

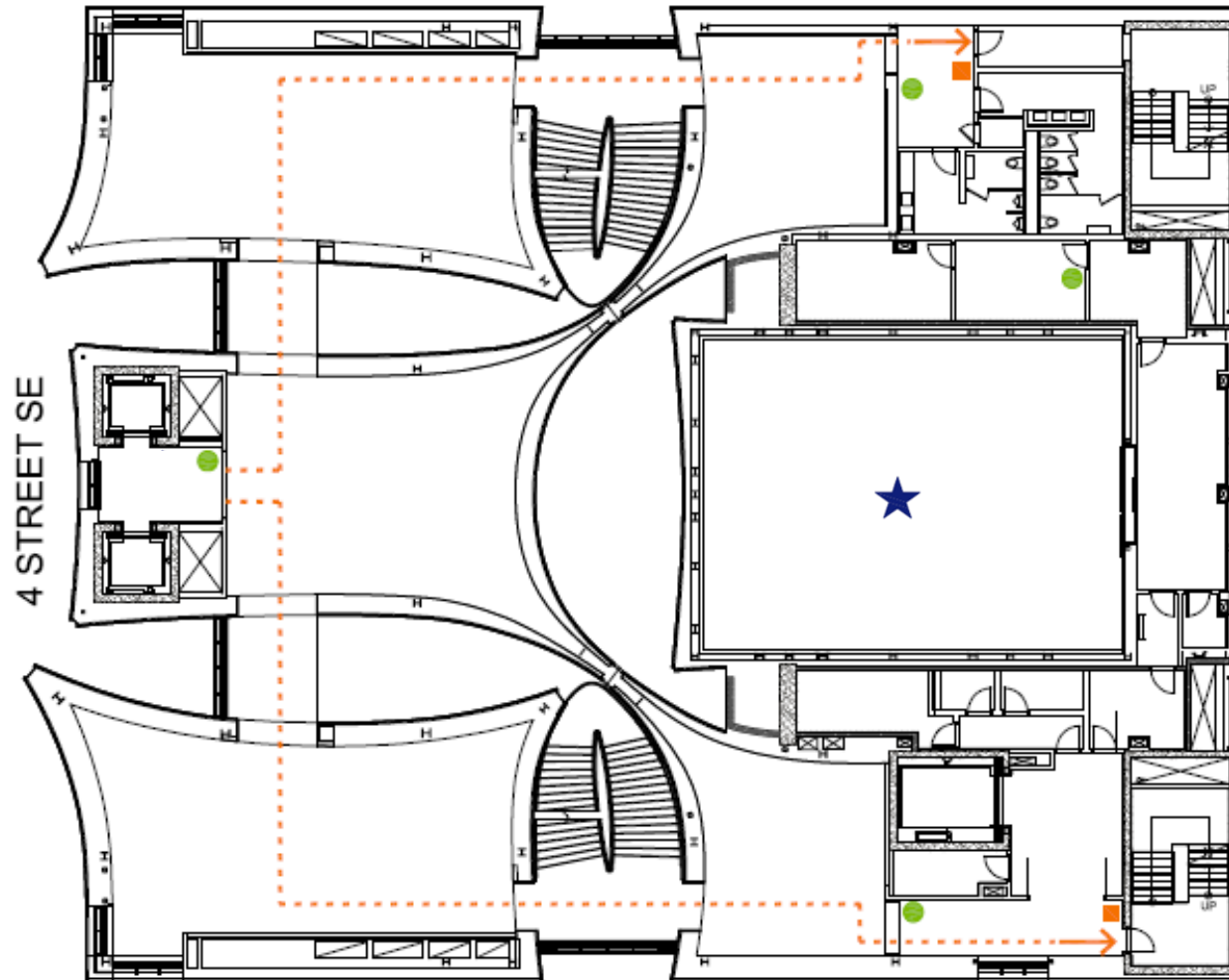


# E3 Lithium Investor Day

OCTOBER 4, 2023



# Emergency Evacuation Procedures



- ★ You Are Here
- Fire Extinguisher
- Fire Pull Station
- Exit

# Agenda

Topic	Speaker	Time
Opening Remarks	John Pantazopoulos Chairman of the Board	2:10 p.m.
E3 Lithium: Past, Present & Future	Chris Doornbos President, CEO & Director	2:15 pm.
Project Development Panel	Kevin Carroll Chief Development Officer Peter Ratzlaff VP, Resource Development Caroline Mussbacher Director, Lithium Extraction Josh Rubenstein Director, Process Engineering Jody Calvert Manager, Engineering	2:45 p.m.
Strategy and Sustainability Panel	Raymond Chow Chief Financial Officer Leigh Clarke VP, Corporate Development Robin Boschman Director, External Relations Brian Ceelen Director, Commercial Development	3:10 p.m.



# Agenda

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Topic	Speaker	Time
<i>Break</i>		3:30 p.m.
Financial Update	Raymond Chow Chief Financial Officer	3:50 p.m.
Closing Remarks	Chris Doornbos President, CEO & Director	4 p.m.
Q&A		4:20 p.m.
<i>Reception</i>		



# Questions

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# Posting and Sharing

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**#E3InvestorDay23**



# Opening Remarks

**John Pantazopoulos**

Chairman of the Board



# E3 Lithium: Past, Present & Future

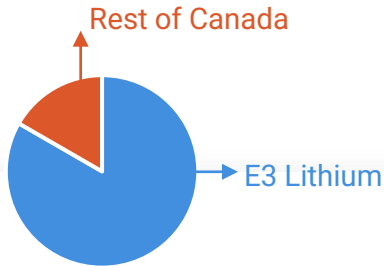
**Chris Doornbos**

President, CEO & Director





# Introduction to E3 Lithium



## Canada's largest high confidence lithium resource

E3 Lithium has 16.0 Mt of Measured & Indicated lithium in brine resources, 5x more than Canada's next largest M&I resource<sup>1</sup>.



## De-risked, high ESG extraction technology

E3 Lithium has outlined successful preliminary Direct Lithium Extraction pilot plant results, de-risking its commercialization plans.



