



Developing a Lithium District in Northern Nevada

THACKER PASS TECHNICAL REPORT – JANUARY 2025

Disclaimers

ADDITIONAL REFERENCE MATERIALS

This presentation should be read in conjunction with materials from Lithium Americas Corp. (“**LAC**” or the “**Company**”), including news releases, material change reports, most recent annual financial statements and related management discussion and analysis (“**MD&A**”), technical reports and most recent annual report on Form 20-F for the year ended December 31, 2023 (collectively “**Disclosure Documents**”), for full details of the information referenced throughout this presentation. These documents are available on the Company’s website at www.lithiumamericas.com or the Canadian System for Electronic Document Analysis and Retrieval (“**SEDAR+**”) at www.sedarplus.ca and the United States (“**U.S.**”) Securities and Exchange Commission (“**SEC**”) Electronic Data Gathering, Analysis and Retrieval system (“**EDGAR**”) at www.sec.gov.

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FORWARD-LOOKING STATEMENTS AND INFORMATION

This presentation contains “forward-looking information” within the meaning of applicable Canadian securities legislation, and “forward-looking statements” within the meaning of applicable United States securities legislation (collectively referred to as “forward-looking information” (“**FLI**”)),

and readers should read the cautionary notes contained on the slide entitled “Forward-Looking Statements and Information” in the Appendix of this document.

ABOUT THACKER PASS

The Thacker Pass lithium project in Humboldt County, Nevada (“**Thacker Pass**” or the “**Project**”) is indirectly owned by Lithium Nevada Ventures LLC (“**LN**”). LN is a joint venture between the Company, which has a 62% ownership, and General Motors Holdings LLC (“**GM**”), which has a 38% ownership.

Thacker Pass “**Phase 1**” is the initial phase of production, targeting 40,000 tonnes per year (“**t/y**”) of battery-grade lithium carbonate, “**Phase 2**” is the second phase of production at Thacker Pass, targeting an additional 40,000 t/y, “**Phase 3**” is the third phase of production at Thacker Pass, targeting an additional 40,000 t/y, “**Phase 4**” is the fourth phase of production at Thacker Pass, targeting an additional 40,000 t/y, “**Phase 5**” is the fifth phase of development adding an additional beneficiation circuit and sulfuric acid plant without an additional lithium carbonate processing plant, for total planned production capacity of 160,000 t/y.

NON-GAAP FINANCIAL MEASURES

This presentation contains certain non-GAAP (Generally Accepted Accounting Principles) measures, including EBITDA. Such measures have non-standardized meaning under GAAP and may not be comparable to similar measures used by other issuers. Each of these measures used are intended to provide additional information to the user and should not be considered in isolation or as a substitute for measures prepared in accordance with IFRS. Non-IFRS financial measures used in this presentation are common to the industry. The prospective non-GAAP financial measures or ratios presented are not able to be reconciled to the nearest comparable measure under IFRS and the equivalent historical non-GAAP financial measure for the prospective non-GAAP financial measure or ratio discussed herein are not available because the Project is not and has not been in production. As the Company has provided these measures on a forward-looking basis, it is unable to present a quantitative reconciliation to the most directly comparable financial measure calculated and presented in accordance with GAAP without unreasonable efforts. This is due to the inherent difficulty of forecasting the timing or amount of various reconciling items that would impact the most directly comparable forward-looking GAAP measure that have not yet occurred, are outside of the Company’s control and/or cannot be reasonably predicted.

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NI 43-101 and S-K 1300 DISCLOSURE

Scientific and technical information in this presentation has been reviewed and approved by Rene LeBlanc, PhD, the Company’s VP Growth and Product Strategy, and a qualified person under National Instrument 43-101 Standards of Disclosure for Mineral Projects (“**NI 43-101**”) and Subpart 1300 of Regulation S-K (“**S-K 1300**”). Further information about Thacker Pass, including a description of key assumptions, parameters, methods and risks, data verification and QA/QC programs, methods relating to mineral resources and mineral reserves and factors that may affect those estimates are contained in the NI 43-101 technical report of Lithium Americas dated effective December 31, 2024 entitled “NI 43-101 Technical Report on the Thacker Pass Project, Humboldt County, Nevada, USA” (“**Technical Report**”) and the S-K 1300 technical report of Lithium Americas effective December 31, 2024 entitled “S-K 1300 Technical Report Summary on the Thacker Pass Project Humboldt County, Nevada, USA.” (the “**Dec 2024 S-K 1300 Report**” and collectively with the Dec 2024 Technical Report, the “**Reports**”). Readers are cautioned that the conclusions, projections and estimates set out in this presentation with respect to Thacker Pass are subject to important qualifications, assumptions and exclusions, all of which are detailed in this presentation or in the Reports, each of which should be read in their entirety. The Reports are available on the Company’s website, SEDAR+ and EDGAR.

Other than as described in the Company’s Disclosure Documents, there are no known legal, political, environmental or other risks that could materially affect the potential development of the mineral reserves and mineral resources at this point in time.

The mineral resource and mineral reserve estimates contained in this presentation have been prepared in accordance with the requirements of securities laws in effect in Canada, including NI 43-101, which governs Canadian securities law disclosure requirements for mineral properties and in the United States, including S-K 1300.

ROUNDING

Summation errors due to rounding may exist.

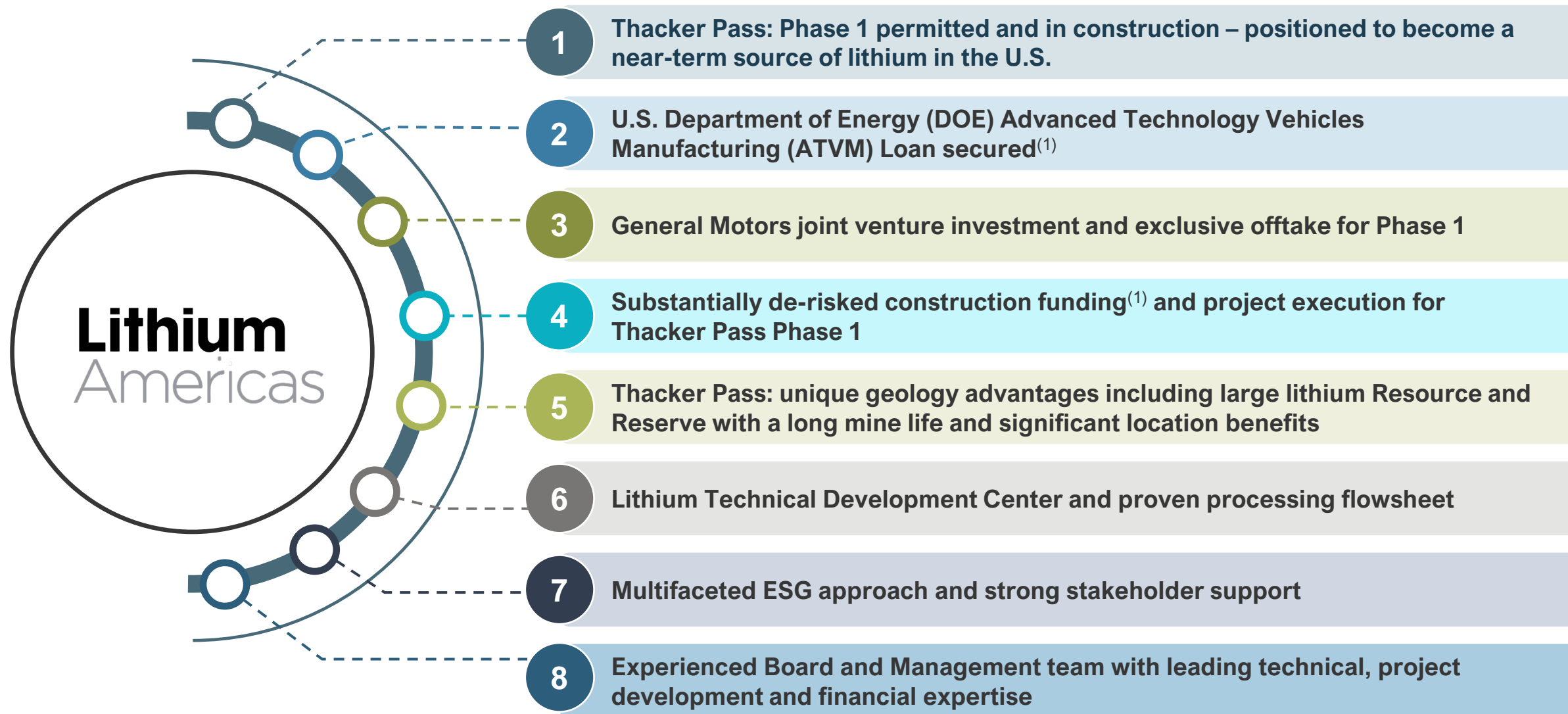
CURRENCY

All figures presented are in U.S. Dollars unless otherwise noted.

