

A GROWING LITHIUM PRODUCER

Offering Near-term Leverage to Lithium Prices

 Nasdaq :PLL

 ASX :PLL

ARBN 647 286 360

LiOH

June 2024

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, construction and production activities of Sayona Mining, Atlantic Lithium and Piedmont Lithium; current plans for Piedmont's mineral and chemical processing projects; Piedmont's potential acquisition of an ownership interest in Ewoyaa; and strategy. 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, or performance expressed or implied by the forward-looking statements. Such risk factors include, among others: (i) that Piedmont, Sayona Mining or Atlantic Lithium may be unable to commercially extract mineral deposits, (ii) that Piedmont's, Sayona Mining's or Atlantic Lithium'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 related to Piedmont's projects as well as the projects of our partners in Quebec and Ghana, (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 Mining or 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.

Qualified Persons Statement

We have reported mineral reserves, which were prepared in accordance with Regulation S-K Item 1300 (as promulgated by the SEC, "S-K 1300") and the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the "JORC Code") (as required by the ASX), in connection with our exploration and evaluation activities. As of December 31, 2022, we reported 18.3 million metric tons of probable mineral reserves at a grade of 1.10% Li₂O. We issued our first mineral resource estimate pursuant to S-K 1300 and the JORC Code on October 21, 2021 and have not finalized any subsequent estimates. The proven and probable reserve figures presented herein are estimates based on information available at the time of calculation.

The mineral resource figures presented herein are estimates based on information available at the time of calculation and do not include that portion of our mineral resources that been converted to proven and probable reserves as shown above, as they are reported exclusive of mineral reserves. We have reported mineral resources, prepared in accordance with S-K 1300, as part of our exploration and evaluation activities. As of December 31, 2022, we have reported 25.89 million metric tons of mineral resources, exclusive of mineral reserves, at a grade of 1.06% Li₂O.

An initial Technical Report Summary with respect to our estimated mineral reserves was filed as an exhibit to our Transition Report for the six-month period ending December 31, 2021. An Amended Technical Report Summary, dated April 20, 2023 (the "Amended TRS"), was filed as Exhibit 96.3 to our most recent Form 10-K/A to include certain information as required by S-K 1300. Key assumptions and parameters relating to our estimates of mineral reserves and resources are discussed in Sections 1.9 and 1.10 of the Amended TRS. We intend to publish reserves annually and recalculate reserves if any new significant changes are expected, taking into account metal prices, changes to estimates of future production and costs, divestments and depletion, as well as any acquisitions and additions.

As required by ASX Listing Rules, Piedmont confirms that: a) it is not aware of any new information or data that materially affects the information included in our most recent form 10-K/A ; b) all material assumptions and technical parameters underpinning mineral reserves, mineral resources, production targets, and related forecast financial information derived from production targets included in our form 10-K/A continue to apply and have not materially changed; and c) the form and context in which the relevant Qualified Persons' findings are presented in this report have not been materially modified from the Amended TRS.

DISCLAIMERS

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

Standards for Assessing Mineral Reserves and Resources

As a U.S. public company listed in the United States and Australia, Piedmont is required to comply with the resource estimation standards of both S-K 1300 and the JORC Code. Certain of Piedmont's partners instead comply with the JORC Code or Canadian National Instrument 43-101, Standards of Disclosure for Mineral Projects ("NI 43-101").

Each of these standards contain specific meanings for terms such as "mineral resource", "measured mineral resource", "indicated mineral resource" and "inferred mineral resource" "proven mineral reserves," "probable mineral reserves" and for various types of technical studies. Although the principles for reporting mineral reserves and resources, including subcategories of measured, indicated and inferred resources, are broadly similar under each set of standards, we caution you that estimates prepared solely under the JORC Code or NI 43-101 are not fully comparable to similarly titled measures disclosed under S-K 1300 or the other reporting and disclosure requirements of the U.S. federal securities laws, rules and regulations.

Mineral Reserves and Resources of Piedmont

Mineral reserve and mineral resource information contained in this presentation for the Carolina Lithium Project was prepared by Piedmont in accordance with S-K 1300 and the JORC Code.

Mineral Reserves and Resources of Sayona Quebec

Mineral reserve and mineral resource information contained in this presentation for the Authier and North American Lithium Projects was prepared by Sayona in accordance with the JORC Code and NI 43-101. Such information was not prepared in accordance with S-K 1300.

Mineral Reserves and Resources of Atlantic Lithium

Mineral reserve and mineral resource information contained in this presentation for the Ewoyaa Project was prepared by Atlantic Lithium in accordance with the JORC Code. Such information was not prepared in accordance with S-K 1300.

In June 2023, Atlantic Lithium announced the successful completion of a technical study for Ewoyaa in accordance with the JORC Code, demonstrating the potential of Ewoyaa to produce low-cost spodumene concentrate using a dense medium only processing technique. In the Atlantic Lithium study, 6% of the mined tons reported in the production target was based on the inclusion of inferred resources. There is a low level of geological confidence associated with inferred mineral resources, and there is no certainty that further exploration work would result in a determination of measured or indicated mineral resources resulting from the inferred resources, that the inferred resources would be converted to mineral reserves or that the production target itself would be realized. Although Atlantic Lithium has characterized this technical study as a definitive feasibility study, due to the inclusion of the inferred resources, we consider the production target and its associated economics as a scoping study.

WHY PIEDMONT?

NAL is North America's Largest Lithium Operation

Recent Carolina Mine Permit Approval

High ROIC Project in Ghana

Strong Near-term Leverage to Lithium Prices

Spodumene Concentrate Business of Global Scale

Unique Strategic Position in the USA

CORPORATE SNAPSHOT

PIEDMONT LITHIUM



Shares / CDIs Outstanding (100 CDIs = 1 Share)	19.37 mm	1,936.9 mm
Price (@ 5/31/24)	\$13.06	A\$0.20
Average Daily Trading Volume (90 day)	\$10 mm	A\$1 mm
Market Cap (@ 5/31/24)	\$253 mm	A\$387 mm
Cash and Securities ¹	\$81 mm	A\$125 mm

RESEARCH COVERAGE

B | RILEY Securities



CANACCORD | Genuity



Clarksons Platou Securities

D | A | DAVIDSON

EVERCORE ISI

J.P.Morgan



TUOHY BROTHERS
INVESTMENT RESEARCH INC.

1. Cash and securities represents Piedmont's cash balance as of March 31, 2024 and the value of shares owned in Atlantic Lithium as of May 31, 2024.

PIEDMONT PROJECT PORTFOLIO



Quebec		Carolina		Ghana ³		Tennessee	
Ownership: 25% Piedmont / 75% Sayona Mining		Ownership: 100% Piedmont		Ownership: 50% Piedmont / 50% Atlantic Lithium		Ownership: 100% Piedmont	
Project ¹	North American Lithium	Project ²	Carolina Lithium	Project ⁴	Ewoyaa	Project ⁵	Tennessee Lithium
Location	Abitibi, Quebec, Canada	Location	Gaston County, NC	Location	Cape Coast, Ghana	Location	McMinn County, TN
Reserves	32.9Mt @ 1.04% Li ₂ O	Reserves	18.3Mt @ 1.10% Li ₂ O	Reserves	25.6Mt @ 1.22% Li ₂ O	Reserves	N/A
Planned Production	Year 1-4: 226,000tpy SC LOM: 190,000tpy SC (113,000tpy to PLL)	Planned Production	30,000tpy LiOH 242,000tpy SC6	Planned Production	365,000tpy SC (50% to PLL)	Planned Production	30,000tpy LiOH
Economics	\$1.0bb after-tax NPV	Economics	\$2.0bb after-tax NPV \$459mm steady state EBITDA	Economics	\$1.3bb after-tax NPV \$185mm capex	Economics	\$2.5bb after-tax NPV \$376mm steady state EBITDA

1. Refer to Sayona Mining ASX announcement "DFS Confirms NAL Value with A\$2.2B NPV" dated April 14, 2023, a copy of which was filed with the ASX.
2. Refer to results of PLL Bankable Feasibility Study announcement dated December 14, 2021, a copy of which can be found on our Company website or in our SEC filings. Estimates prepared pursuant to SEC S-K 1300 and the JORC Code.
3. Piedmont has an earn-in agreement for 50% of the Ewoyaa project prior to Ghanaian government and potential Minerals Income Investment Fund (MIIF) interest. Accounting for potential dilution, Piedmont would own 40.5%.
4. Production is based on a Definitive Feasibility Study, which includes the use of inferred resources, filed with the AIM by Atlantic Lithium on June 29, 2023. See disclaimer on slide 3 for additional information related to Atlantic Lithium's Mineral Reserves and Resources. Economics are based on the parameters defined in the DFS and agreed terms of the Ewoyaa Mining Lease. See Atlantic Lithium AIM announcement dated October 20, 2023.
5. Refer to Piedmont Lithium's Definitive Feasibility Study dated April 20, 2023, a copy of which can be found on our Company website or in our SEC filings.

LOCATION MATTERS!