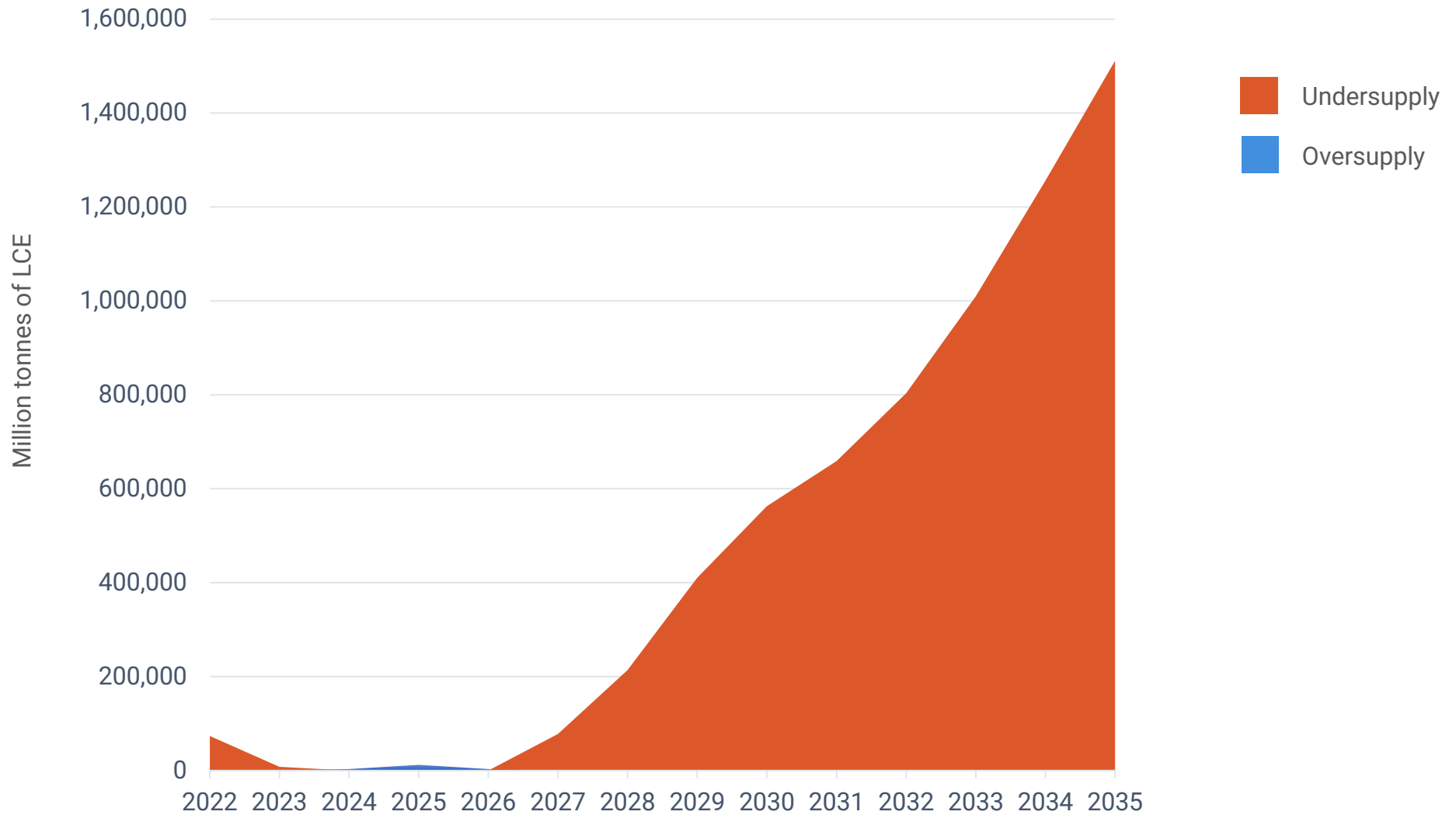
## Clear and ambitious pathway to commercialization

With a track record of success and proven ability to fund, staff, plan and execute on its plans, E3 Lithium is building western North America's critical minerals supply chain.

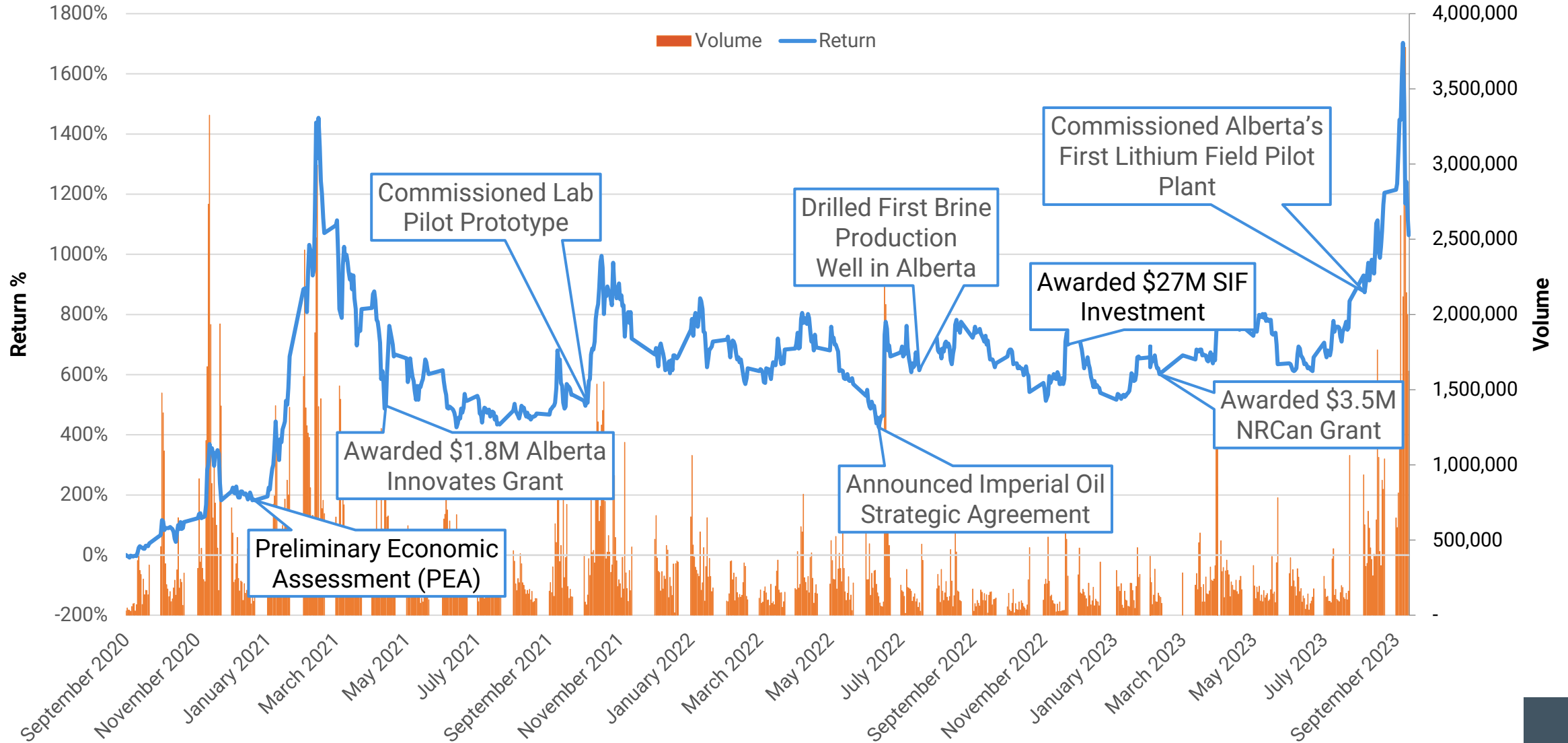
Source 1: Natural Resources Canada

**To be a global leader in responsibly-sourced lithium, fueling the global transition towards a brighter energy future.**

# Lithium Supply / Demand Imbalance



# Key Milestones



# E3 Lithium Through the Years





# E3 Lithium Through the Years



# 2023 Successes & Near-Term Catalysts

Upgraded resource to 16.0 Mt Measured & Indicated, Canada's largest



Selected **Fluor** as lead for Prefeasibility Study

Designed, built & began operations of Alberta's first Direct Lithium Extraction **field pilot plant**