PRESENTATION DATE

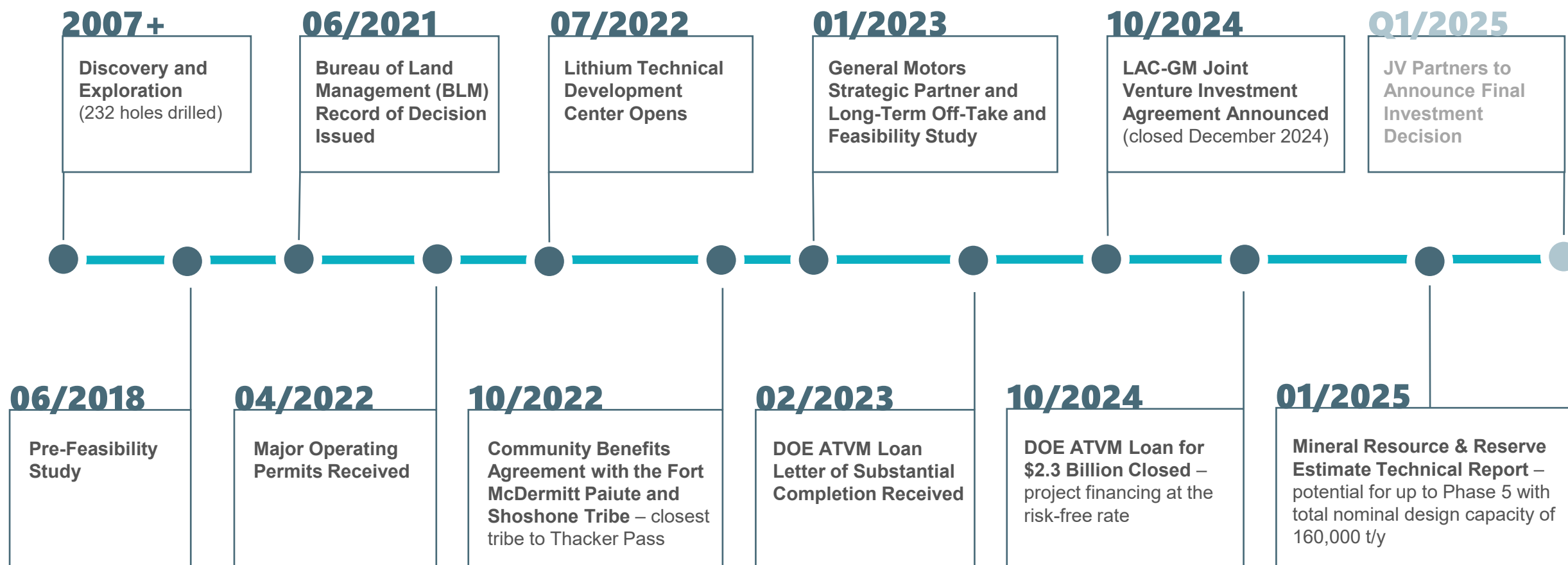
January 7, 2025

Investment Highlights



(1) See the Company's new release of October 28, 2024 for full details.

A Track Record of Executing Key Milestones



Thacker Pass Phase 1: construction permitted, funding substantially de-risked, significant technical work completed and strong support from stakeholders

Thacker Pass Highlights

Lithium is recognized as a critical mineral – Thacker Pass would significantly reduce the U.S. dependency on foreign suppliers

- ✓ Unique high-grade sedimentary resource, one of the lithium largest Measured and Indicated resource and Proven and Probable reserve in the world⁽¹⁾
- ✓ Tier 1 jurisdiction – located in a mining-friendly state in the U.S.
- ✓ General Motors strategic investment, joint venture partner and long-term offtake
- ✓ U.S. DOE ATVM Loan provides project financing at the risk-free rate⁽²⁾
- ✓ Funding for Phase 1 construction substantially de-risked with GM investments, DOE Loan and cash on hand⁽²⁾⁽³⁾
- ✓ Phase 1 total nominal production capacity of ~40,000 t/y of lithium carbonate; expansion potential for up to five phases over an 85-year mine life⁽¹⁾
- ✓ De-risked project execution: increasing detailed engineering, contracts for long-lead equipment awarded
- ✓ Construction of Phase 1 will create nearly 2,000 jobs, including 1,800 skilled labor contractors
- ✓ Multifaceted ESG approach; Community Benefits Agreement with Fort McDermitt Paiute and Shoshone Tribe; expected to be a low water and carbon operation



⁽¹⁾ See the Company's Reports or news release of January 7, 2025 for more details.

⁽²⁾ See the Company's news release of October 28, 2024 for more details.

⁽³⁾ See the Company's news release of October 16, 2024 for more details.

Thacker Pass Technical Report⁽¹⁾ Highlights

World's largest measured lithium resource and reserve supports development of a lithium district in northern Nevada

Key Highlights

- ✓ Reserve increase of 286% and Resource increase of 177% since Nov 2022 Feasibility Study⁽²⁾
- ✓ Expansion plan targeting 160,000 t/y battery-quality Li_2CO_3 production capacity over five phases
- ✓ Potential to become an unmatched district, generating American jobs and increasing domestic production of critical minerals

Reserve Proven and Probable

14.3 Mt LCE

average grade of 2,540 ppm Li⁽³⁾

Resource Measured and Indicated

44.5 Mt LCE

average grade of 2,230 ppm Li⁽³⁾

Design Summary

**Life of Mine (LOM)
85 years**

**Total nominal design capacity
160,000 t/y Li_2CO_3
five phase expansion plan**

**Years 1-25 of the 85-year LOM
Production Scenario**

Production Scenario Economics

**Average Annual EBITDA⁽⁴⁾
\$2.2 billion**

**Net Present Value (8%)
\$5.9 billion**

**Internal Rate of Return (after-tax)
19.6%**



Phase 1

- 40,000 t/y Li_2CO_3 facility
- 2,250 t/d sulfuric acid plant
- CAPEX \$2.9 billion
- Targeting construction completion in late 2027



Phase 2

- 40,000 t/y Li_2CO_3 facility
- 2,250 t/d sulfuric acid plant
- CAPEX⁽⁵⁾ \$2.3 billion



Phase 3

- 40,000 t/y Li_2CO_3 facility
- 2,250 t/d sulfuric acid plant
- CAPEX⁽⁵⁾ \$2.8 billion



Phase 4 and 5

- Total CAPEX⁽⁵⁾ \$4.3 billion
- Phase 4:
 - 40,000 t/y Li_2CO_3 facility
 - 2,250 t/d sulfuric acid plant
 - Rail to Thacker Pass
- Phase 5:
 - 3,000 t/d sulfuric acid plant

(1) For full details, refer to the Company's Technical Report, effective date December 31, 2024.

(2) For full details, refer to the Company's Feasibility Study, effective date November 2, 2022, available on SEDAR+.

(3) See slide 24 and 25 for more details, or refer to the Company's Technical Report, effective date December 31, 2024.

(4) EBITDA is a non-GAAP measure. Refer to the Company's Technical Report, effective date December 31, 2024 for more details.

(5) CAPEX for Phase 2, 3, 4 and 5 is derived from Phase 1 estimates. Permitting Additional required permitting for Phases 2 through 5 will be initiated following the completion of Phase 1 construction

Definitions: Mt = million tonnes, LCE = lithium carbonate equivalent, Li_2CO_3 = lithium carbonate, t/y = tonnes per year; t/d = tonnes per day

Substantially De-Risked Project Execution for Thacker Pass



Work Force Hub (WFH)

Build out will align with construction schedule – earth works completed; finalizing engineering and permitting for utilities; preparing for foundations



Thacker Pass Plant Areas

Excavation of the process plant is ~75% complete; concrete placement forecasted to begin by mid-2025; recently awarded the Batch Plant contract



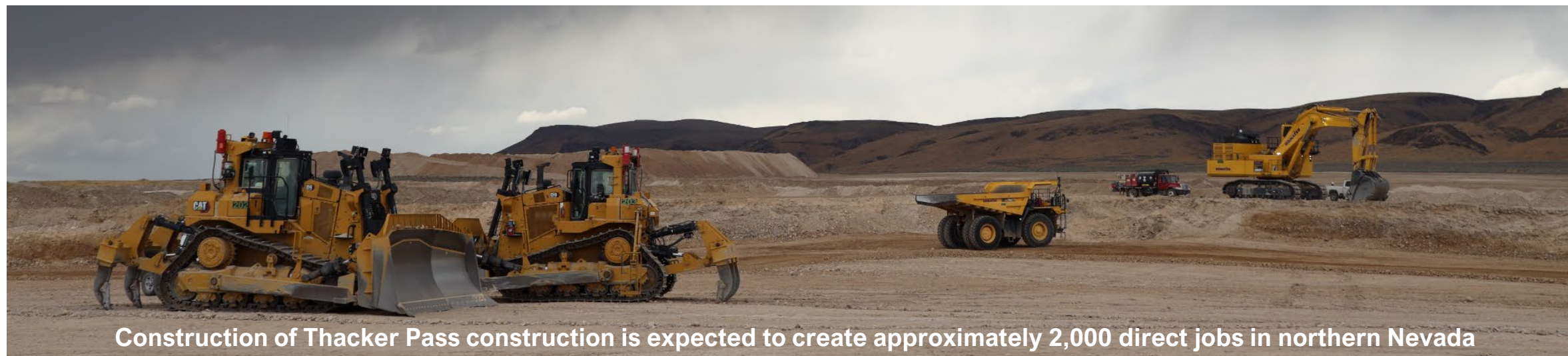
Procurement Pricing

Top 7 pieces of long-lead equipment have been awarded; commenced field purchases for goods and services; over 70% of procurement packages received recent market feedback



Detailed Engineering

Currently 50% detailed engineering design complete and continuing to advance detailed engineering prior to announcing the final investment decision



Construction of Thacker Pass construction is expected to create approximately 2,000 direct jobs in northern Nevada

