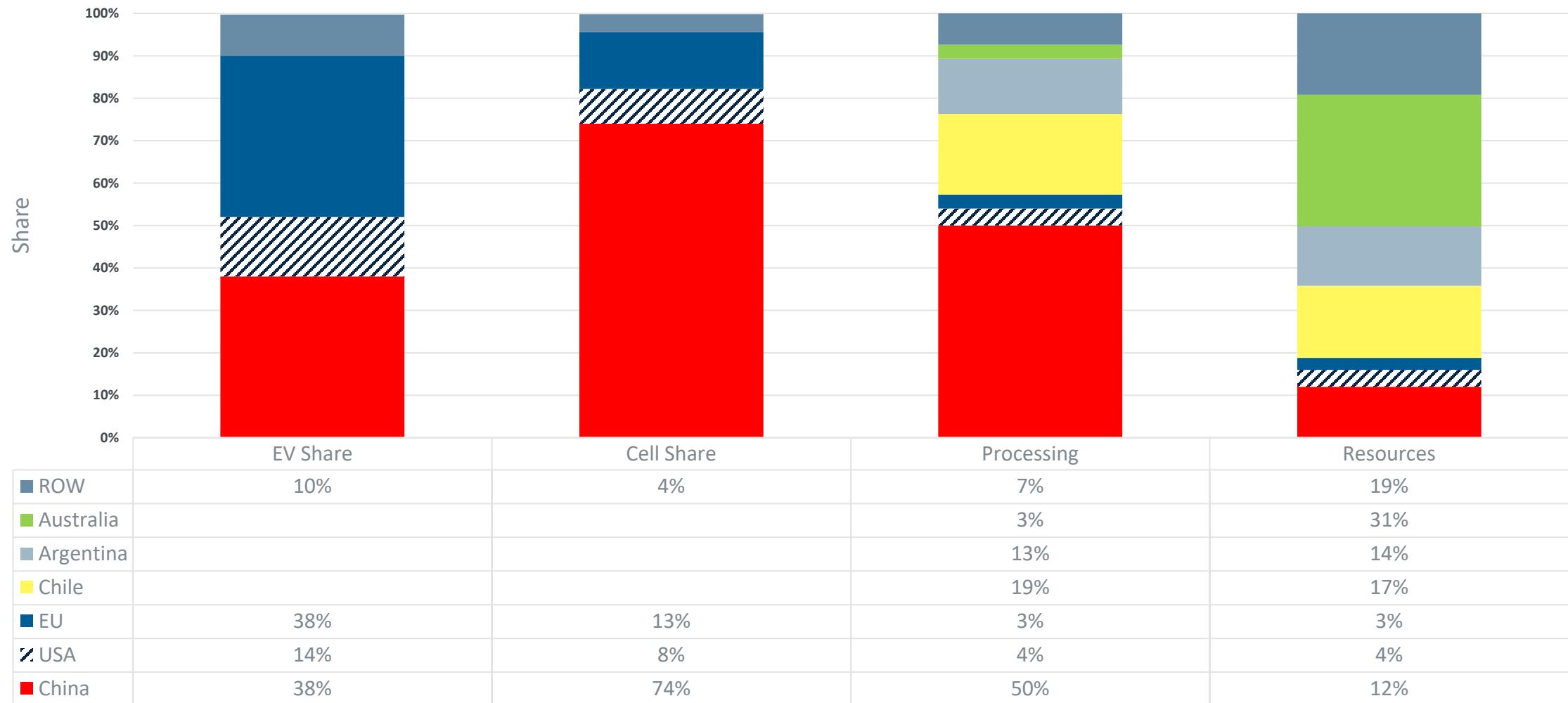


Source: Benchmark Mineral Intelligence – Lithium Forecast, Q3 2021, company announcements and Piedmont Lithium estimates

BATTERY CELL EXPANSIONS IN THE USA



2025 BATTERY VALUE CHAIN SHARE



SECURITY OF SUPPLY

- Consuming regions are all in deficit and will require imported supply
- Regions that can expand both resource and processing capability will lead
- China is the number one chemical processor and producer of batteries





LiOH

PIEDMONT
LITHIUM

LITHIUM – MADE IN THE USA

Powering America's Clean Energy Transition

February 2022

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