Announced \$3.5M **federal grant** & raised >\$25M in capital markets



Produced **lithium carbonate** via proven battery-grade downstream conversion process



Announced central **land position** in Saskatchewan



Released preliminary **recovery, concentration and grade results** from pilot





# Livestream





# Project Development Panel

**Kevin  
Carroll**

Chief  
Development  
Officer

**Peter  
Ratzlaff**

VP, Resource  
Development

**Caroline  
Mussbacher**

Director, Lithium  
Extraction

**Josh  
Rubenstein**

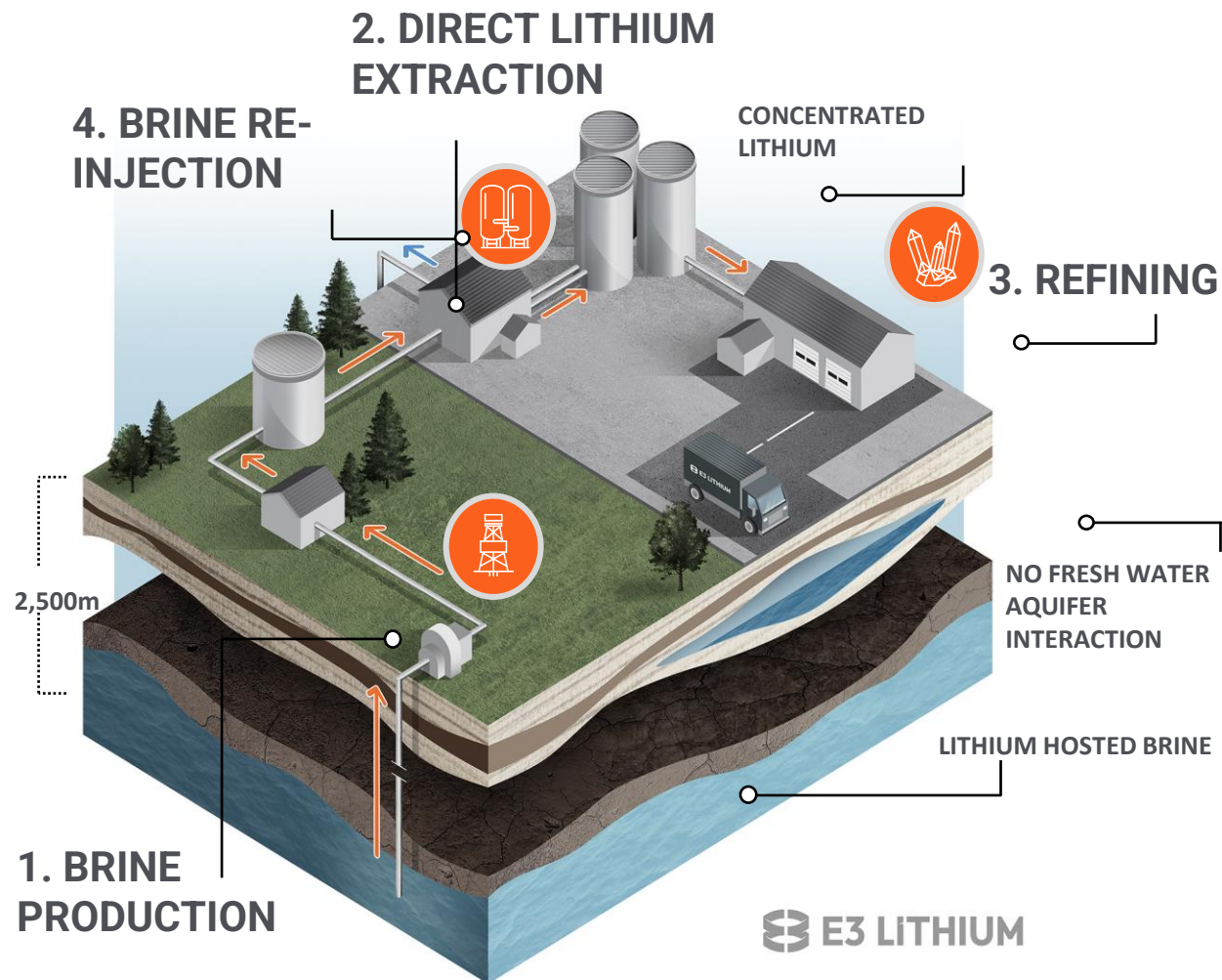
Director, Process  
Engineering

**Jody  
Calvert**

Engineering  
Manager



# Central Tenets of E3's Resource Production



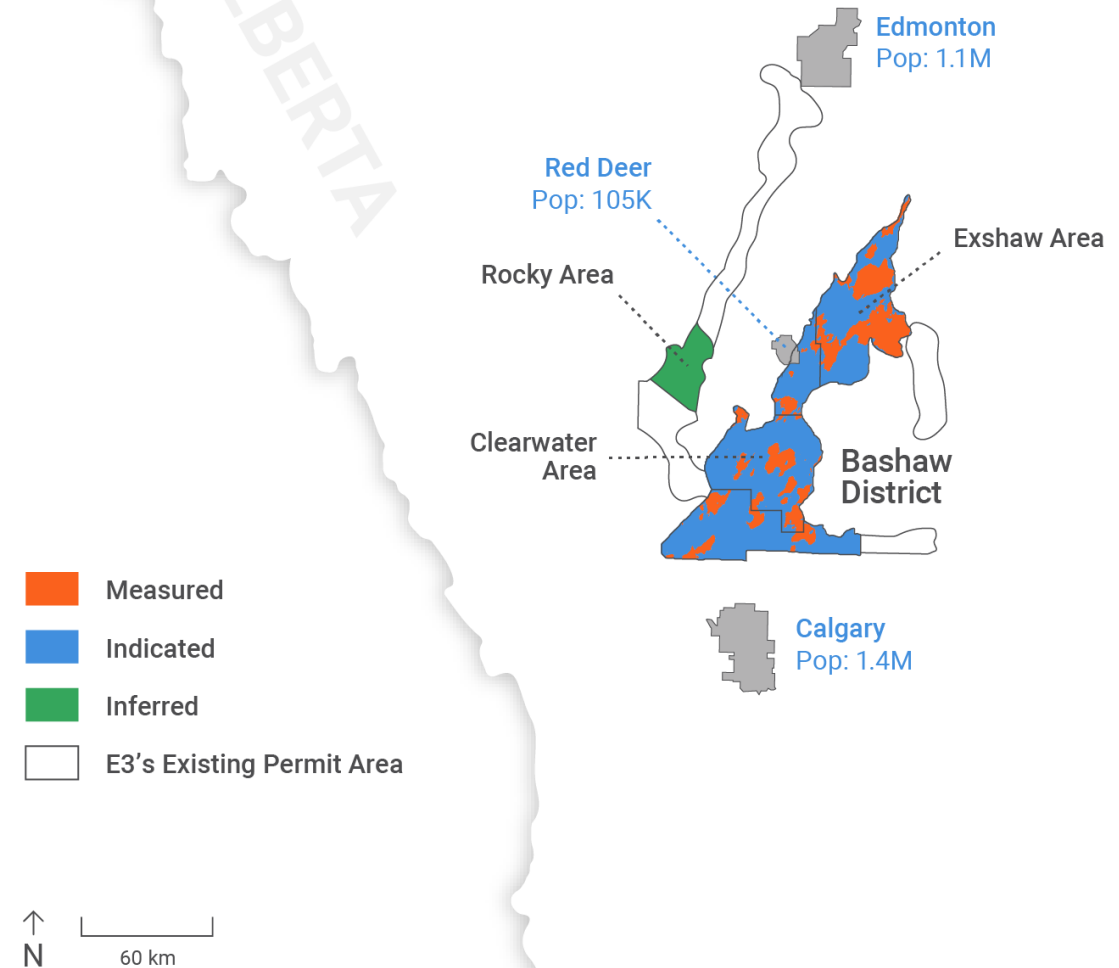
- 1 **Resource** confidence and brine production
- 2 **Extraction** of lithium from brine
- 3 Lithium **refining** to battery-grade
- 4 Brine **re-injection**