UNITED STATES CORPORATE DOMICILE

- US domicile improves access to US capital markets
- Russell 2000 inclusion / over 20% of PLL shares held by Index Funds
- Well-positioned to benefit from the IRA and other US government programs
- Southeastern United States has become integral part of the “Battery Belt”

USA

- Carolina Lithium is on the prolific Carolina Tin-Spodumene Belt in Gaston County, NC
- Unique integrated site with planned concentrate and hydroxide production
- Outstanding transport and power infrastructure
- Proximity to lithium and byproduct markets
- Near planned and existing cathode, battery, and automotive plants
- Strong local workforce and business climate
- Low corporate tax rates and minimal royalties

QUEBEC

- Based near Val-d’Or, a major mining service center
- No requirement for fly-in/fly-out labor
- Reliable, clean and sustainable hydropower
- Proximity to rail network to access St. Lawrence Seaway and US markets

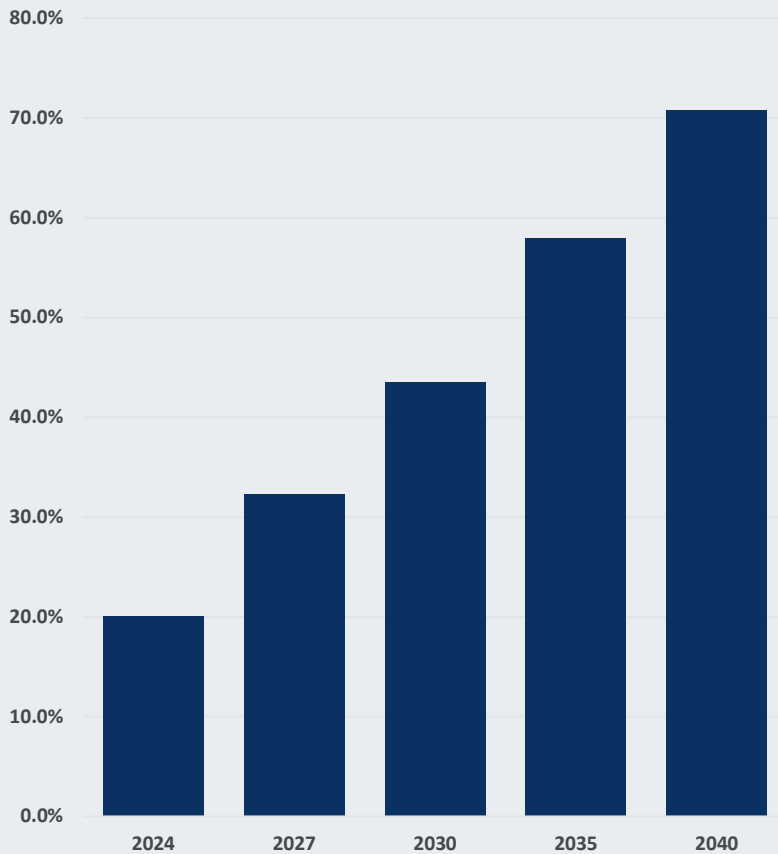
GHANA

- Project site is 1km from a paved road and 110km from port at Takoradi
- Hydro and solar power proximate to site
- Strong national employment, training programs, and community engagement
- Significant mining industry - mining generates more than one-third of export revenues¹

1. According to the U.S. Department of Commerce’s Ghana Country Commercial Guide dated November 26, 2023.

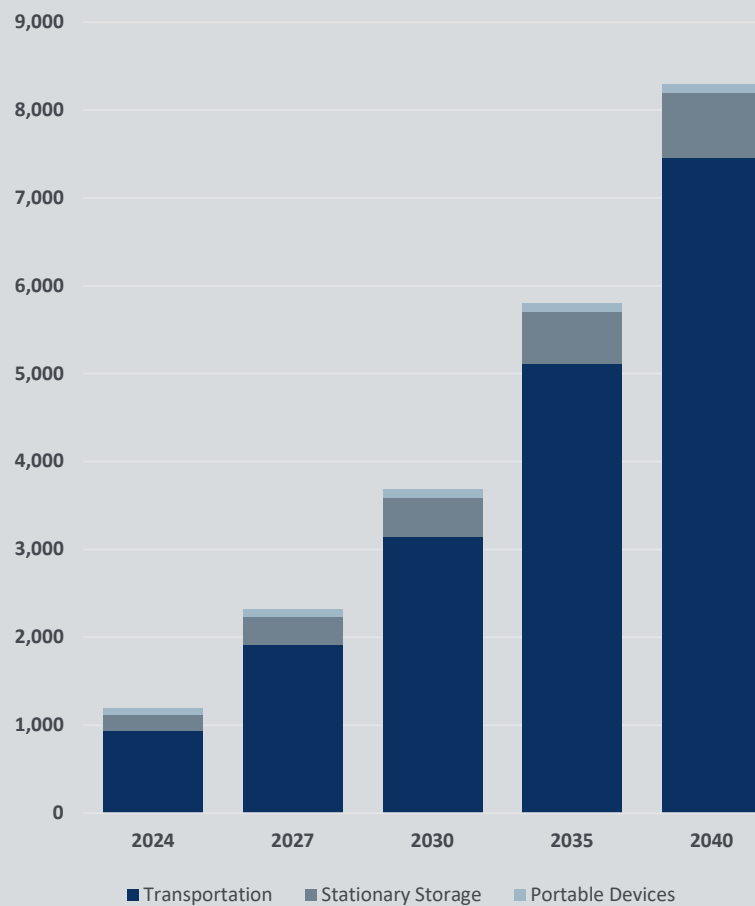
LITHIUM MARKET TRENDS

Global EV Penetration



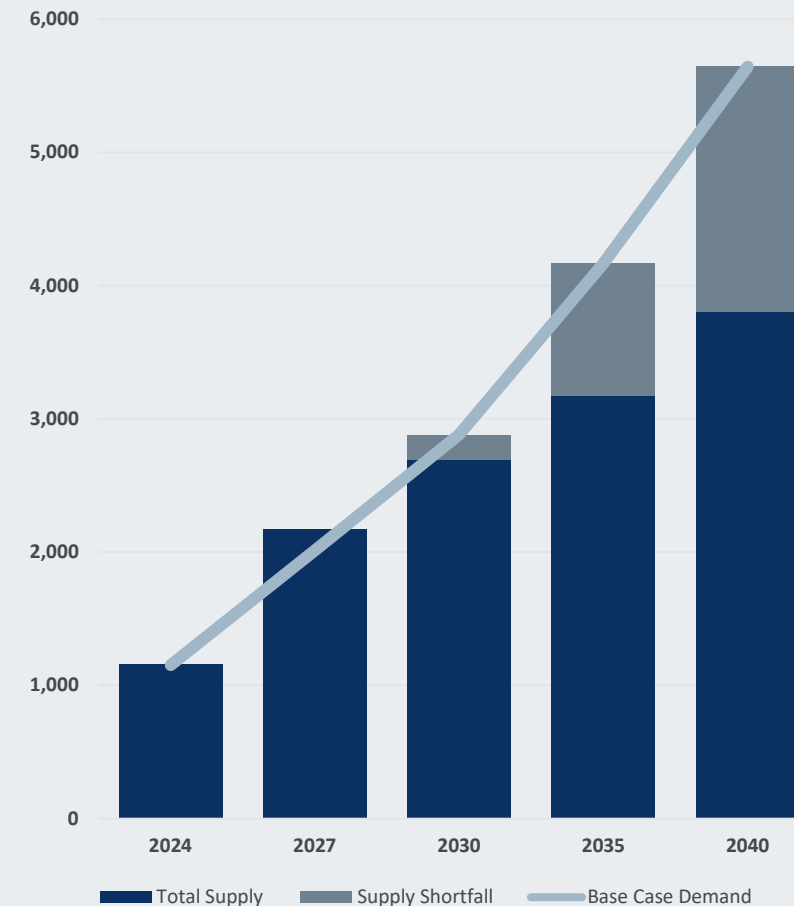
Source: Benchmark Minerals Intelligence - Lithium Forecast, Q1 2024.

Battery Demand by Application (GWh)



Source: Benchmark Minerals Intelligence - Lithium Forecast, Q1 2024.