Thacker Pass Construction Timeline

Phase 1 – 40,000 t/y: Detailed Construction Timeline

2023-2024	2025				2026				2027			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<ul style="list-style-type: none"> ✓ Early works and site preparation ✓ Construction infrastructure (power, water pipeline, roads, highway improvements, site buildings) ✓ Plant pad excavation >70% ✓ Detailed engineering >50% ✓ Awarded seven long-lead items ✓ Awarded procurement packages ✓ Provided limited full notice to proceed to Bechtel and major contractors 	<input type="checkbox"/> Announce final investment decision	<input type="checkbox"/> First concrete	<input type="checkbox"/> First steel			<input type="checkbox"/> Commence commissioning of process plant <input type="checkbox"/> Initiate mining						<input type="checkbox"/> Construction complete <input type="checkbox"/> First production

Pathway to 160,000 t/y: Phase 1-5 High-level Construction Timeline

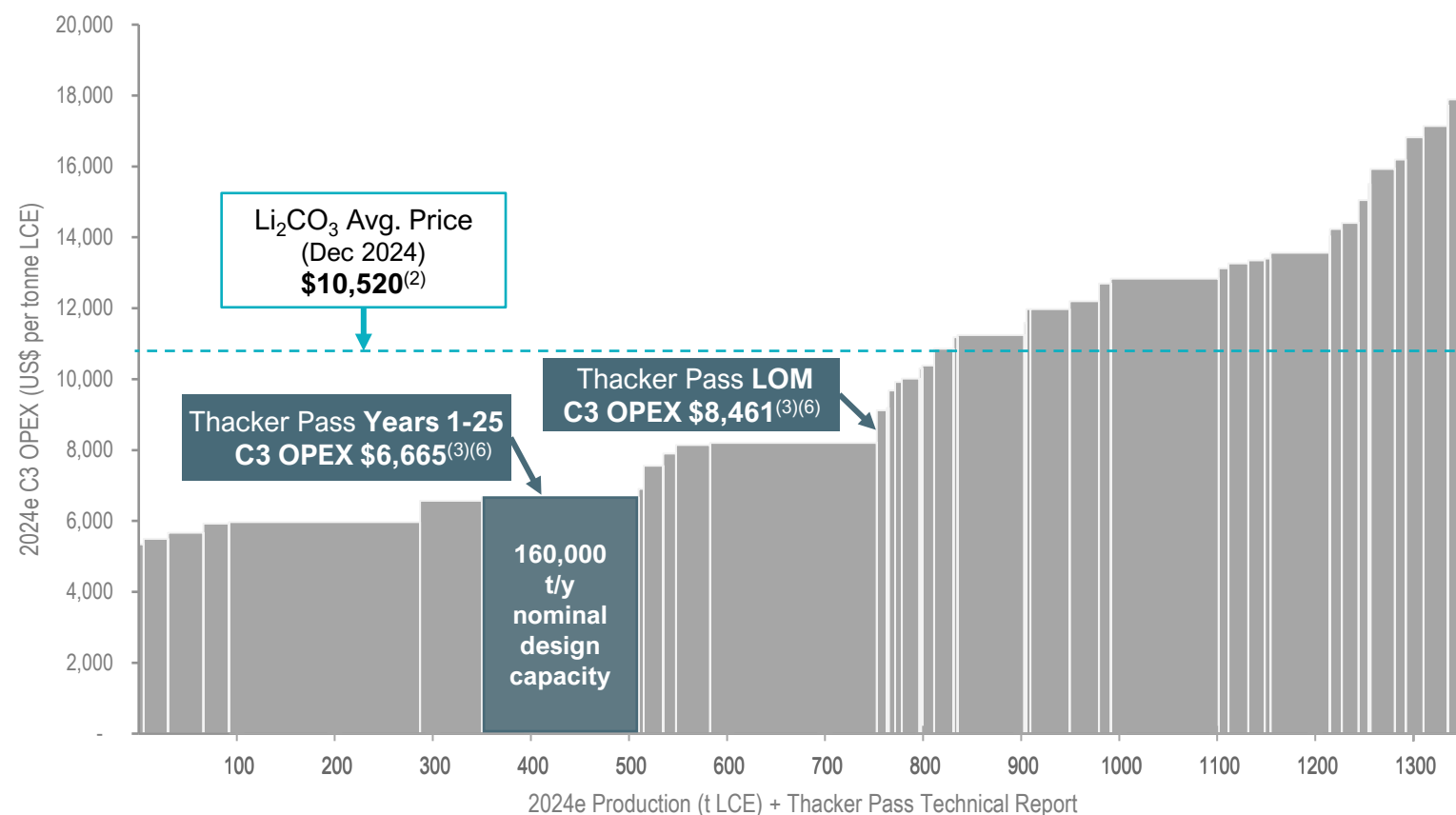
2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Phase 1 – 40,000 t/y				Phase 1 Ramp-up												
				Phase 2 Engineering	Phase 2 – 40,000 t/y			Phase 2 Ramp-up								
								Phase 3 Engineering	Phase 3 – 40,000 t/y			Phase 3 Ramp-up				
												Phase 4 & 5 Engineering	Phase 4 and 5 – 40,000 t/y plus additional sulfuric acid plant and rail to Thacker Pass			Phase 4 & 5 Ramp-up

Phases 1 through 4 is a 2,250 t/d sulfuric acid plant, Phase 5 is a 3,000 t/d sulfuric acid plant.

Thacker Pass Operating Costs – Highly Competitive in a Downturn

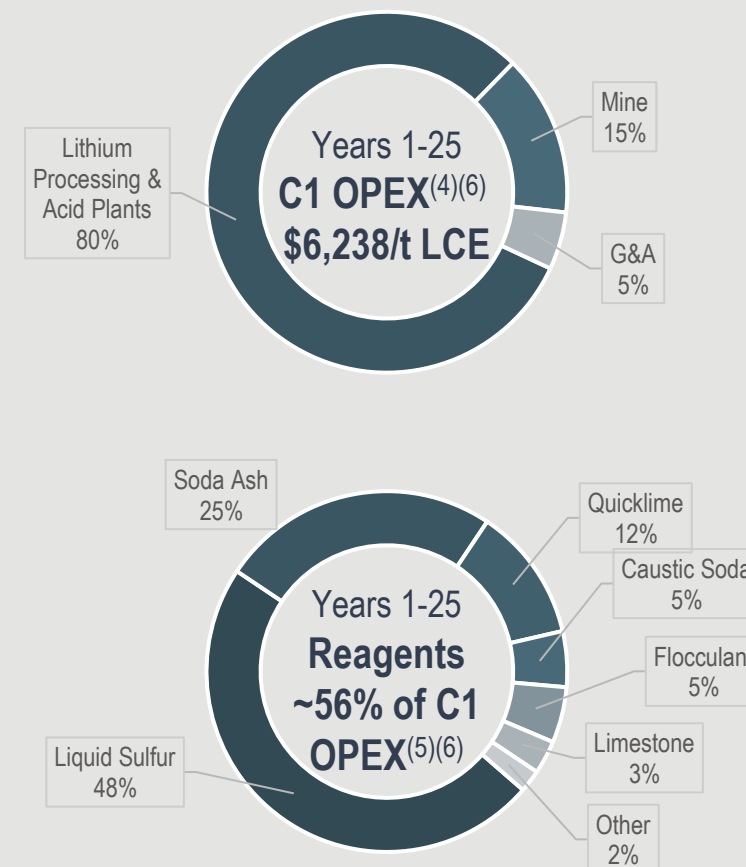
Thacker Pass Technical Report OPEX⁽¹⁾⁽³⁾⁽⁶⁾

Low OPEX would have enabled Thacker Pass to remain profitable during the 2024 lithium downturn



Production Scenario OPEX⁽⁴⁾⁽⁶⁾

Approx. \$500/t, or ~7%, lower than estimated in Nov 2022 Feasibility Study



(1) Cost curve source: Benchmark Mineral Intelligence, Q3 2024. Based on 2024 production estimates, C3 2024 cost per tonne LCE, no by-products.

(2) Source: Fastmarkets Battery Raw Material Pricing, month to date pricing as of December 30, 2024, lithium carbonate spot CIF China, Japan and Korea.

(3) Thacker Pass production design capacity and OPEX based on the Company's Reports, effective December 31, 2024. C3 OPEX includes C1 OPEX plus royalties.