# Global-Scale M&I DLE Resources

Company	Location	M&I (Mt LCE)
Lithium Americas	U.S.	16.1
<b>E3 Lithium</b>	<b>Canada</b>	<b>16.0</b>
Jindalee Resources	U.S.	11.1
Vulcan Resources	Europe	10.1
Galan Lithium	Argentina	6.4
Standard Lithium	U.S.	4.2
Lake Resources	Argentina	2.9
Alpha Lithium	Argentina	2.1
Lithium Power International	Argentina	1.9
Lithium Chile	Chile, Argentina	1.7
Lithium South Development	Argentina	1.6
CleanTech Lithium	Chile	1.1
LithiumBank/Pristine	Canada	0.4
Anson Resources	Utah	0.3
Arizona Lithium	Canada & U.S.	0.2

Source: Company disclosures

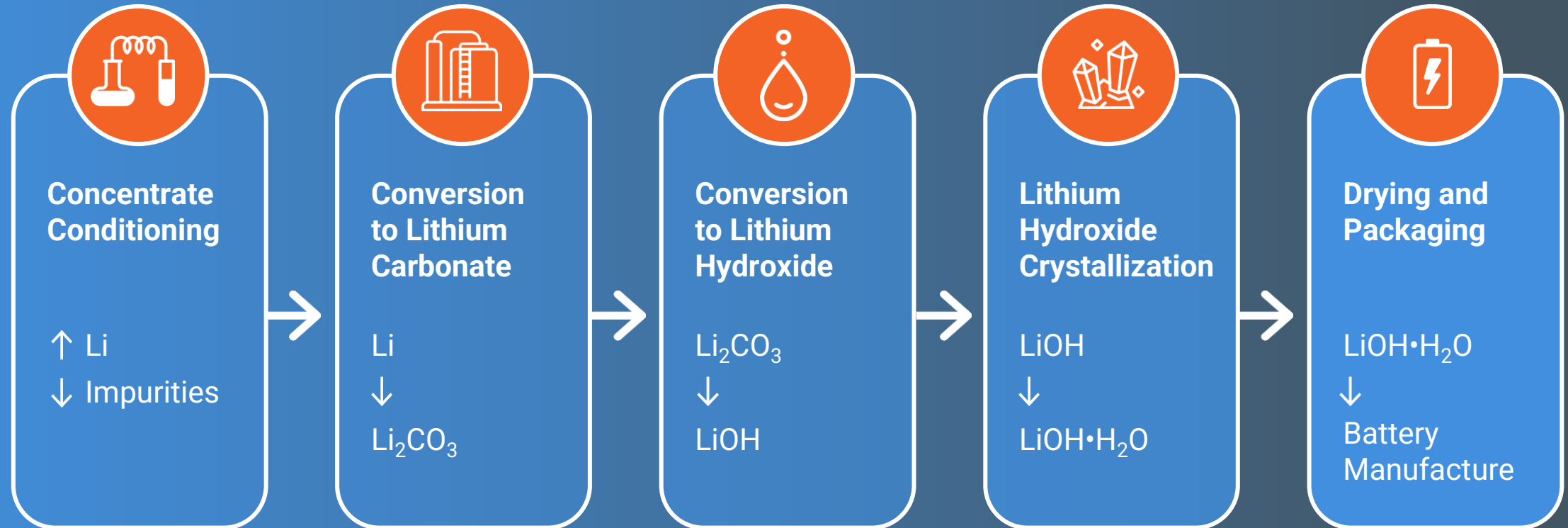




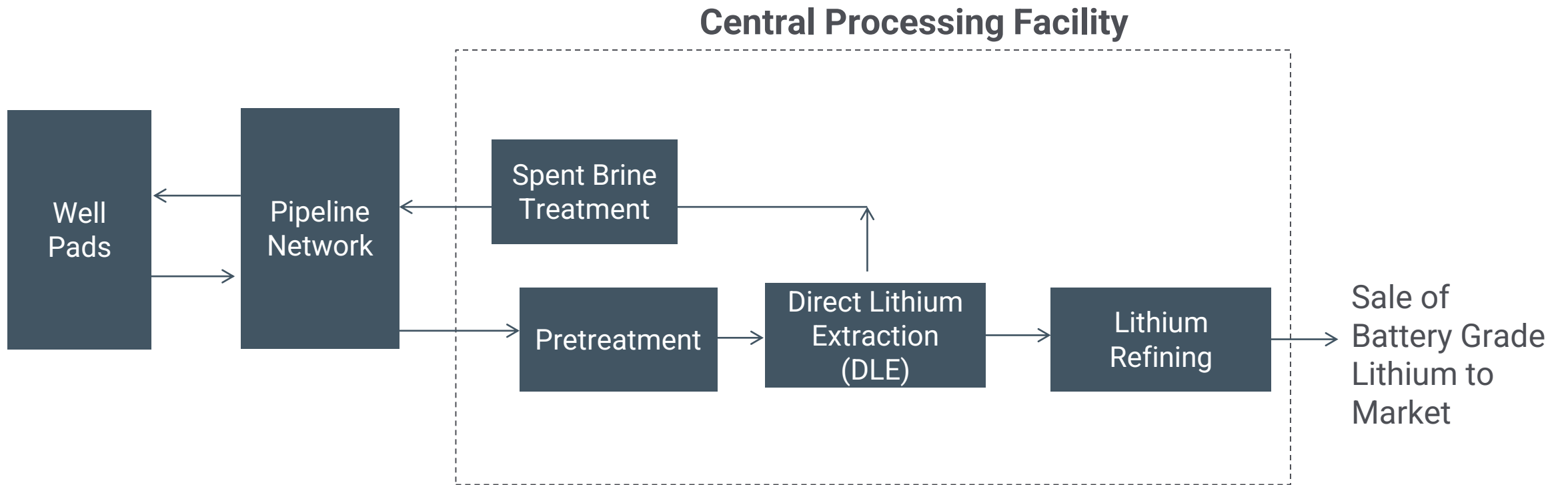




# Downstream Conversion to Battery-Grade Lithium

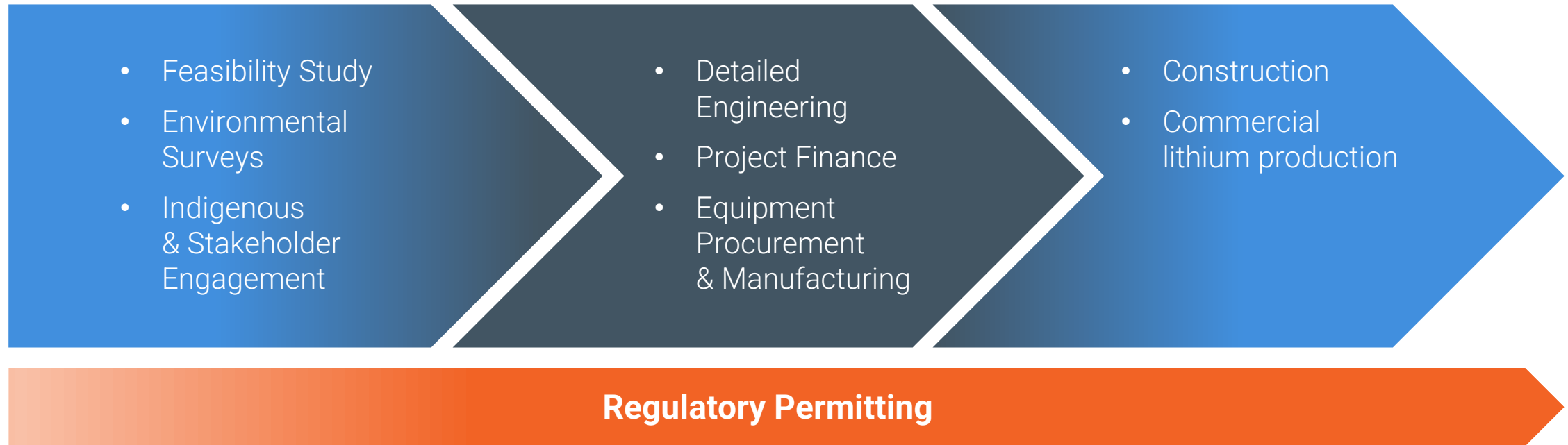


# Commercial Project Development



# Pathway to Commercialization

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# Strategy & Sustainability Panel

**Leigh  
Clarke**

VP, Corporate  
Development

**Raymond  
Chow**

Chief Financial  
Officer

**Robin  
Boschman**

Director, External  
Relations

**Brian  
Ceelen**

Director,  
Commercial  
Development





# Sustainability at the Forefront



E3 Lithium's Pilot Plant Ribbon Cutting Event, September 7, 2023

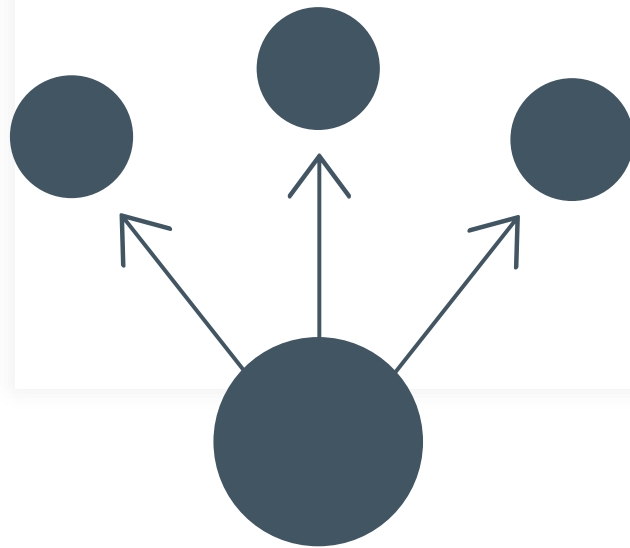
Building Alberta's lithium industry for the long-term by focusing on ESG:

- **Environmental:** Commercial facility design to ensure measurable and reportable environmental benefits
- **Social:** Local, provincial, federal and global relationships and support
- **Governance:** Foundational policies and practices to ensure ethical decision making, safe operations and sound governance