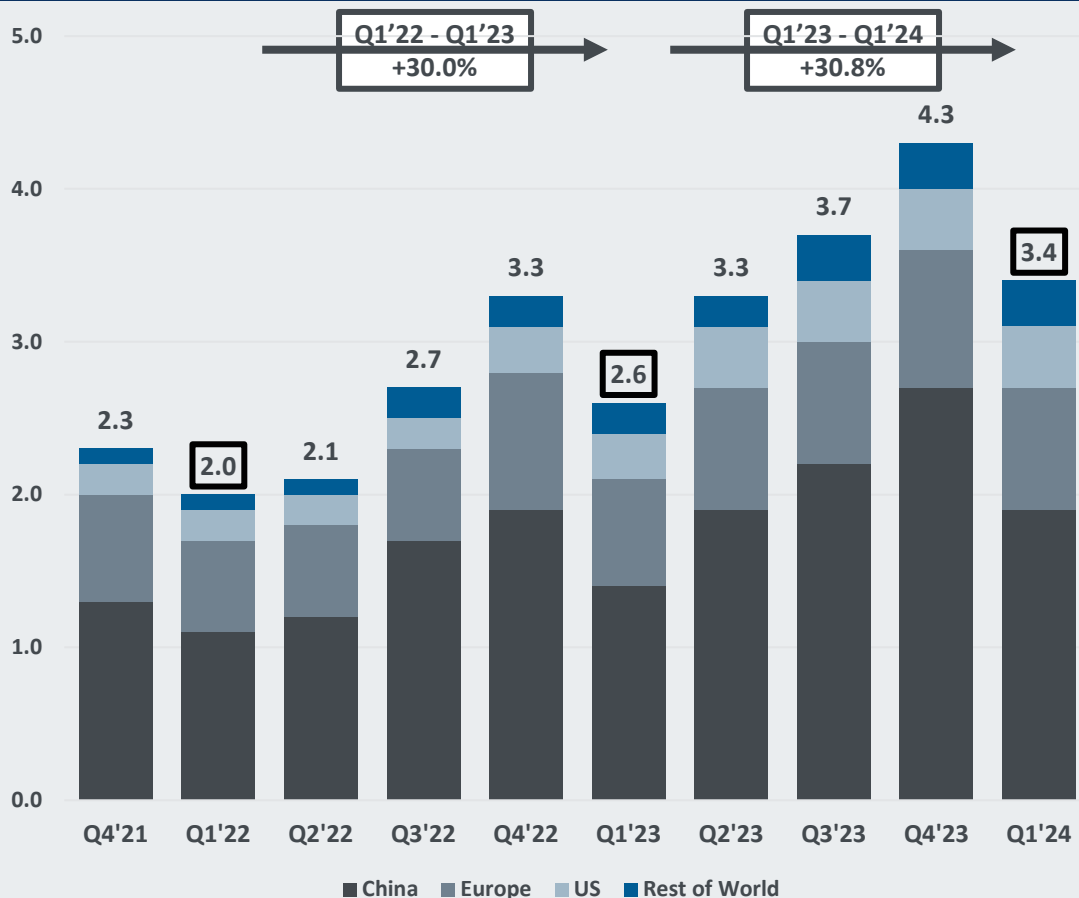
Lithium Supply Shortfalls Expected (Kt LCE)



Source: Benchmark Minerals Intelligence - Lithium Forecast, Q1 2024.

EV DEMAND GROWTH REMAINS STRONG

Global EV Sales (millions)



April Sales Updates



Ford Motor Company reported sales of 8,019 EVs in April 2024, a 129% increase from April 2023. The company sold 28,242 EVs through April, marking a 97% increase from a year ago. - Ford Motor Company, May 2, 2024



"The company's electrified models, with a fully electric or plug-in hybrid powertrain, grew 53% compared to the same period last year and accounted for 48% of all cars sold during April." - Volvo Cars, May 6, 2024



"NIO delivered 15,620 vehicles in April 2024, increasing by 135% year-over-year." - NIO, May 1, 2024



"Kia America shattered its all-time monthly EV sales record, increasing 61% over the previous record set in April 2022." - Kia North America, May 1, 2024



"BYD continued to increase its global plug-in electric car sales quickly in April, achieving a new second-best-ever monthly result and approaching the record set in December 2023. BYD's all-electric car sales in April amounted to 134,465, up 29% year-over-year." - InsideEVs, May 2, 2024



"Hyundai's electrified (hybrid, plug-in hybrid and electric vehicle) sales grew 26% while battery electric sales grew 31%." - Hyundai Motor America, May 1, 2024

RECENT INDUSTRY NEWS

Honda Motor Plans to Invest Over \$60 Billion on EV Strategy

Wall Street Journal, May 16, 2024

Biden announces 100% tariff on Chinese-made electric vehicles

The Guardian, May 14, 2024

Global EV sales are 'robust' – more than 1 in 5 cars sold in 2024 will be electric

Electrek, April 22, 2024

Green Transition Set to Face Critical Minerals Shortfall, IEA Says

Wall Street Journal, May 17, 2024

Global EV sales reached 1.1 million units sold in April 2024, growing by 21% y-o-y.

Rho Motion, May 16, 2024

Stellantis CEO says \$25,000 Jeep EV coming to the U.S. 'very soon'

CNBC, May 29, 2024

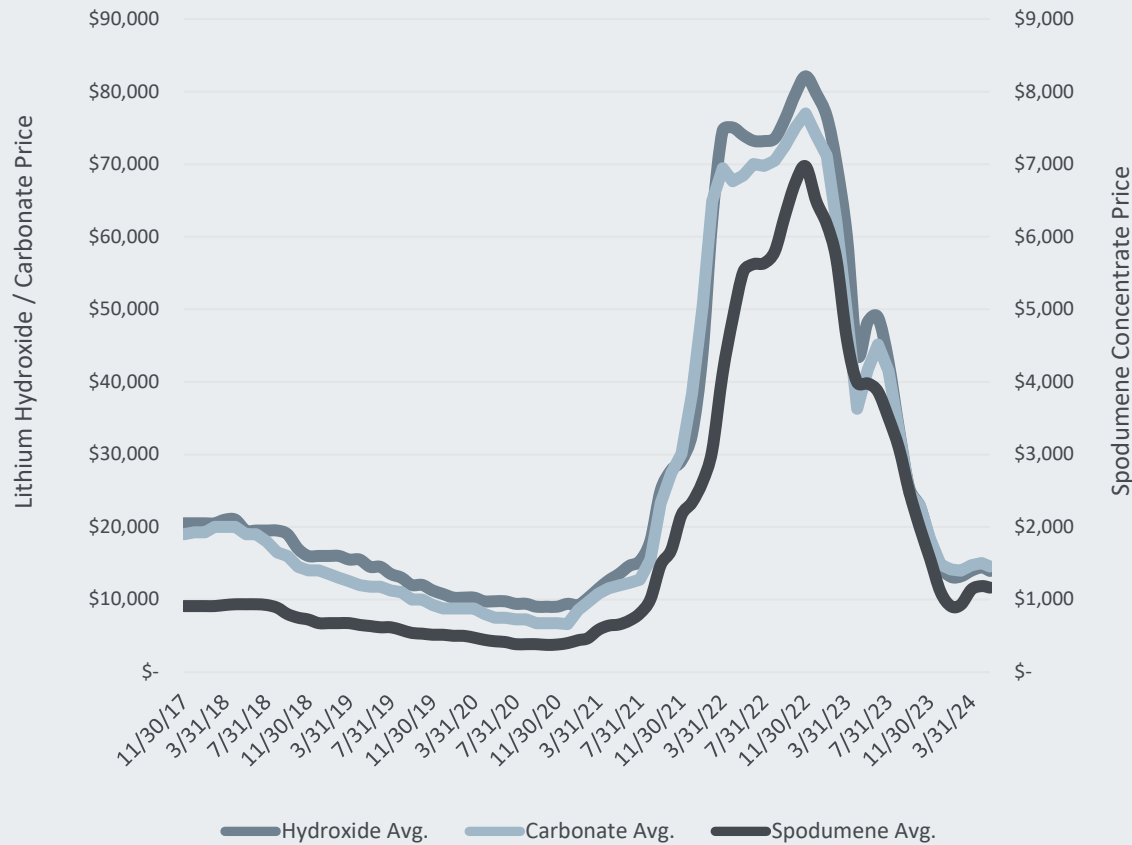
The Slowdown in US Electric Vehicle Sales Looks More Like a Blip