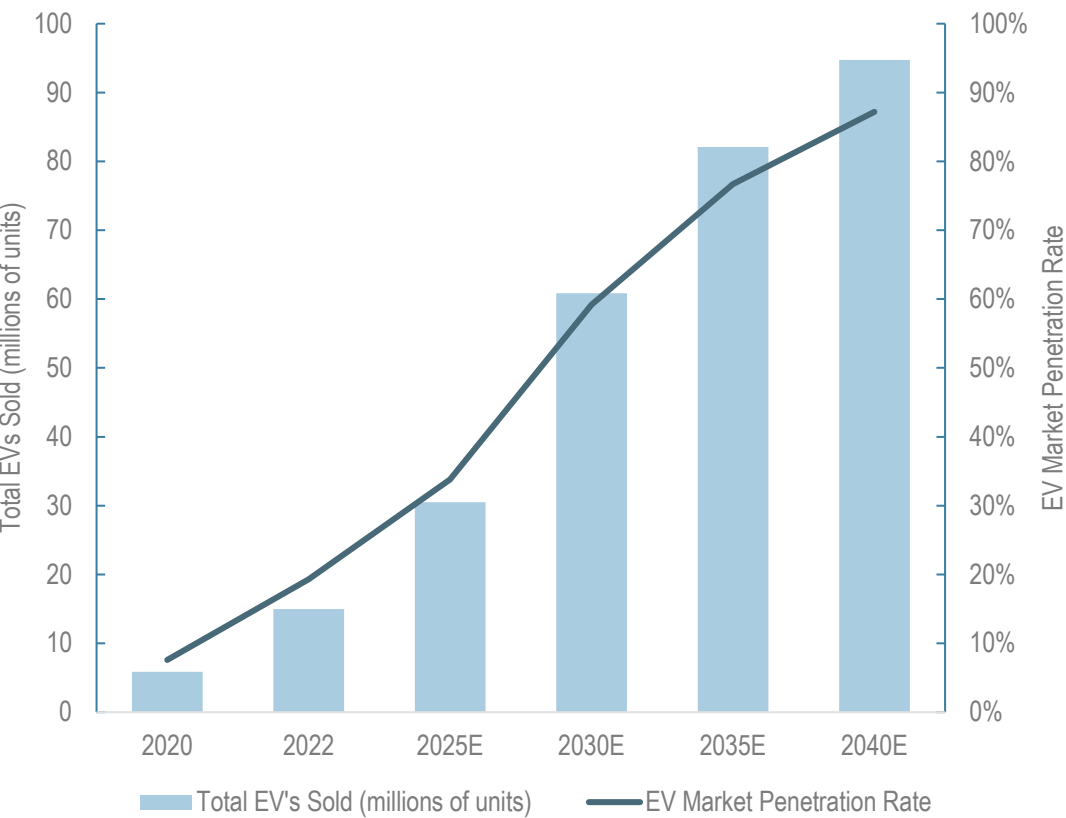
(4) C1 OPEX include raw materials, labor, utilities, maintenance materials, supplies and outside services and tailings.

(5) Raw material price assumptions, delivered to Thacker Pass: liquid sulfur \$216/t, soda ash \$287/t, quicklime \$265/t, caustic soda 50% \$700/t, flocculant \$2,958/t, limestone \$44/t.

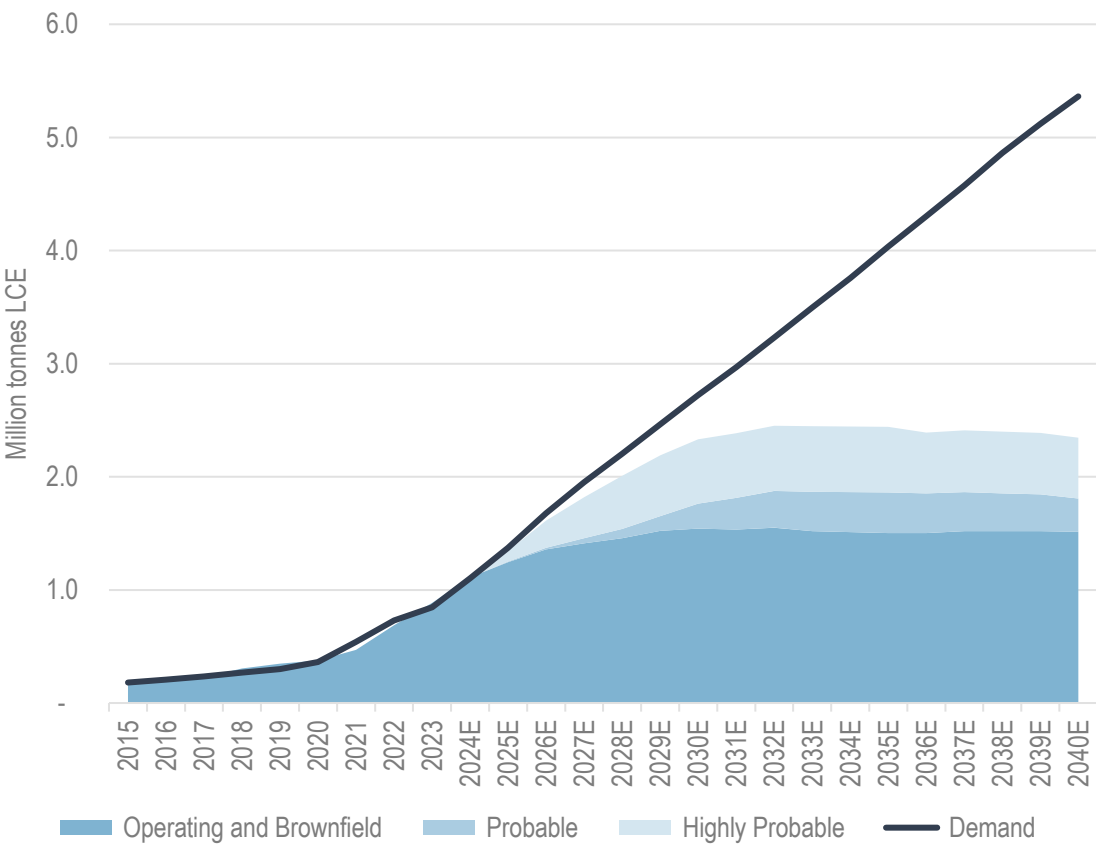
(6) For full details, refer to the Company's Technical Report, effective date December 31, 2024 and news release of January 7, 2024.

Well Positioned to Benefit from Looming Lithium Supply Gap

Global EV adoption to drive lithium demand
 EV Penetration Rate Expected to Increase ~85% in 2040⁽¹⁾



Significant supply gap forecasted
 Every Known Project Needed to Meet Forecasted Demand⁽²⁾



~85% of global lithium output is expected to be devoted to battery production in 2024⁽²⁾

(1) Rho Motion Q2 2024 forecast, passenger car and light duty BEV, PHEV and HEV vehicles.
 (2) Benchmark Minerals Intelligence, data based on Q3 2024 forecast, weighted, excludes recycling.

U.S. DOE ATVM Loan: Highly Attractive Project Financing

Advanced Technology Vehicles Manufacturing Loan from the U.S. Department of Energy⁽¹⁾⁽²⁾

Highly attractive terms across all metrics



Quantum: \$2.26 billion

Principal: \$1.97 billion

Capitalized interest during construction: \$290 million⁽³⁾



Interest: U.S. Treasury Rate

Interest rates fixed from the date of each monthly advance for the term of the loan at the applicable long-dated U.S. Treasury rate with 0% spread



Tenor: 24 Years

From date of first draw of the DOE Loan

CRITICAL MATERIALS | ADVANCED TECHNOLOGY VEHICLES MANUFACTURING

THACKER PASS HUMBOLDT COUNTY, NEVADA



The Thacker Pass processing plant will produce approximately 40,000 tonnes of lithium carbonate annually for use in electric vehicle lithium-ion batteries.



FINANCED BY THE U.S. DEPARTMENT OF ENERGY



⁽¹⁾ See the Company's news release of October 28, 2024 for more details.

⁽²⁾ Other Key Terms: Customary covenants and events of defaults for a project finance loan facility; and customary conditions precedent to loan effectiveness and advances for a project finance loan facility.

⁽³⁾ Based on assumed 5.2% interest rate.

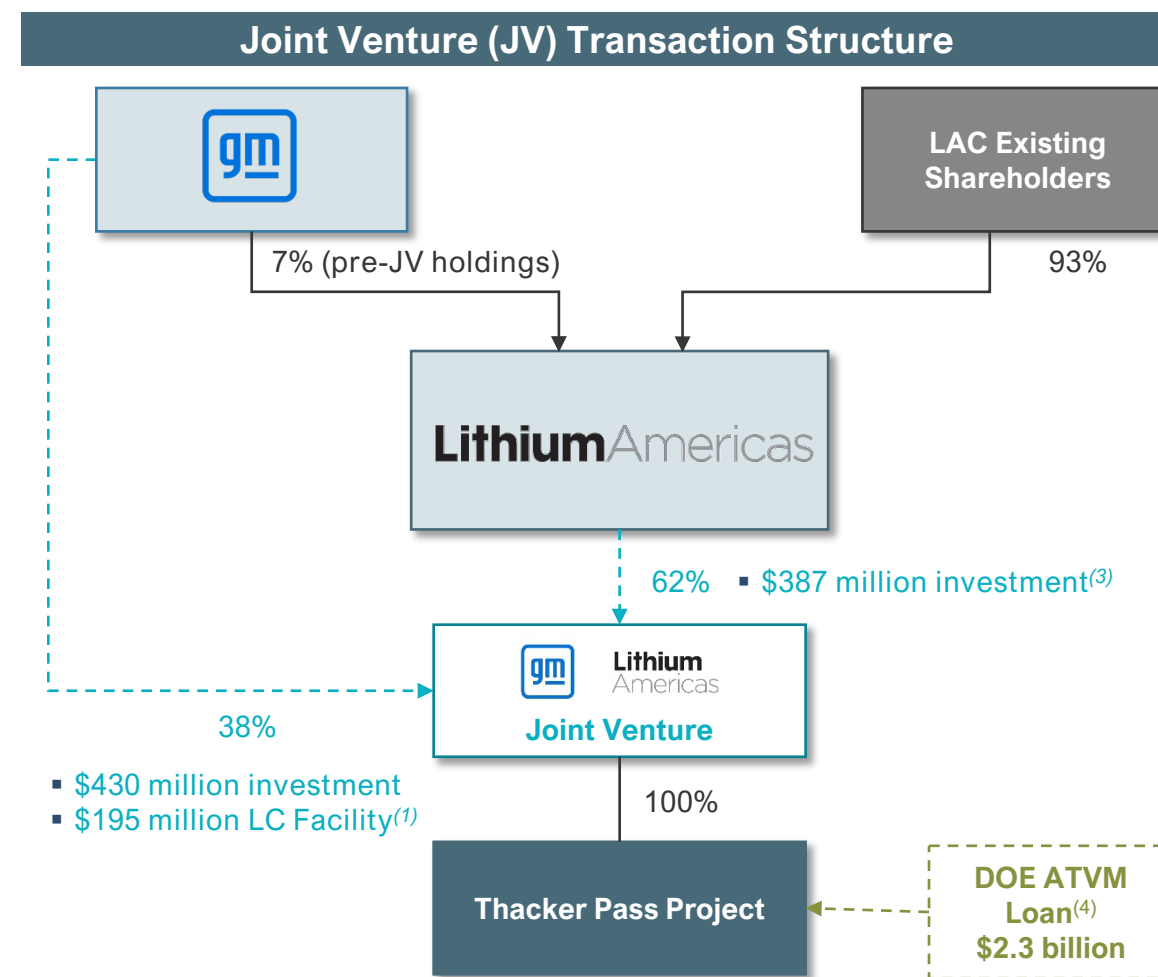
LAC-GM Joint Venture Transaction Summary