# Value Creation via Meaningful Engagement

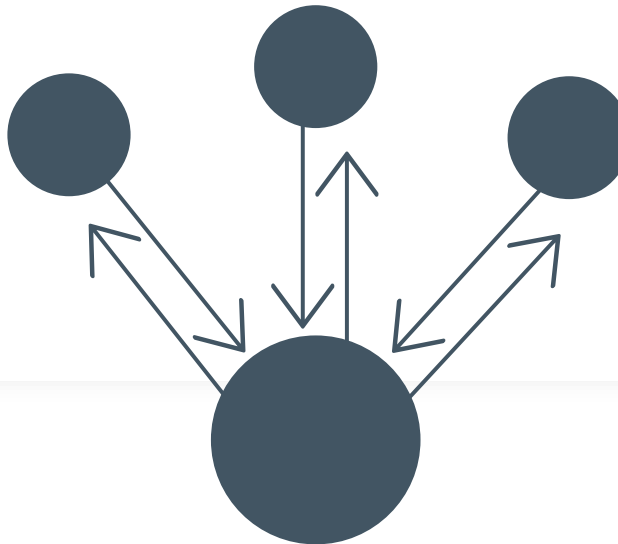
## Notification

One-way exchange of information



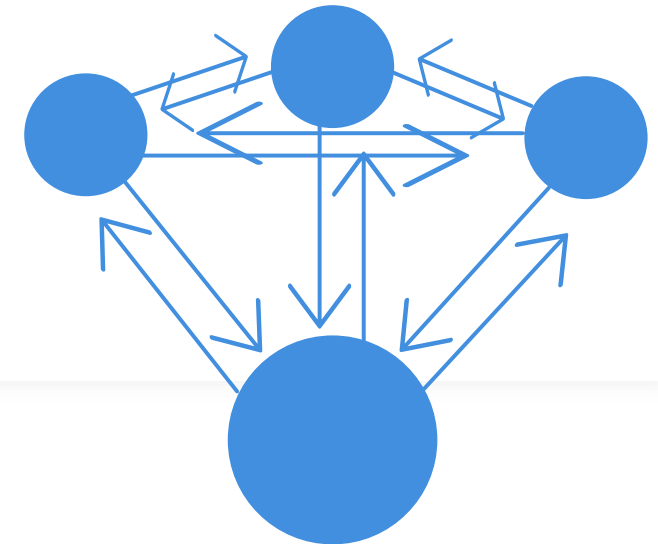
## Consultation

Two-way exchange of information

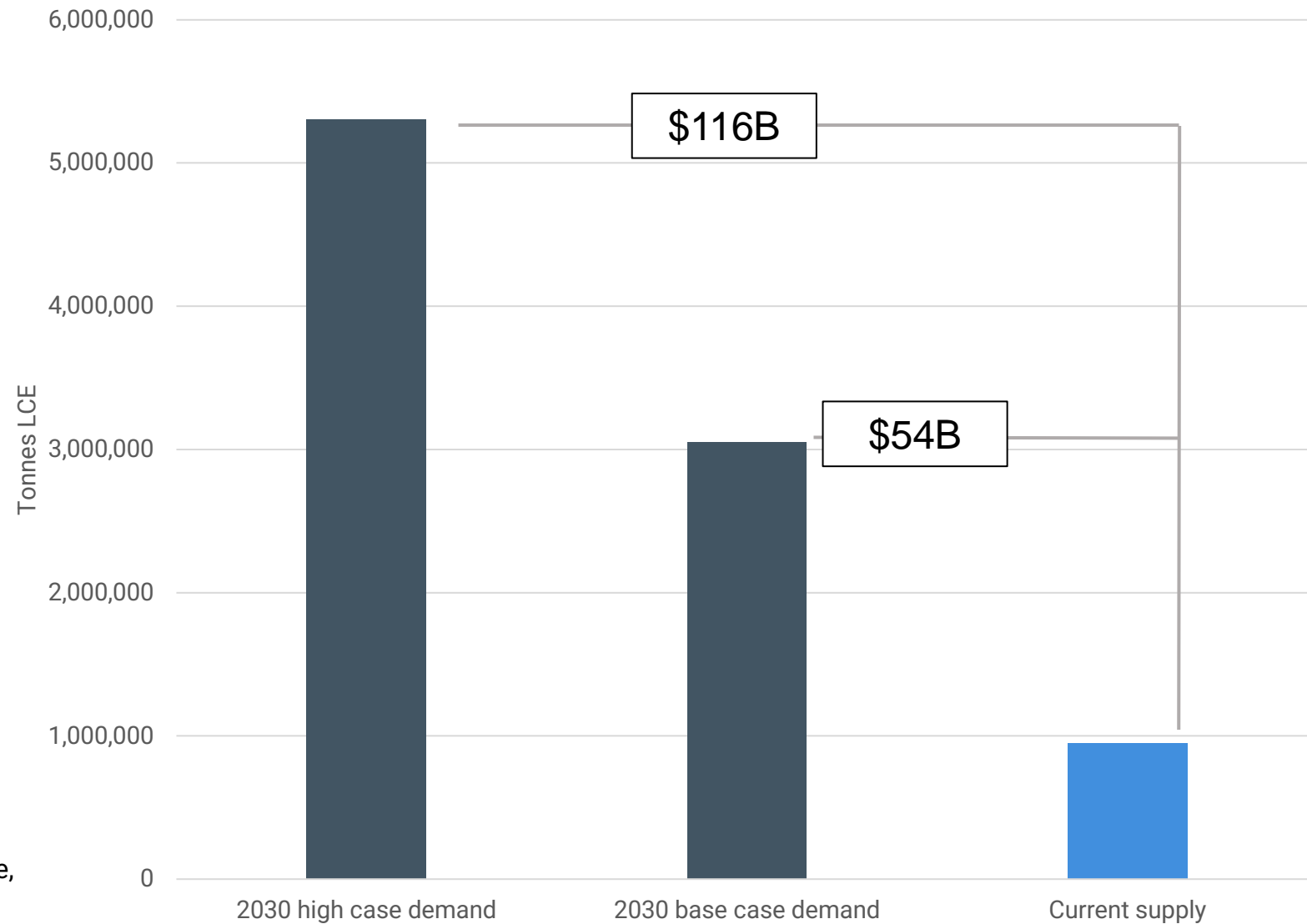


## Engagement

Long-term relationship building, mutually beneficial outcomes, co-creation of industry