Bloomberg, May 28, 2024

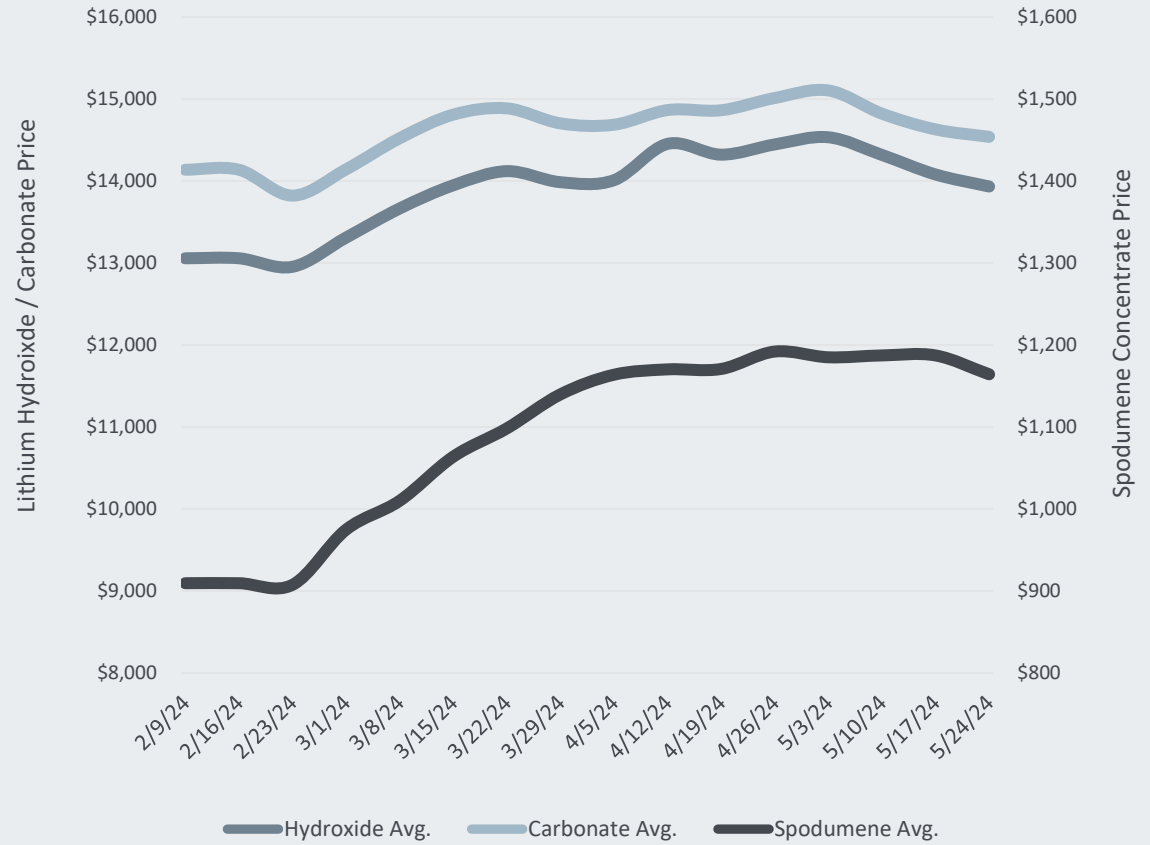
LITHIUM PRICES

Prices have rebounded off lows

Long-term Average Reported Prices (\$/t)



Trailing 16-Week Average Reported Prices (\$/t)



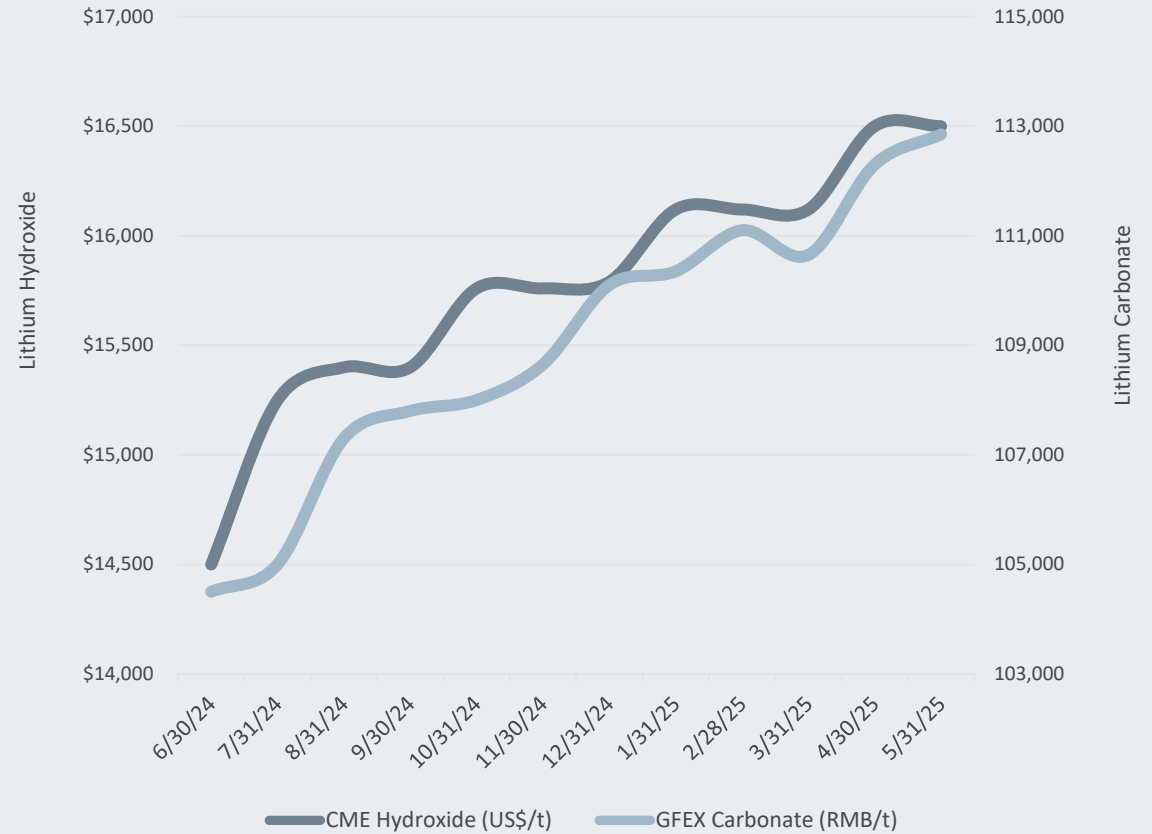
LITHIUM PRICES

Futures markets pricing in a rebound

Historical Commodity Price Returns

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Pd	Li	Coal	Pd	Pd	Pd	Ag	Li	Li	Au
Ni	Pb	Zn	Li	Natural Gas	Crude Oil	Cu	Coal	Ni	Cu
Li	Au	Natural Gas	Al	Au	Ni	Pd	Crude Oil	Natural Gas	Al
Zn	Coal	Crude Oil	Coal	Ag	Pt	Au	Natural Gas	Pt	Ag
Al	Ag	Pd	Cu	Pt	Au	Zn	Al	Crude Oil	Pt
Au	Al	Cu	Zn	Ni	Ag	Ni	Zn	Ag	Coal
Pt	Natural Gas	Ag	Ni	Al	Cu	Natural Gas	Ni	Pb	Crude Oil
Cu	Pt	Al	Pb	Cu	Al	Li	Cu	Au	Zn
Coal	Cu	Ni	Au	Pb	Pb	Pt	Pb	Pd	Pd
Pb	Zn	Pb	Crude Oil	Coal	Zn	Al	Au	Cu	Pb
Ag	Pd	Au	Ag	Zn	Coal	Pb	Pt	Al	Natural Gas
Natural Gas	Crude Oil	Pt	Pt	Crude Oil	Natural Gas	Coal	Ag	Zn	Ni
Crude Oil	Ni	Li	Natural Gas	Li	Li	Crude Oil	Pd	Coal	Li

Futures



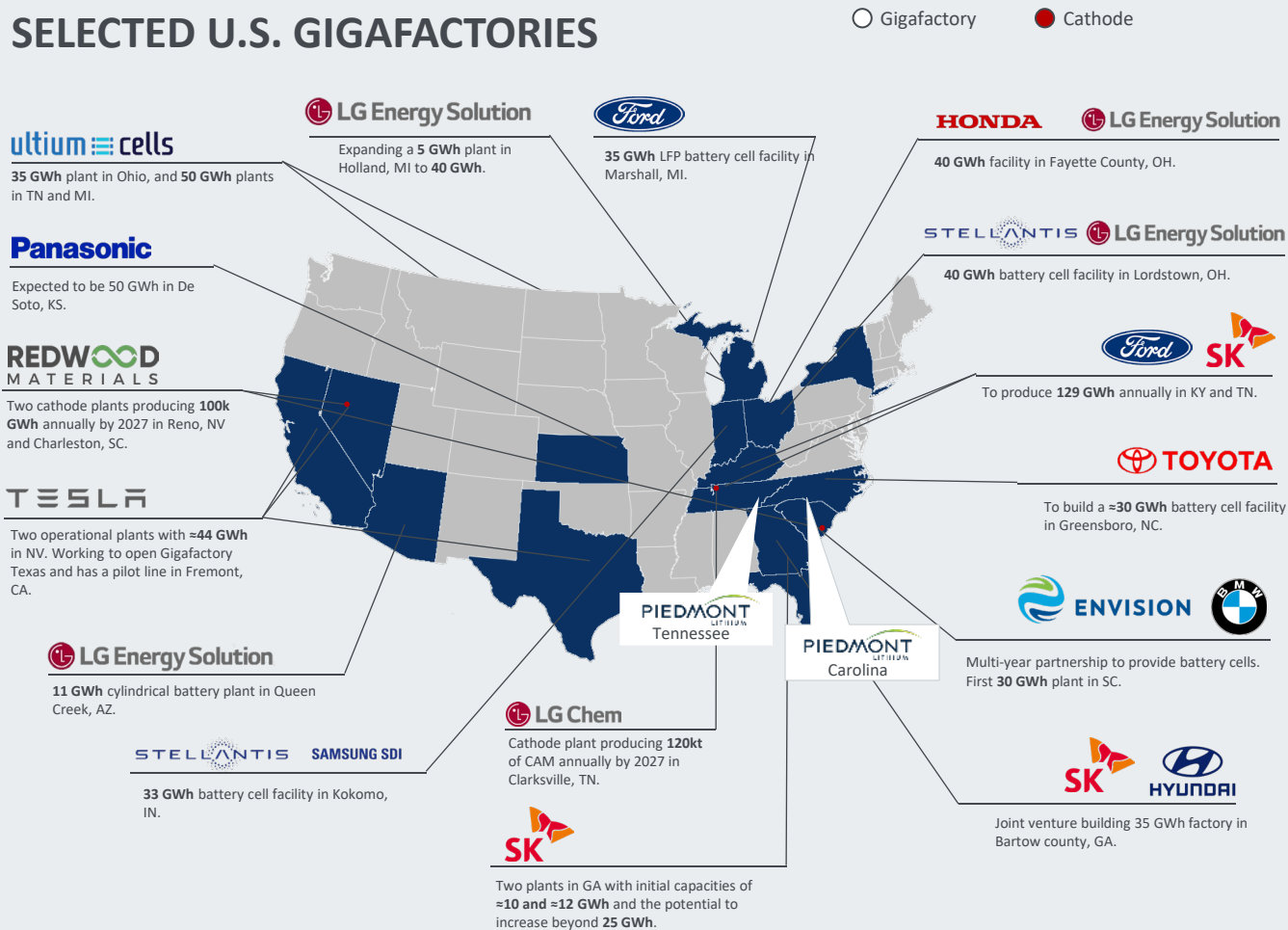
Lithium Hydroxide Source: Chicago Mercantile Exchange as of May 28, 2024