GM has acquired a 38% asset-level ownership stake in Thacker Pass for \$430 million of direct funding and will post a \$195 million LC Facility to be used for U.S. DOE Loan reserve requirements prior to first draw^(1,4)

The \$430 million of direct funding replaces GM's previously announced \$330 million Tranche 2 investment (and is in addition to GM's \$320 million 2023 Tranche 1 investment)

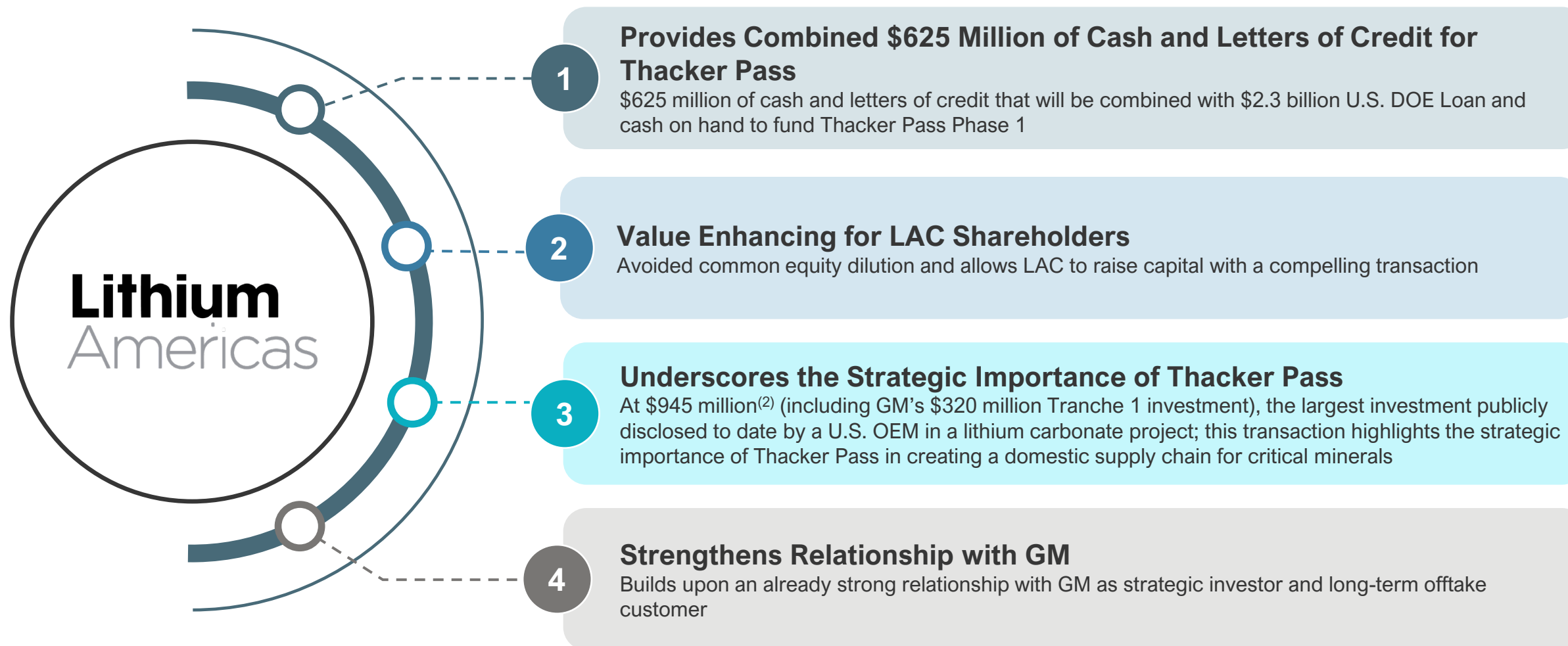
Lithium Americas will be the manager of Thacker Pass

In addition to its existing Thacker Pass Phase 1 Offtake Agreement, GM has entered into an additional 20-year offtake agreement for up to 38% of production volumes⁽²⁾ from Phase 2 and will retain its right of first offer on the remaining balance of Phase 2 volumes



Definitions: LC Facility = letters of credit facility. ⁽¹⁾ U.S. DOE Loan requires approximately \$195 million of reserve account funding to cover Construction Contingency, Ramp Up and Sustaining Capex reserve accounts. GM is providing a \$195 million LC Facility that will satisfy the majority of the DOE reserve account requirement. The LC Facility will be posted prior to first draw, expected in mid-2025. GM contributed \$330 million to the JV on closing; and the remaining \$100 million to be contributed at FID for Phase 1. ⁽²⁾ At market prices, subject to a discount at certain price levels. ⁽³⁾ Lithium Americas contributed \$138 million to the JV on closing; and remaining \$181 million to be contributed at FID for Phase 1. As of September 30, 2024, Lithium Americas had approximately \$341 in cash and cash equivalents ⁽⁴⁾ DOE ATVM Loan principal is \$1.97 billion with capitalized interest during construction estimated at \$290 million. ⁽⁴⁾ See the Company's news release of December 23, 2024 for more details on the JV closing.

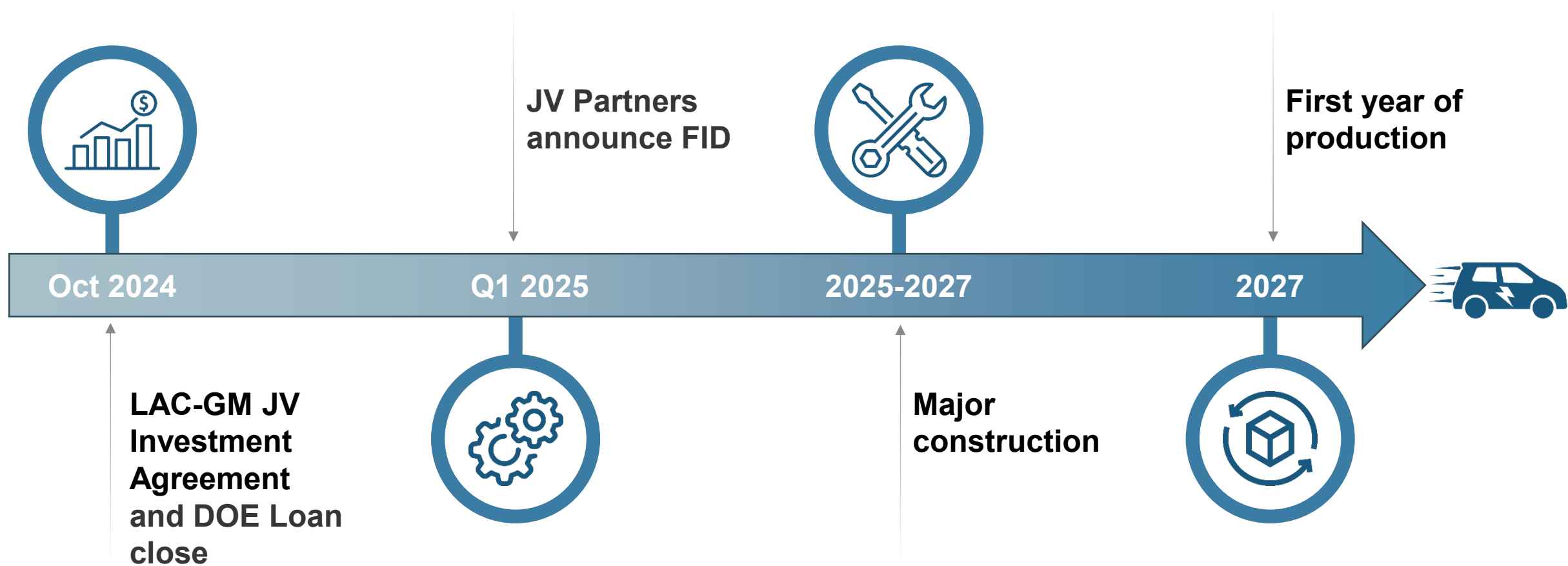
Benefits of the LAC-GM JV Transaction to Lithium Americas⁽¹⁾