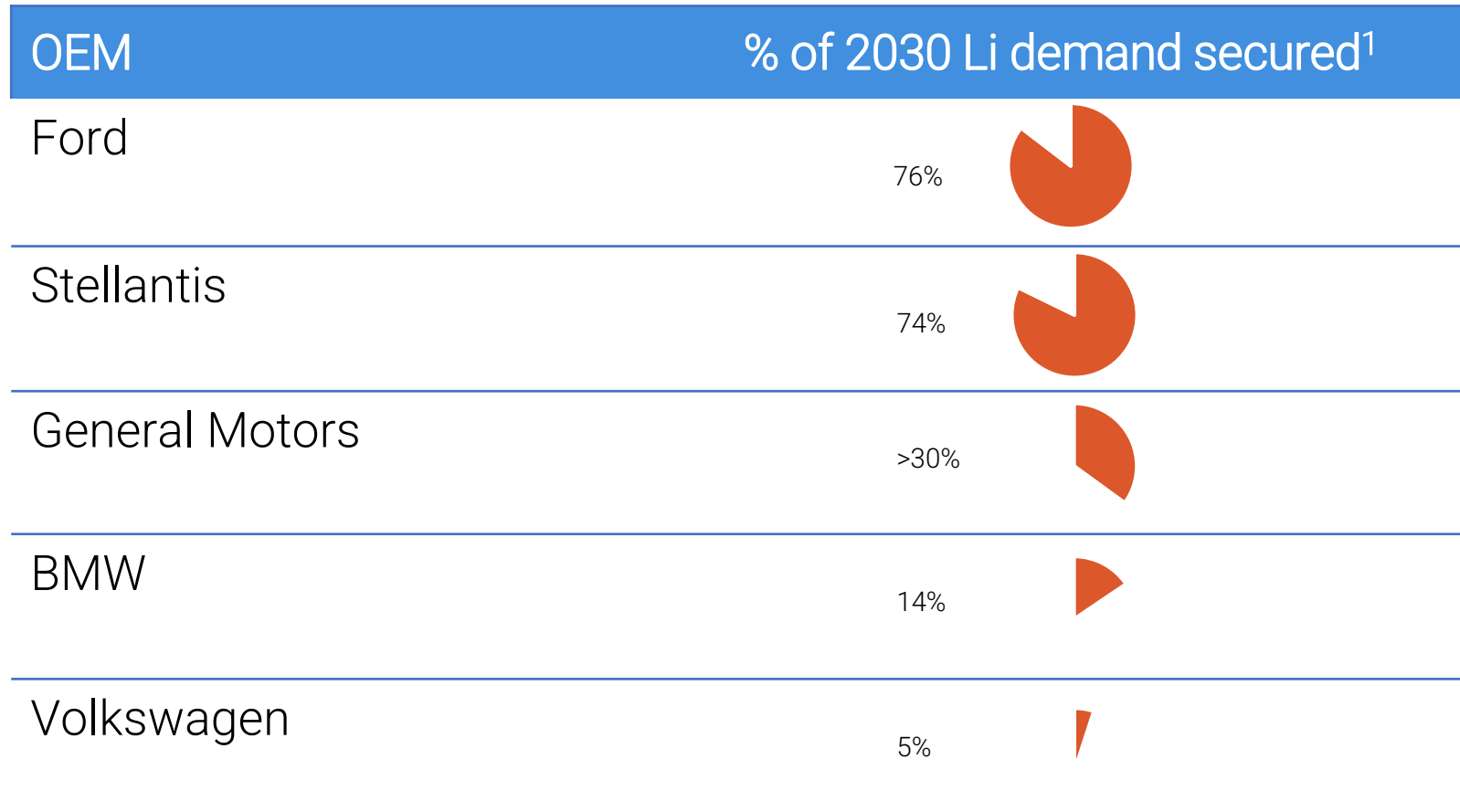


# Significant Investment Required to Meet Demand



Source:  
Benchmark Mineral Intelligence,  
Q2 2023 Lithium Forecast

# Current Offtake Environment



Source: Fastmarkets

<sup>1</sup>2030 demand estimated using company announcements on EV sales volumes and penetration rates.