Lithium Carbonate Source: Guangzhou Futures Exchange as of May 28, 2024

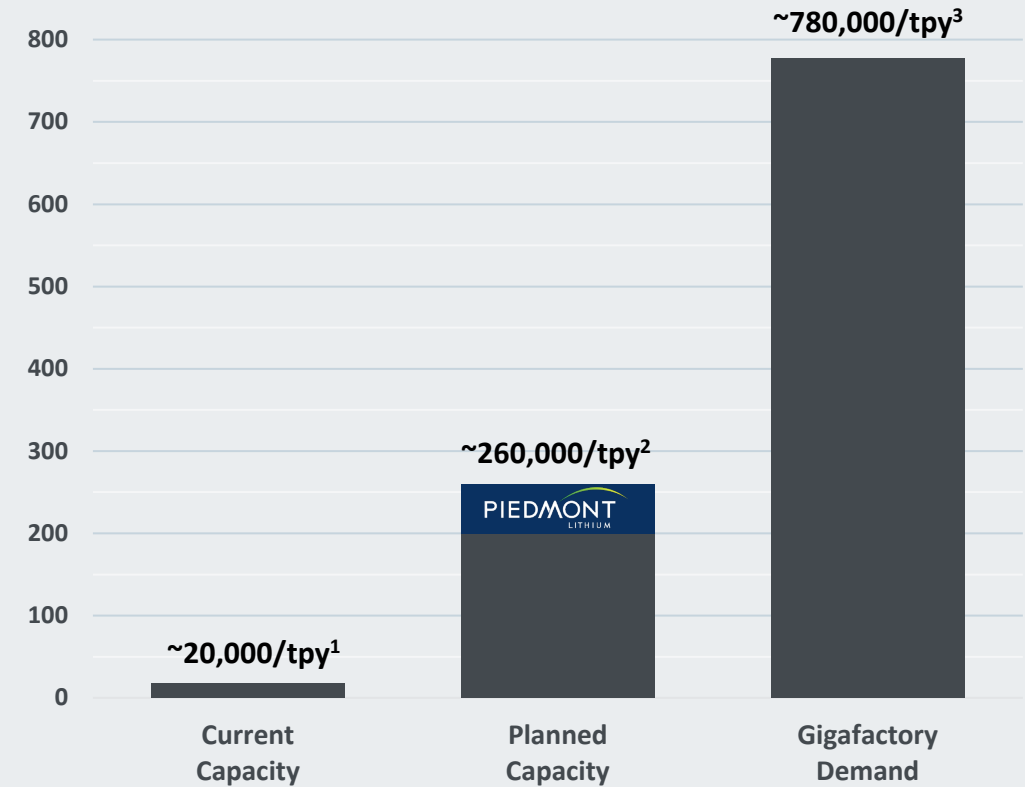
U.S. SUPPLY CHAIN DEVELOPMENT

U.S. battery plants expected to require ~40x¹ current U.S. lithium hydroxide capacity

SELECTED U.S. GIGAFACTORIES



ANNOUNCED ANNUAL GIGAFACTORY DEMAND AND FUTURE US LIOH SUPPLY



(1) Based on 2023 U.S. capacity of 20k tonnes per year (“tpy”) reported from U.S. facilities and estimated gigafactory demand of ~778k tpy.

(2) Estimated supply based on existing capacity, supplier technical studies, and corporate announcements.

(3) Estimated demand is calculated based on a 1.0 Mt LiOH intensity per MWh of demand.

2024 CATALYSTS

USA

- Secure Mine Permit for Carolina Lithium
- Project finance / ATVM loan application
- Strategic partnering and lithium hydroxide offtake

QUEBEC

- Installation of crushed ore storage dome
- Transition PLL offtake from spot shipments to LT customer deliveries
- Updated Mineral Resource Estimate and Ore Reserves


GHANA

- Ratification of Mining Lease
- Completion of \$28mm MIIF project-level investment
- Secure offtake funding to address PLL capital requirements

CORPORATE

- Raise non-dilutive capital to fortify balance sheet
- Manage operating and capital costs through bottom of the cycle
- Evaluate corporate and strategic positioning

PROJECTS

 Nasdaq :PLL

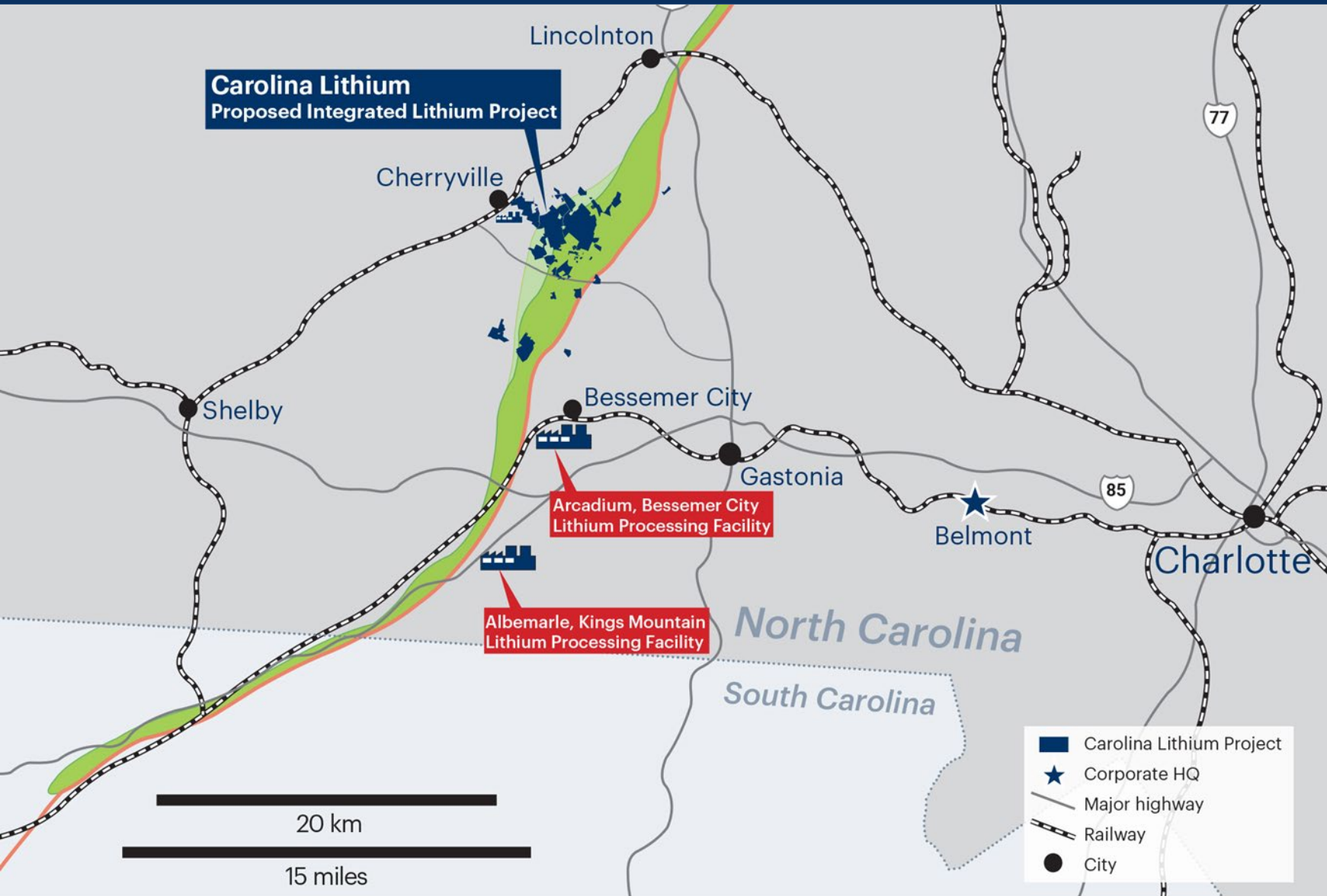
 ASX :PLL

ABN 50 002 664 495

LiOH

CAROLINA LITHIUM

Planned fully-integrated 30,000 tpy LiOH operation 100% owned by Piedmont Lithium



- Highly strategic project
- Located in the U.S. Battery Belt
- State Mining Permit issued

"We have to lead by example. And if we do that, we'll accelerate our self-dependence and eliminate reliance on China by decades. And that's why I support this project." U.S. Senator Thom Tillis, speaking at Piedmont's corporate HQ in Belmont, NC, August 31, 2022.