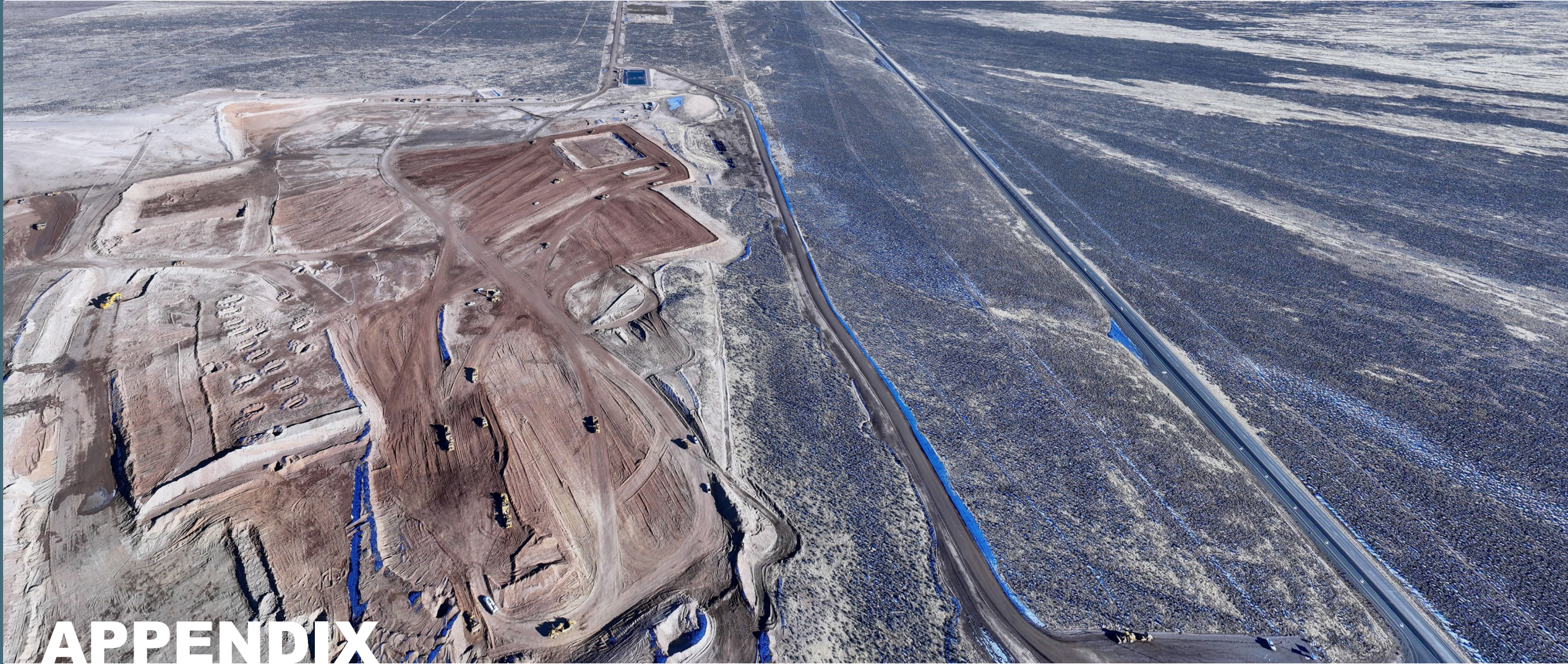
⁽¹⁾ See the Company's news release of October 16, 2024 and December 23, 2024 for more details. ⁽²⁾ Total consists of GM's \$320 million Tranche 1 investment, \$430 million cash investment incremental to Tranche 1 and \$195 million letters of credit.

Thacker Pass: Clear Path to First Production in 2027

Permitted and set to advance Phase 1 into major construction



Thacker Pass is the most advanced lithium project in the U.S. with a clear path to production



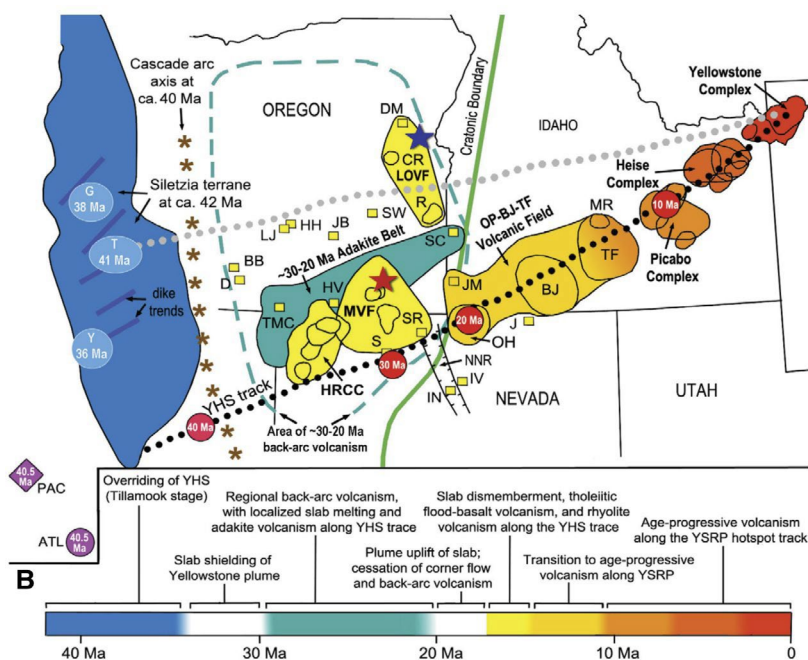
APPENDIX

Drone shot of Thacker Pass process plant pad, looking east

Unique Geology

The McDermitt Caldera

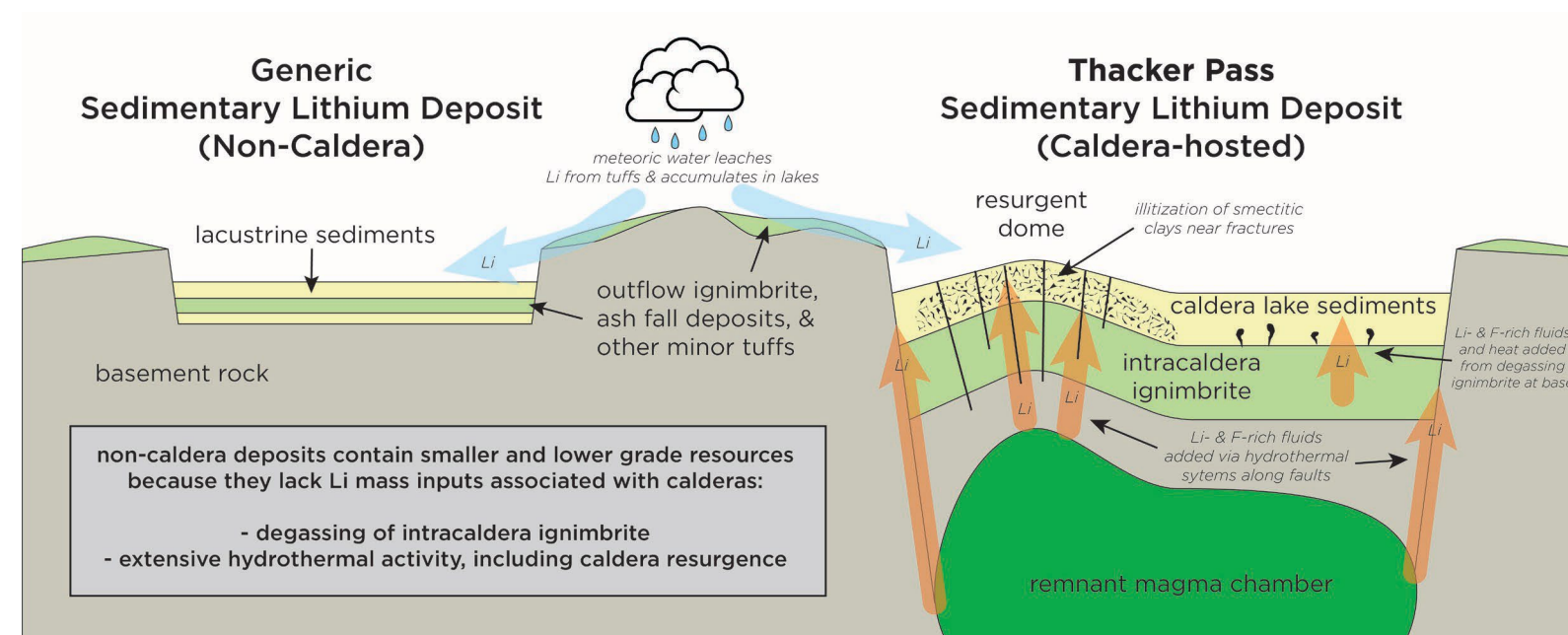
Originated from a Yellowstone complex supervolcano ~16 million years ago



Source: Camp and Tolán (2020)

Caldera Setting as Key Differentiator

Post-caldera hydrothermal fluids in the vicinity of Thacker Pass altered some of the smectite to illite clay, increasing the concentration of lithium in the illitic zones