# Break



# Financial Update

**Raymond Chow**

Chief Financial Officer



# Capital Structure

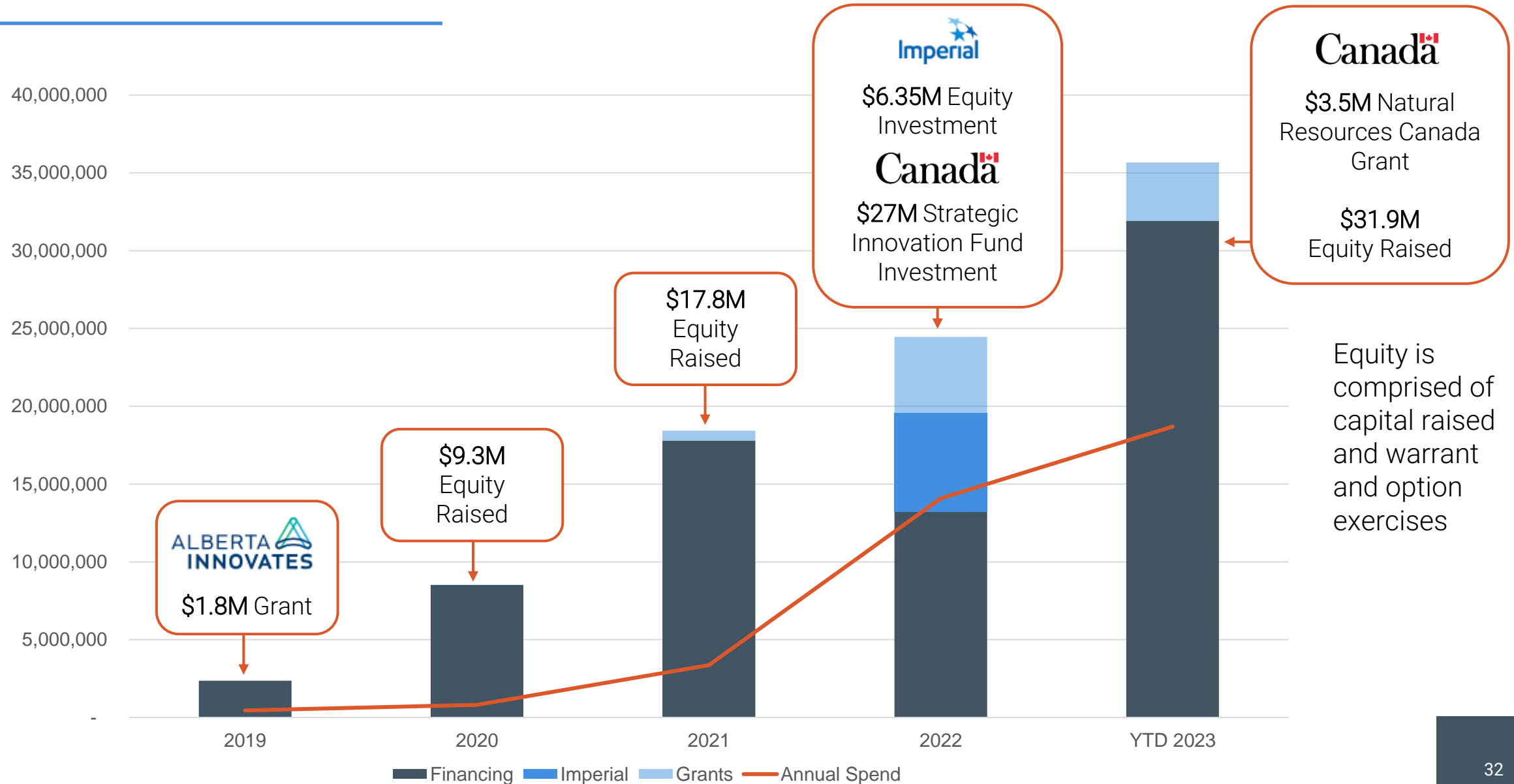
As at  
Sept. 29, 2023

Working Capital <sup>(1)</sup>	\$41.7M
Market Cap	\$235M
Basic Shares Outstanding	74.8M
Fully Diluted	84.1M
3-Month Cumulative Volume	45M
3-Month Avg Volume	724K
YTD Share Price Return	66%
Share Price Return Since Inception	943%