CAROLINA LITHIUM



Planned fully-integrated 30,000 tpy LiOH operation; State Mining Permit approval received April 2024

HIGHLIGHTS

- Located in Gaston County, NC, the cradle of the lithium business
- First world infrastructure
- Single integrated site
- Skilled local labor
- Proximity to lithium and byproduct markets
- Projected to be a low cost producer
- 100% of lithium attributable to spodumene
- Mineralization at shallow depth

UPCOMING MILESTONES

- Air permit
- Land rezoning
- DOE ATVM loan application
- Strategic partnering / offtake



2021 DFS RESULTS¹

Location	North Carolina, USA
Project Stage	Feasibility Study
Product	Lithium Hydroxide
Resources	44.2Mt @ 1.08% Li ₂ O
Production	30,000tpy LiOH
Feedstock	242,000tpy SC6
Capex	\$988 million
Opex	\$4,377/t LiOH
EBITDA	\$459mm first 10 years
After tax NPV _{8%}	\$2.0 billion
After tax IRR	27%
Payback	3.5 years

1. Refer to results of PLL Bankable Feasibility Study announcement dated December 14, 2021, a copy of which can be found on our Company website or in our SEC filings. Estimates prepared pursuant to SEC S K 1300 and the JORC Code.

CAROLINA LITHIUM

North Carolina location provides competitive advantages

Advantageous Project Location

- **Low-cost operating environment**
 - Exceptional road and rail infrastructure
 - Low-cost local power and gas
 - Minimal transport distances
 - Educated regional workforce – no need for fly-in/fly-out camp
- **Proximity to customers**
 - In the heart of the U.S. Battery Belt
 - Numerous cathode, battery and EV plants under construction
 - Local markets for by-product minerals quartz, feldspar, and mica
- **Low taxes and royalties**
 - US has low corporate tax rates and favorable depletion allowance
 - Attractive effective tax rate on spodumene operation
 - Private land; no government royalties
 - U.S. does not have value-added tax
- **Supportive government programs**
 - Tax credits available under the Inflation Reduction Act
 - Low-cost debt funding via DOE ATVM Loan Program

Attractive Funding Options

- Department of Energy ATVM loan program
- Potential strategic partners offer capital, offtake, and technical support



CAROLINA LITHIUM

Byproducts serve important markets while providing credits to operating costs



PIEDMONT
LITHIUM
CORE SAMPLE



SPODUMENE

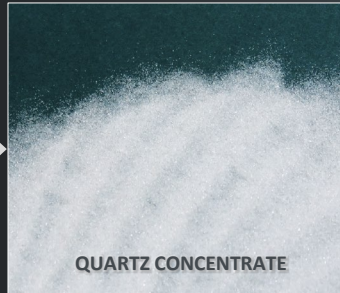
QUARTZ

FELDSPAR

MICA



QUARTZ



QUARTZ CONCENTRATE



SOLAR GLASS



QUARTZ COUNTERTOPS



FELDSPAR



FELDSPAR CONCENTRATE



CERAMIC TILE



AUTO BODIES



MICA



MICA CONCENTRATE



PAINTS



AUTOMOTIVE PAINTS

QUEBEC

Joint venture operates North America's largest source of hard rock production



HIGHLIGHTS

- Piedmont Interest
 - 25% of Sayona Quebec
 - Offtake greater of 50% or 113,000tpy SC with ceiling price of \$900/t¹
- Among Canada's largest and best located lithium projects
- Good road and rail access
- Skilled local labor and contractors
- Low cost renewable hydroelectricity

ACHIEVEMENTS²

- Record quarterly production in Q1'24
- Crushed ore dome commissioning

UPCOMING MILESTONES

- Completion of optimization work
- Reserve update from recent drilling
- DFS for on site carbonate refinery



North American Lithium Spodumene Concentrator

FACT SHEET

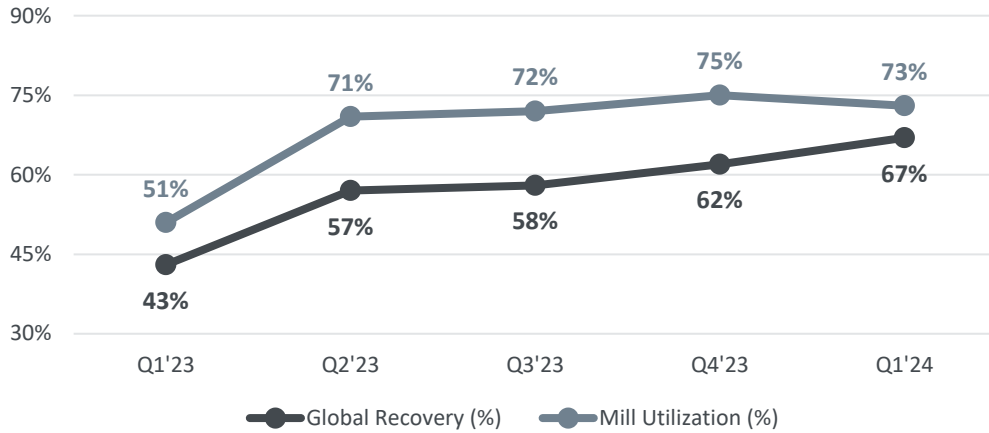
Location	Québec
Business	Spodumene Concentrate
SYA Fiscal '24 Guidance ³	Production: 140,000 160,000 Sales: 160,000 180,000
PLL Offtake ¹	Greater of 50% of production or 113,000tpy
Offtake Price	Price Floor: \$500/t SC6 Price Ceiling: \$900/t SC6

1. Refer to Piedmont's announcement dated June 28, 2022 for a summary of offtake agreement terms, a copy of which can be found in our SEC filings.
2. See Sayona Mining March 2024 Quarterly Activities Report filed with the ASX on April 25, 2024.
3. See Sayona Mining September 2023 Quarterly Activities Report filed with the ASX on October 30, 2023.