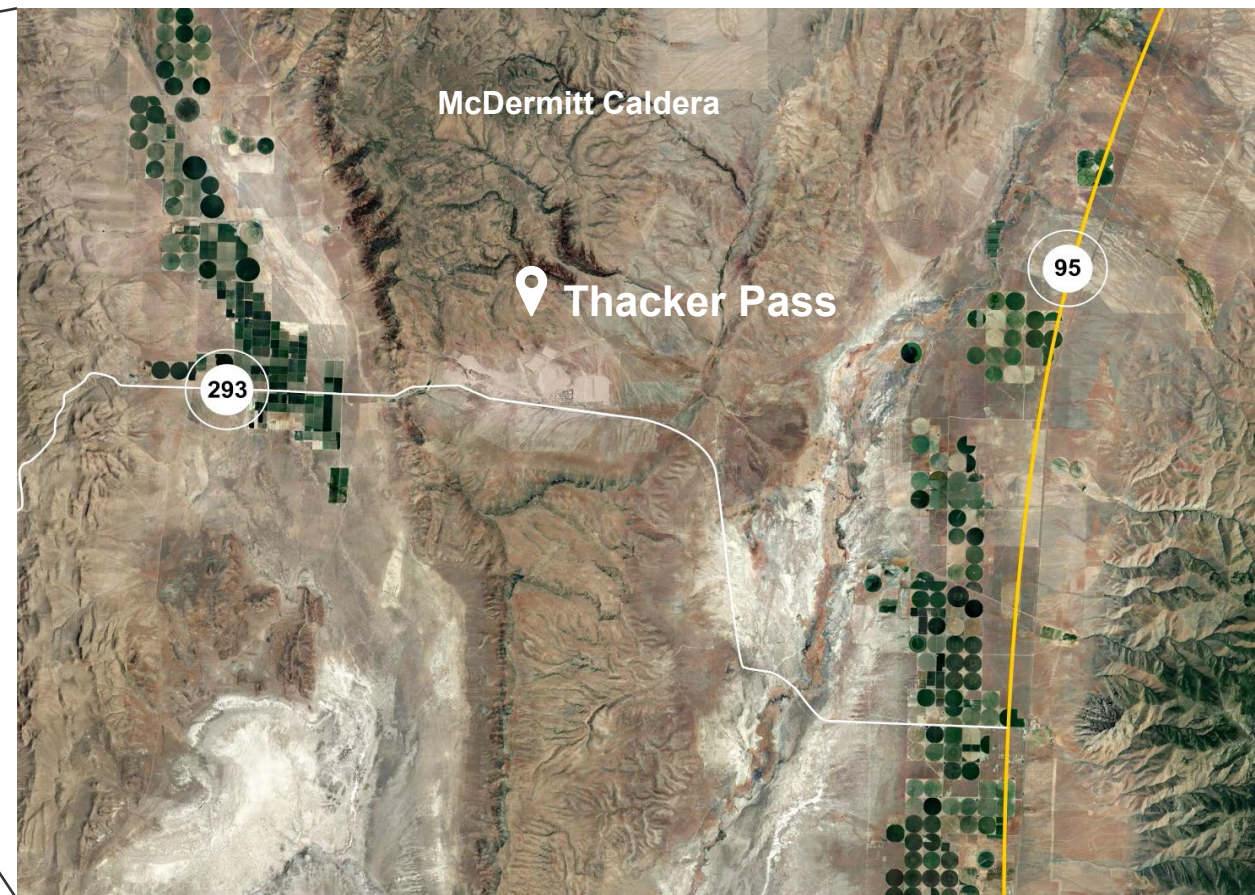
Source: Dr. Thomas R. Benson

The resulting near-surface deposit allows for a shallow open pit (<400 feet deep) that will be block mined with active reclamation to minimize environmental impact

Thacker Pass Location Benefits



- Access to adjacent paved highways; road improvements to facilitate construction traffic completed
- Lease for transloading terminal secured; access to rail ~60 miles away in Winnemucca, adjacent to I-80 for reagent transport
 - Phase 4 expansion incorporates a direct rail line to Thacker Pass⁽¹⁾
- Access to hydroelectric via onsite high voltage transmission line
- Water rights acquired⁽²⁾ for Phase 1 and water infrastructure completed
- Workforce Hub located in Winnemucca; a full-service housing facility for construction workers



(1) See the Company's news release of January 7, 2025 for more details.

(2) See the Company's Form 20-F for the year ended December 31, 2023 for more details.

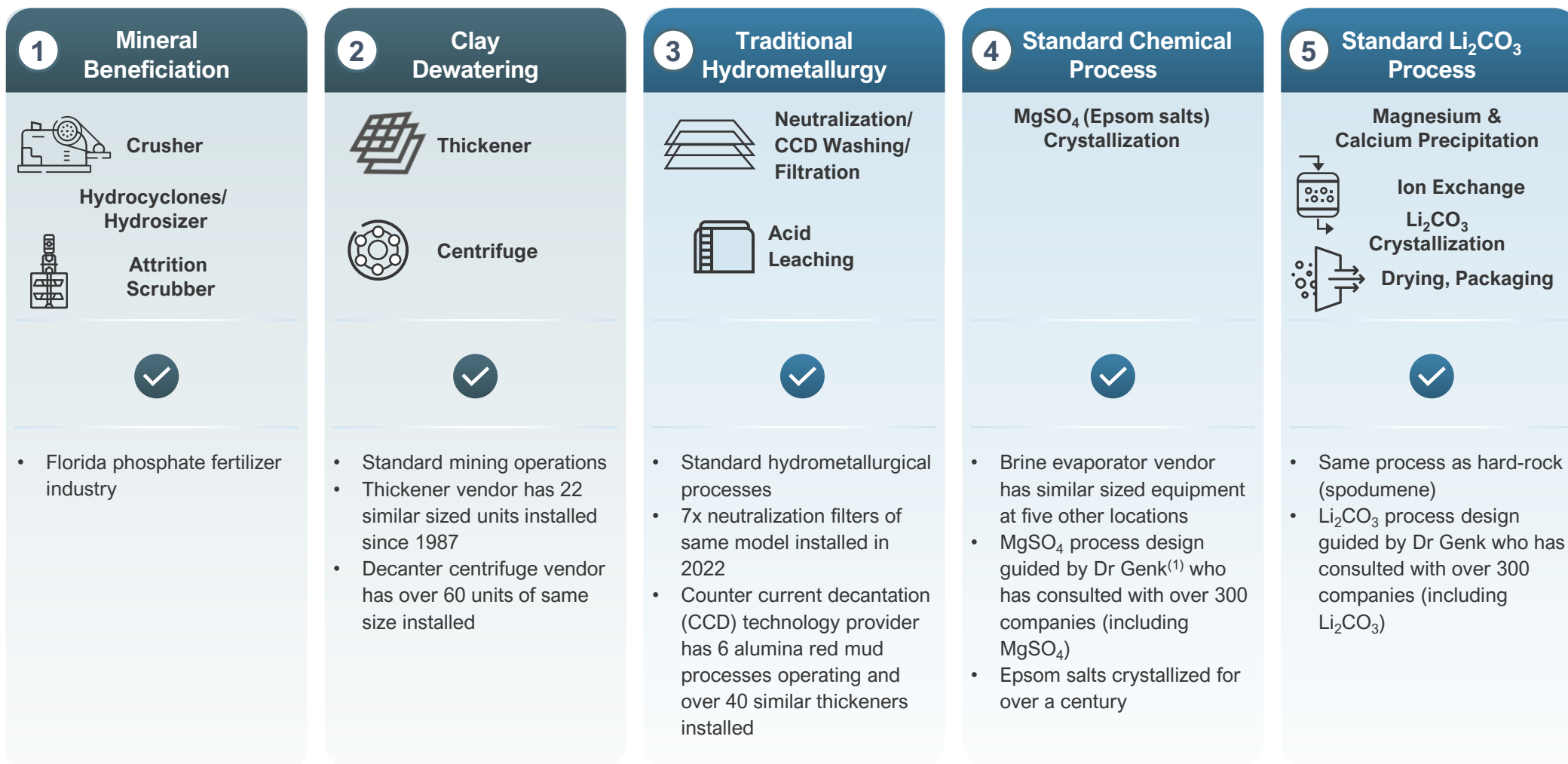
Thacker Pass Utilizes Well Proven Technology and Equipment

No novel equipment required; the flowsheet consists of standard equipment that has been proven for decades

Thacker Pass Key
Process Steps:

Common in
Industry?

Select Industry
Examples:



Lithium Technical Development Center

Producing lithium carbonate samples since July 2022

- 30,000 ft² state-of-the-art laboratory and piloting facility integrating the Thacker Pass flow sheet from end-to-end
 - Validated Thacker Pass flowsheet with all recycles in place
 - Proven production of battery-quality lithium carbonate from Thacker Pass ore via continuous-production process
 - Replicating integrated process including a full-scale hydrocyclone to mitigate scale-up issues
- Currently conducting research for continual optimization of process and beneficial use of byproducts
- ISO-9001:2015 certified



Developing Sustainable Lithium

ENVIRONMENTAL



Minimizing our environmental impact

- On-site energy generation combined with clean hydropower electricity is expected to minimize Scope 2 carbon intensity to almost zero
- Any water withdrawn is expected to be recycled and reused an average of 7x within the production process
- Zero liquid discharge facility eliminates discharge of industrial wastewater into the environment
- Collaborating with University Nevada, Reno on potential beneficial uses and the commercial viability of our waste streams

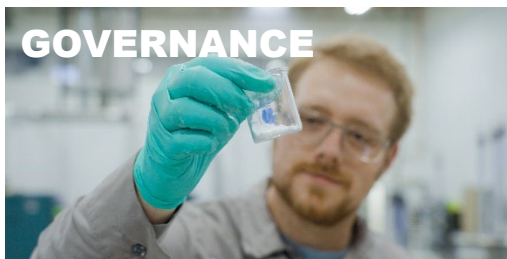
SOCIAL



Building collaborative and mutually beneficial relationships

- Community Benefits Agreement with the Fort McDermitt Paiute and Shoshone Tribe
- Signed a Project Labor Agreement with North America's Building Trades Unions for construction
- In 2023, over 70% of new hires to support Thacker Pass are local to Nevada
- Active Community Working Group member, focused on identifying solutions that protect the safety and well-being of community members during construction and operations