(1) As at June 30, 2023 plus the proceeds of the September 26 equity financing

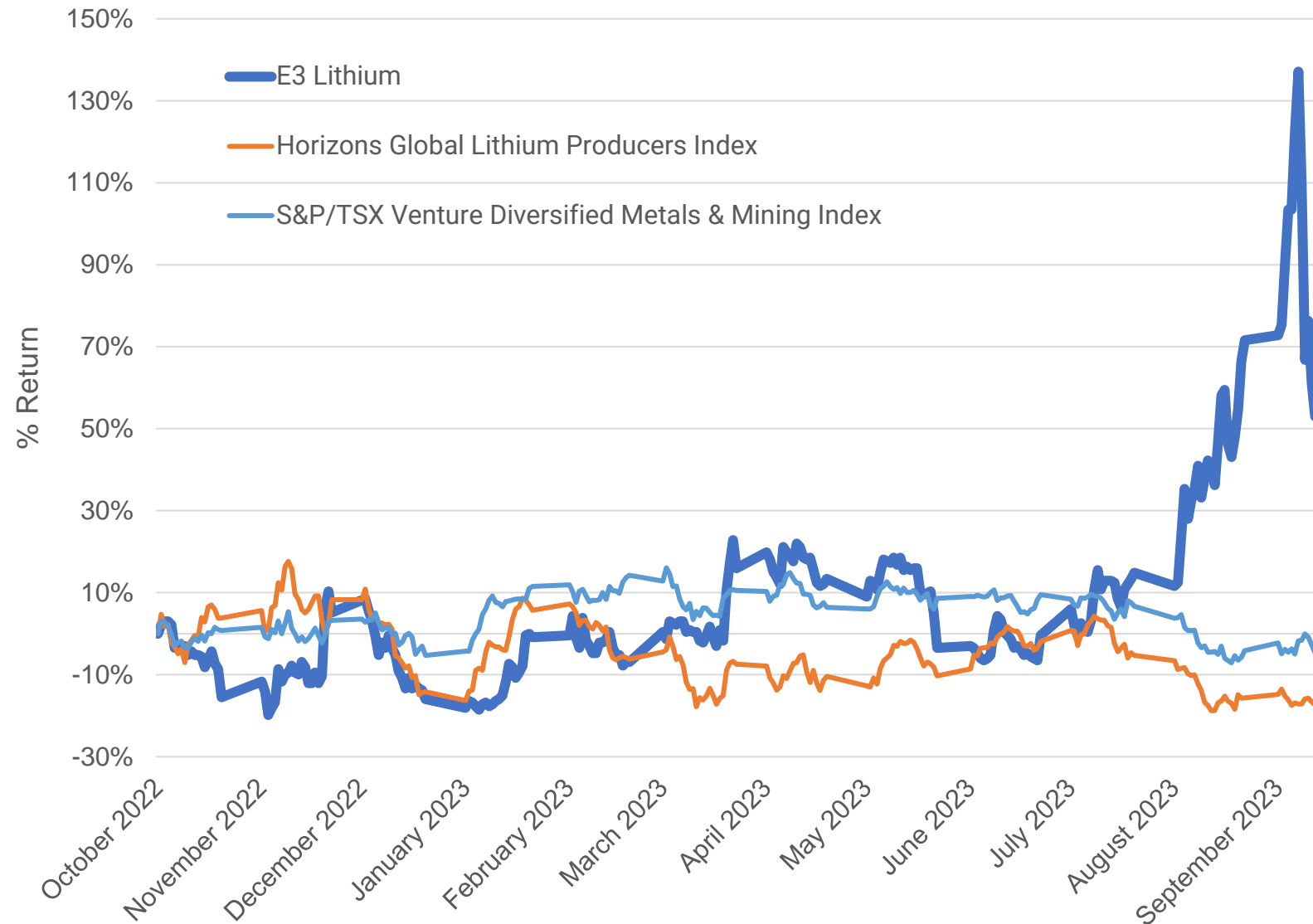


# Ability to Access Capital Markets & Grant Funding





# Index Comparison



Source: Stockwatch, Bloomberg, S&P Global and Horizons ETFs

# Peer Comparison – Direct Lithium Extraction/Brine

Company	Location	M&I (Mt LCE)	Market Capitalization <sup>1</sup>	Stage
Lithium Americas	U.S.	16.1	\$3.1 billion	Post DFS
<b>E3 Lithium</b>	<b>Canada</b>	<b>16.0</b>	<b>\$235 million</b>	<b>PEA / Field Pilot</b>
Vulcan Resources	Europe	10.1	\$425 million	DFS / Demonstration
Standard Lithium	U.S.	4.2	\$665 million	DFS / PFS

Source: Company disclosures

1: As of September 29, 2023, in \$CAD

# Closing Remarks

**Chris Doornbos**

President, CEO & Director



# Why E3 Lithium



Focused plan in place to commercialize Canada's largest lithium resources



**World Class Team**

**The Future of North American Lithium**

**Clear Vision for the Future**



Consistent track record of driving long-term shareholder value







# Vision for the Future: Batteries and Beyond



# Q&A



# Questions

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# Thank You

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**TSX.V:** ETL

**OTCQX:** EEMMF

**FSE:** OW3

[e3lithium.ca](http://e3lithium.ca)



# Forward Looking Statements

This presentation contains forward-looking statements within the meaning of applicable securities laws regarding E3 Lithium Ltd. (“E3 Lithium” or the “Company”) and the potential of its current and future projects. Generally, forward-looking statements can be identified by the use of forward-looking language such as “plans”, “expects”, “budgets”, “schedules”, “estimates”, “forecasts”, “intends”, “anticipates”, “believes”, or variations of such words and phrases, and statements that certain actions, events or results “may”, “could”, “would”, “might”, “will be taken”, “will occur” or “will be achieved”. All statements other than statements of historical fact, included in this presentation are forward-looking statements that involve risks and uncertainties. Forward-looking statements are based on the reasonable opinions and estimates of E3 Lithium as of the date such statements are made.

Forward-looking statements are subject to known and unknown risks, uncertainties and other factors that may cause the actual results, levels of activity, performance or achievements of E3 Lithium to be materially different from those expressed or implied by such forward-looking statements, including, but not limited to, risks related to: E3 Lithium’s ability to effectively implement its planned exploration programs; unexpected events and delays in the course of E3 Lithium’s exploration and drilling programs; changes in project parameters as plans continue to be refined; the ability of E3 Lithium to raise the capital necessary to meet its milestones, conduct its planned exploration programs and to continue exploration and development on its properties; the failure to discover any significant or continued amounts of lithium or other minerals on any of E3 Lithium’s properties; the fact that E3 Lithium’s properties are in the exploration stage and exploration and development of mineral properties involves a high degree of risk and few properties which are explored are ultimately developed into producing mineral properties; the fact that the mineral industry is highly competitive and E3 Lithium will be competing against competitors that may be larger and better capitalized, have access to more efficient technology, and have access to reserves of minerals that are cheaper to extract and process; the fluctuations in the price of minerals and the future prices of minerals; the fact that if the price of minerals decreases significantly, any minerals discovered on any of E3 Lithium’s properties may become uneconomical to extract; the continued demand for minerals and lithium; that fact that resource figures for minerals are estimates only and no assurances can be given than any estimated levels of minerals will actually be produced; governmental regulation of mining activities and oil and gas in Alberta and elsewhere, including regulations relating to prices, taxes, royalties, land tenure, land use, importing and exporting of minerals and environmental protection; environmental regulation, which mandate, among other things, the maintenance of air and water quality standards and land reclamation, limitations on the general, transportation, storage and disposal of solid and hazardous waste; environmental hazards which may exist on the properties which are unknown to E3 Lithium at present and which have been caused by previous or existing owners or operators of the properties; reclamation costs

which are uncertain; the fact that commercial quantities of minerals may not be discovered on current properties or other future properties and even if commercial quantities of minerals are discovered, that such properties can be brought to a stage where such mineral resources can profitably be produced therefrom; the failure of plant or equipment processes to operate as anticipated; the inability to obtain the necessary approvals for the further exploration and development of all or any of E3 Lithium’s properties; risks inherent in the mineral exploration and development business; the uncertainty of the requirements demanded by environmental agencies; E3 Lithium’s ability to hire and retain qualified employees and consultants necessary for the exploration and development of any of E3 Lithium’s properties and for the operation of E3 Lithium’s business; and other risks related to mining activities, the business and operations of the Company that are beyond its control, including those risks and uncertainties outlined in the Company’s continuous disclosure materials available under the Company’s profile on SEDAR+ at [www.sedarplus.ca](http://www.sedarplus.ca).

Although E3 Lithium has attempted to identify important factors that could cause actual results to differ materially from those contained in the forward-looking statements in this presentation, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward-looking statements contained in this presentation. E3 Lithium does not undertake to update any forward-looking statements except in accordance with applicable securities laws.

Unless otherwise indicated, Chris Doornbos, P. Geo., President and CEO of E3 Lithium and a Qualified Person under National Instrument 43-101 – Standards of Disclosure for Mineral Projects, has reviewed and is responsible for the technical information contained in this presentation.

References: 1: The technical report titled “NI 41-101 Technical Report Preliminary Economic Assessment Clearwater Lithium Project” with an effective date of November 16, 2020 and report date of December 21, 2020, as amended September 17, 2021. The technical report titled “NI 43-101 Technical Report Lithium Resource Estimate for the North Rocky Property South-Central Alberta, Canada” with an effective date of October 27, 2017 and report date of December 22, 2017, identified 0.9Mt LCE (inferred). The technical report titled “E3 Lithium 43-101 Technical Report: Lithium Resource Estimate, Bashaw District Project, Central Alberta” with an effective date of March 21, 2023 and report date of April 20, 2023, identified 16.0Mt LCE (measured & indicated). All reports are available on the E3 Lithium website ([e3lithium.ca/technical-reports](http://e3lithium.ca/technical-reports)) and under the Company’s profile on SEDAR+ ([www.sedarplus.ca](http://www.sedarplus.ca)).