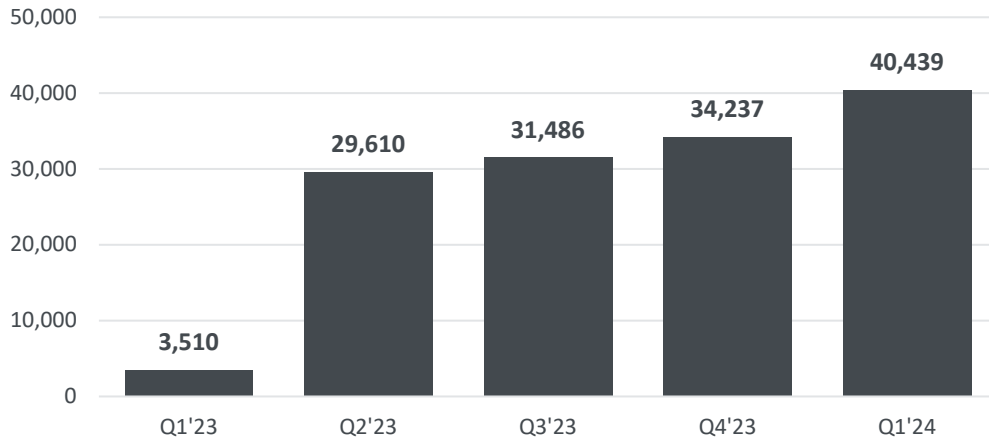
NORTH AMERICAN LITHIUM

Ramp-up continues at North America's largest producing spodumene operation

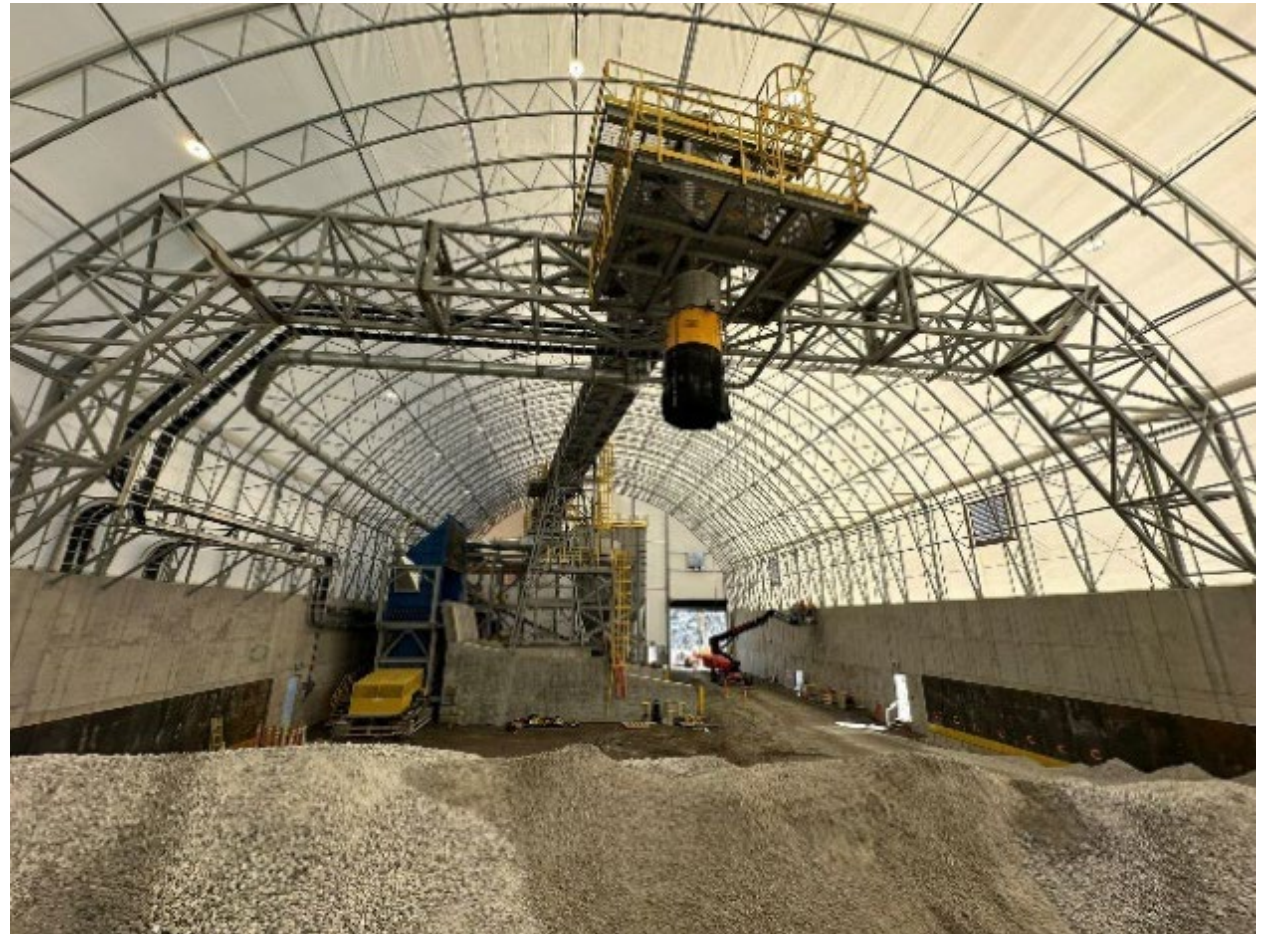
NAL Global Recovery and Mill Utilization



NAL Concentrate Production



Crushed Ore Storage Dome



NAL CHECKS ALL THE BOXES

Canada's most advanced spodumene operation

Project	Owner	Reserves	DFS	Permitted	Funded	Operational
NAL		✓	✓	✓	✓	✓
Whabouchi		✓	✓	✓	✓	✗
Galaxy		✓	✓	✓	✓	✗
Rose		✓	✓	✓	✗	✗
Moblan		✓	✓	✗	✗	✗
PAK / Spark		✓	✗	✗	✗	✗
Corvette		✗	✗	✗	✗	✗
Adina		✗	✗	✗	✗	✗

STRONG CUSTOMER AGREEMENTS IN PLACE



Supply agreements provide leverage to lithium prices; Piedmont purchase price capped at \$900/t SC6 ceiling

PIEDMONT AS CUSTOMER



113,000TPY SC – LOM¹

- > 113,000tpy or 50% of production
- SC6 market price subject to \$500/t floor & \$900/t ceiling
- Life of mine
- Secondary feedstock for Tennessee
- Evaluating options for conversion in Quebec

PIEDMONT AS SUPPLIER



200,000T SC – 4 YEARS²

- Priced with reference to SC6 market pricing



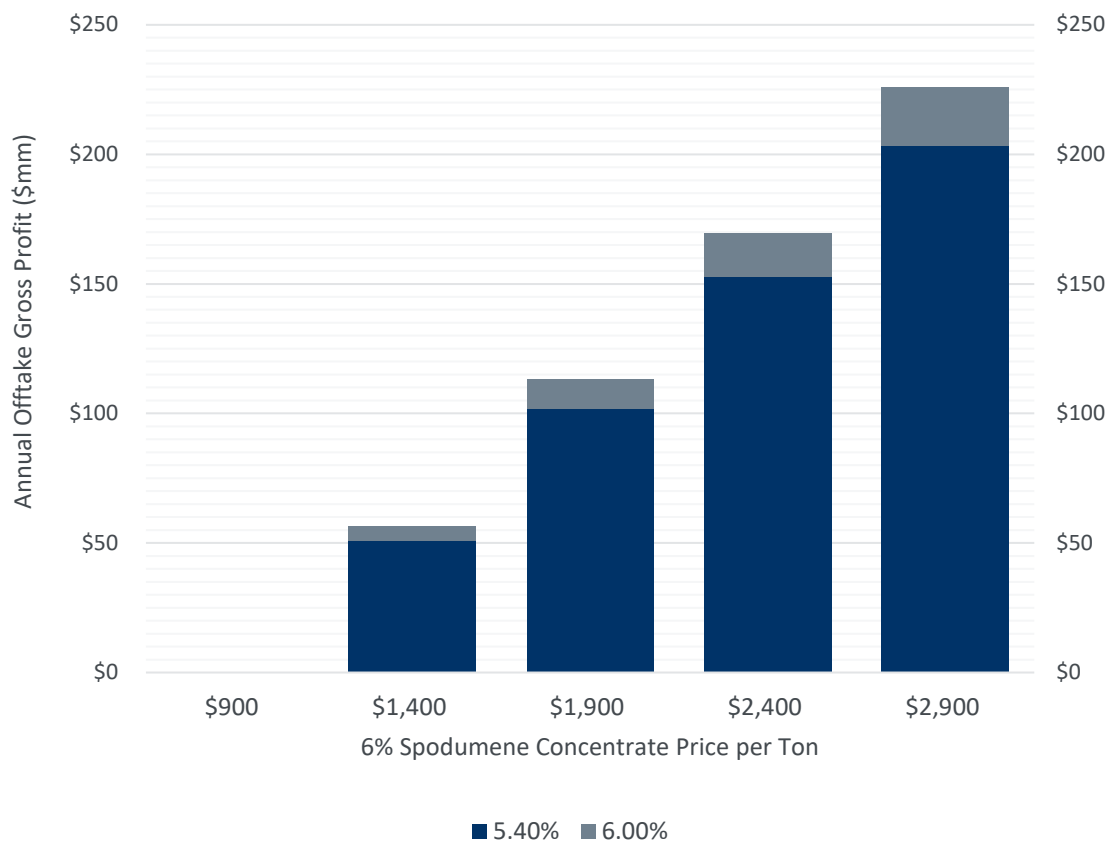
125,000T SC – 3 YEARS³

- Priced with reference to LiOH market pricing

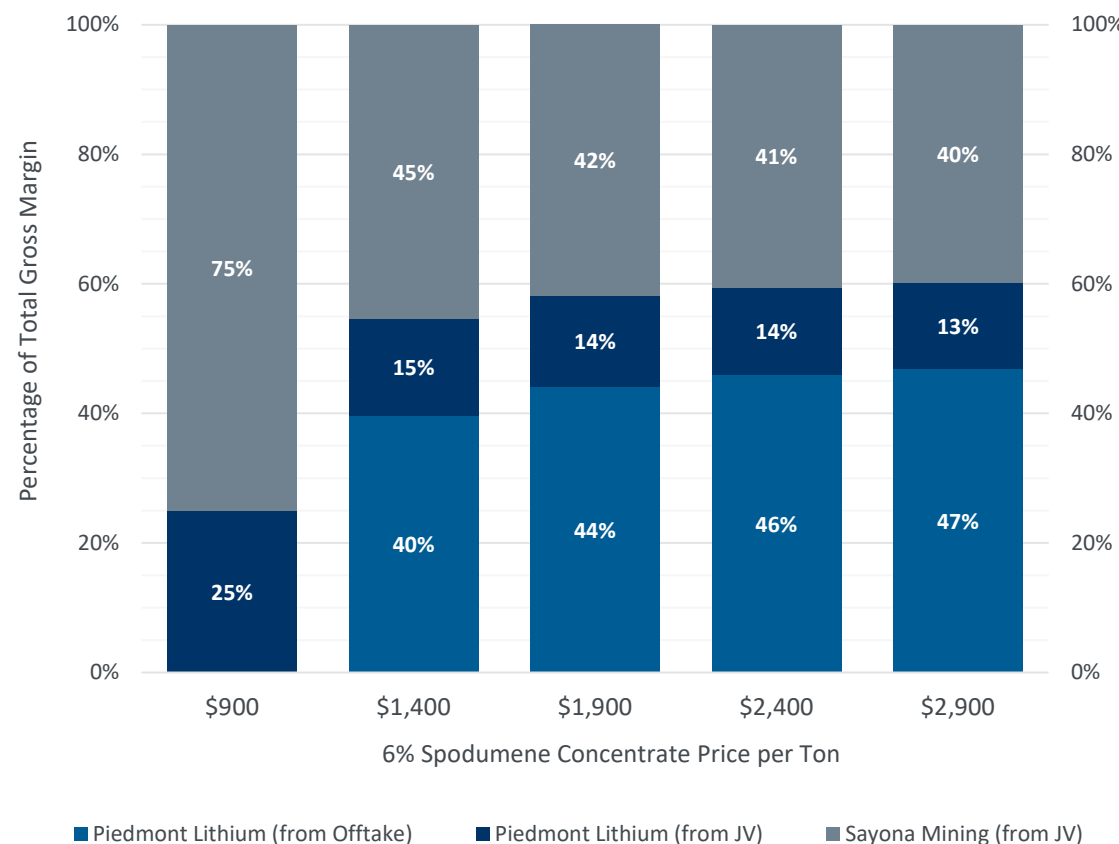
SIGNIFICANT ECONOMICS AT NAL

NAL offtake price ceiling drives attractive economics for Piedmont

Illustrative Margin from NAL Offtake (113ktpy SC)



Share of NAL Margin at Different Lithium Prices



Illustrative gross profit calculated at various spodumene concentrate prices, assuming Piedmont pays the listed 6% spodumene concentrate price per ton subject to a floor and ceiling price of \$900/t and \$500/t SC6, respectively. NAL production of 226ktpy and \$691/t cash cost sourced from NAL DFS filed with the ASX by Sayona Mining on April 14, 2023. Assumes Piedmont sales are conducted at the listed 6% spodumene concentrate price per ton adjusted for concentrate grade. Piedmont's purchase price follows the terms outlined in its offtake from North American Lithium adjusted for concentrate grade. Additional costs (e.g., freight and insurance) are not included. The share of NAL margin utilizes a 5.4% concentrate grade.

STRONG RECENT DRILL RESULTS

Recent Drilling Indicates Potential for Reserve Upgrades and Mine Life Extension

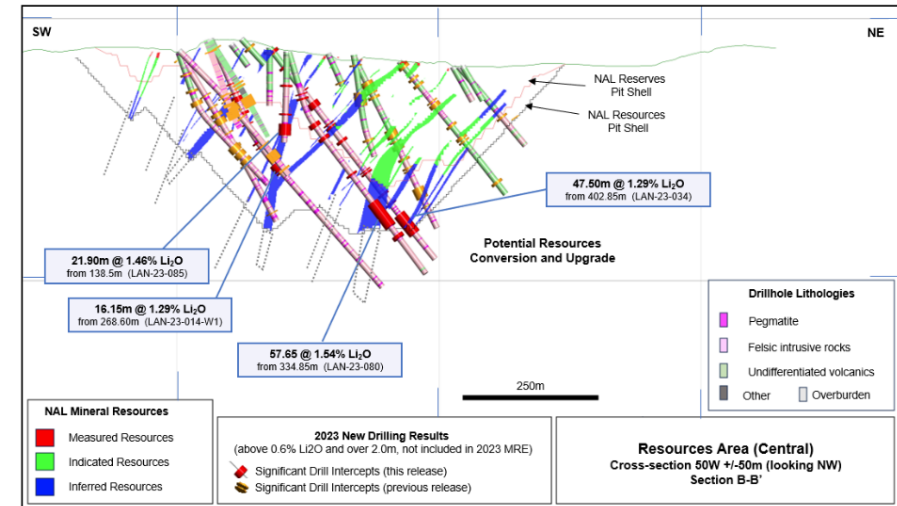
Resource Area - Potential Resources Upgrade or Conversion

- 45.20m @ 1.03% Li₂O from 206.85m in drillhole LAN-23-019
- 68.30m @ 1.58% Li₂O from 253.55m in drillhole LAN-23-032
- 47.50m @ 1.29% Li₂O from 402.85m in drillhole LAN-23-034
- 67.15m @ 1.44% Li₂O from 353.95m in drillhole LAN-23-037
- 25.65m @ 1.56% Li₂O from 320.75m in drillhole LAN-23-044
- 43.25m @ 1.48% Li₂O from 377.75m in drillhole LAN-23-053A
- 17.95m @ 1.81% Li₂O from 168.80m in drillhole LAN-23-062
- 21.40m @ 1.43% Li₂O from 46.95m in drillhole LAN-23-075
- 57.65m @ 1.54% Li₂O from 334.85m in drillhole LAN-23-080
- 21.90m @ 1.46% Li₂O from 138.50m in drillhole LAN-23-085
- 22.80m @ 1.36% Li₂O from 106.30m in drillhole LAN-23-118

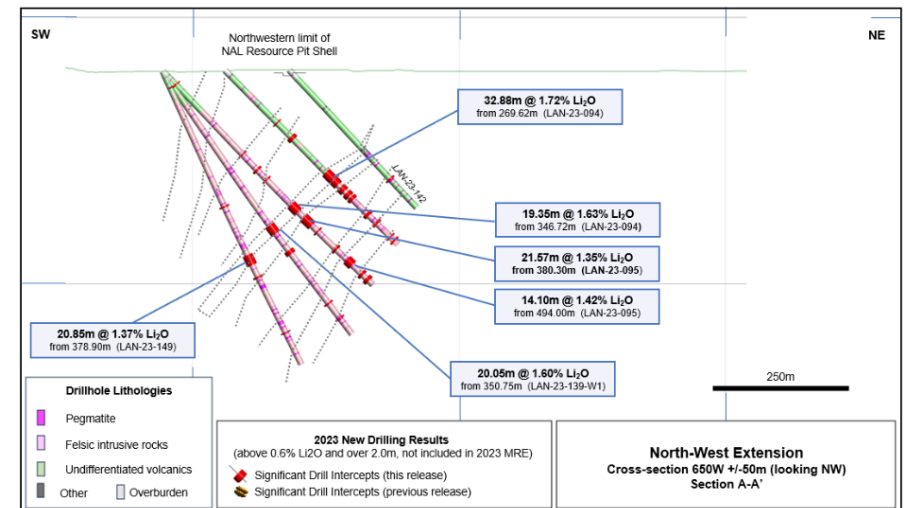
Northwest Extension - New Pegmatites

- 32.88m @ 1.72% Li₂O from 269.62m in drillhole LAN-23-094
- 19.35m @ 1.63% Li₂O from 346.72m in drillhole LAN-23-095
- 20.5m @ 1.60% Li₂O from 350.75m in drillhole LAN-23-139-W1

Resource Area (Central)



Northwest Area - New Pegmatites



GHANA

The Ewoyaa Lithium Project received Ghana's first Mining Lease for lithium



HIGHLIGHTS

- Piedmont Interest¹
 - Earning 50% of Ghanaian lithium portfolio
 - Offtake 50% of life of mine production at market
- Mining friendly jurisdiction
- 70 miles from major port along national highway
- Coarse grained spodumene implies low capex DMS flowsheet
- Adjacent hydroelectric powerlines

UPCOMING MILESTONES

- Management targeting 2024 Mining Lease ratification and permitting
- Completion of MIIF investment
- Funding alternatives for Piedmont's share of capex



Proposed Ewoyaa Project Processing Plant and Infrastructure

FACT SHEET²

Location	Ghana
Business	Spodumene Concentrate
Production	365,000tpy SC
PLL Offtake	50% of annual production
Capex	\$185mm
Opex	\$377/t
After tax NPV _{8%}	\$1.3bb
After tax IRR	94%

1. Piedmont has an earn in agreement for 50% of the Ewoyaa project prior to Ghanaian government and potential MIIF interest.
2. Production is based on a Definitive Feasibility Study, which includes the use of inferred resources, filed with the AIM by Atlantic Lithium on June 29, 2023. See disclaimer on slide 3 for additional information related to Atlantic Lithium's Mineral Reserves and Resources. Economics are based on the parameters defined in the DFS and agreed terms of the Ewoyaa Mining Lease. See Atlantic Lithium AIM announcement dated October 20, 2023.

TENNESSEE LITHIUM

100% owned by Piedmont Lithium



HIGHLIGHTS

- 30,000tpy proposed LiOH production
- Spodumene feed expected from market sources, including offtake agreement with Atlantic Lithium
- Excellent rail, river, and road transport
- Key permits received

UPCOMING MILESTONES

- Project finance / ATVM loan application
- Strategic partnering
- Lithium hydroxide offtake



Tennessee Lithium Proposed Site Plan

FACT SHEET¹

Location	Etowah, McMinn County, TN
Product	Lithium Hydroxide
Production	30,000tpy LiOH
Feedstock	196,000tpy SC6
Capex	\$809mm
Opex	\$13,673/t LiOH
EBITDA	\$376mm
After tax NPV _{8%}	\$2.5bb
After tax IRR	32%
Payback	2.8 years

1. Refer to announcement "Piedmont Lithium Completes Definitive Feasibility Study of Tennessee Lithium Project" dated April 20, 2023, a copy of which can be found on our Company website or in our SEC filings.

LiOH

PIEDMONT
LITHIUM

CORPORATE PRESENTATION

June 2024

 Nasdaq :PLL

 ASX :PLL

ARBN 647 286 360

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