GOVERNANCE



A culture of honesty, integrity, respect and accountability

- Cleared all known regulatory and legal hurdles to advance to major construction
- Achieved ISO 90001:2015 Quality Management Systems certification at our Lithium Technical Development Center
- Formalized the Site Security Plan
- Adopted a DEI Policy, Human Rights Policy, Integrity Policy, Safety Policy, Vendor Code of Conduct and an IT and Cybersecurity Policy

SAFETY



Proactive approach to safety and seek to prevent, minimize and manage health and safety risks

- Formalized health and safety management system in place
- 'Work Safe Home Safe' program in partnership with Bechtel
- Life Saving Rules
- Established a SafeStart™ Steering Committee, VelocityEHS Committee and a joint H&S Committee, that includes members of safety, management and worker participation

Actively Engaging with Local Tribal and Community Members

Through years of engagement, information sharing and meetings, we have learned about the community needs and priorities



Community Benefits Agreement with the Fort McDermitt Paiute and Shoshone Tribe

- Closest Native American tribe to Thacker Pass, ~40 miles from Thacker Pass



Direct Benefit to Local Community

- Formal stakeholder engagement process with local communities; funding a new K-8 school in Orovada



Creating Employment Opportunities

- Direct employment of approximately 1,800 jobs during construction and approximately 360 permanent jobs for Phase 1 operations
- Planning job readiness training
- Cultural monitor training allowed for eleven tribe members to actively participate in critical archeological work
- In 2023, provided temporary and full-time employment opportunities to tribal members, including eight Tribe members and three Duck Valley members and one Arizona Navajo living in Fort McDermitt

Community Needs & Priorities Delivered:



Quality preschool and community facilities



Hired locally to support early work construction



Greenhouse for native plant species, traditional foods and medicinal plants



Skills Training



“Thacker Pass will provide important economic and employment opportunities for members of our Tribe”

Larina Bell, previous Acting Chairwoman of the Fort McDermitt Paiute and Shoshone Tribe commented on the Loan

Top-tier Board of Directors with Deep Applicable Expertise

Experts in strategic global operations and developing large capital projects, with deep technical and financial knowledge



Kelvin Dushnisky, Director and Executive Chair

Extensive career history with mining companies, most recently serving as CEO and Board member of AngloGold Ashanti and prior to that 16+ years with Barrick Gold. Past Chair of the World Gold Council.



Jonathan Evans, Director, President and CEO

20+ years of operations and general management experience across businesses of various sizes and industry applications. Previous executive management / operations roles at FMC (lithium division), Diversitech Corp., and Arysta, General Electric.



Jinhee Magie, Director and Chair, Compensation and Leadership Committee

25+ years of experience in financial reporting, treasury, tax and information technology (including cybersecurity), with 15 years in the mining industry. Previously served as the CFO and SVP for Lundin Mining. Extensive experience in acquisitions, divestitures, public and private equity fundraising and public company reporting.



Yuan Gao, Lead Independent Director and Chair, Governance and Nomination Committee

Was the Vice Chairman of the board of Qinghai Taifeng Pulead Lithium-Energy Technology, a leading producer of cathodes for lithium-ion batteries, having served as President and CEO before. Previous executive management experience at Molycorp and FMC Corporation (USA).



Zach Kirkman, Director

Currently Deputy CFO at General Motors, leading Corporate Development, GM Ventures & Treasury teams. He is GM's nominee to the LAC Board. Extensive M&A and investing experience, from time leading corporate development teams at GM, Tesla and Apple.



Philip Montgomery, Director and Chair, Technical Committee

Extensive global experience in major capital projects. 35+ year career at BHP Group Limited and its predecessor organizations, including serving as Global Head of Group Project Management and Vice President – Projects.



Michael Brown, Director and Chair, Safety and Sustainability Committee

Fellow at the Lincy Institute at the University of Nevada, Las Vegas and past Chairman of the Nevada Mining Association. Previously served in the Cabinet of Governor Sisolak of Nevada. Prior to joining the Cabinet, he spent 24 years at Barrick Gold North America, serving as President from 2015-2018.



Fabiana Chubbs, Director and Chair, Audit and Risk Committee

20+ years of experience leading treasury and risk management functions, most recently as CFO of Eldorado Gold. Prior to her career at Eldorado, worked at PwC Canada specializing in the audit of public mining and technology companies. She also serves on the board of Royal Gold, Inc.

BOARD COMMITTEE COMPOSITE	Audit & Risk Committee	Governance & Nomination Committee	Compensation & Leadership Committee	Safety & Sustainability Committee	Technical Committee
Michael Brown*					
Fabiana Chubbs*					
Kelvin Dushnisky					
Jonathan Evans					
Yuan Gao*					
Zach Kirkman					
Jinhee Magie*					
Philip Montgomery*					

Legend:

Committee Chair

Committee Member

*Independent Board member

Proven Team with a Strong Track Record



EPCM CONTRACTOR – Trusted industry-leading firm that has built more than 25,000 projects for industries and governments in 160 countries on all seven continents

Experienced Management team with leading technical, project development and financial expertise



Jonathan Evans, Director, President & CEO

20+ years of operations and general management experience across businesses of various sizes and industry applications. Previous executive management / operations roles at FMC (lithium division), Diversitech Corp., and Arysta, General Electric.



Aubree Barnum, VP, Human Resources

13+ years of experience as a human resources professional in municipal and mining industry. Previously held position as the Vice President of Human Resources for Nevada Copper.



Tim Crowley, VP, Government & External Affairs

30+ years of experience in public affairs and community relations, including serving as an aide to former Senator Harry Reid and Nevada Governor Bob Miller. Former President of the Nevada Mining Association.



Rene Leblanc, VP, Growth & Product Strategy

20 years of experience in process development, operations and battery supply chain development, 17 years in the lithium space. Experience developing the battery supply chain for Tesla and technical qualification of products & process development for FMC's Lithium Division.



Virginia Morgan, VP, Investor Relations & ESG

20+ years of experience in investor relations, ESG and corporate communications. Previously held positions at Capstone Mining, Goldcorp and Avalon Rare Metals.



Alexi Zawadzki, VP, Resource Development

20+ years of experience in developing mining and energy projects. Founded a publicly traded renewable energy company resulting in the construction and operation of two hydroelectric facilities.



Hugh Broadhurst, General Manager, Thacker Pass

20+ years of experience in global operations, process development and capital project implementation. Previously held positions at Rohm & Haas (Dow Chemical) and Syngenta



April Hashimoto, Interim CFO & SVP, Finance & Administration

20+ years of financial experience in the mining sector including exploration, construction and operations. Previously held positions as CFO for Pembroke Copper, Pacific Rim Mining and Global Exploration & Project Development at Placer Dome.



Richard Gerspacher, EVP, Capital Projects

25 years of experience in developing and executing industrial and mining projects. Previously worked for Fluor Corporation, served as VP and Projects Director for a lithium project in Australia.



Ted Grandy, SVP, General Counsel & Corporate Secretary

20+ of experience in legal and compliance counseling within mining, including serving as the General Counsel of Barrick's copper business. Former law firm partner; holds Bachelor of Arts from Middlebury College and J.D. from the Emory University School of Law.

Thacker Pass Mineral Resource and Reserve

As reported under NI 43-101 as of December 31, 2024

Mineral Reserve Estimate

Category	Tonnage (Mt)	Average Li (ppm)	LCE (Mt)
Proven	269.5	3,180	4.5
Probable	787.1	2,320	9.7
Total Proven & Probable	1,056.7	2,540	14.3

Mineral Reserve Notes

1. The independent Qualified Person for the Mineral Reserves Estimate has been prepared by Kevin Bahe, P.E.
2. Mineral Reserves have been converted from measured and indicated Mineral Resources within the feasibility study and have demonstrated economic viability.
3. Reserves presented in an optimized pit at an 85% maximum ash content, cutoff grade of 858 ppm Li, and an average cut-off factor of 13.3 kg of LCE recovered per tonne of leach ore tonne (ranged from 7.5-26 kg of LCE recovered per tonne of leach ore tonne).
4. A sales price of \$29,000 US\$/tonne of Li₂CO₃ was utilized in the pit optimization resulting in the generation of the reserve pit shell in 2024. An overall slope of 27 degrees was applied. For bedrock material pit slope was set at 52 degrees. Mining and processing costs of \$95.40 per tonne of ROM feed, a processing recovery factor based on the block model, and a GRR cost of 1.75% were additional inputs into the pit optimization.
5. A LOM plan was developed based on equipment selection, equipment rates, labor rates, and plant feed and reagent parameters. All Mineral Reserves are within the LOM plan. The LOM plan is the basis for the economic assessment within the Technical Report, which is used to show the economic viability of the Mineral Reserves.
6. Applied density for the ore is varied by clay type (Table 14-13 of the Technical Report).
7. Lithium Carbonate Equivalent is based on in-situ LCE tonnes with a 95% mine recovery factor.
8. Tonnages and grades have been rounded to accuracy levels deemed appropriate by the QP. Summation errors due to rounding may exist.
9. The reference point at which the Mineral Reserves are defined is at the point where the ore is delivered to the run-of-mine feeder.
10. Mineral Reserves are presented on a 100% basis. LN indirectly owns the Project. Lithium Americas owns a 62% interest in LN and GM owns the remaining 38%.

See the Company's Reports for full details.

Mineral Resource Estimate

Category	Tonnage (Mt)	Average Li (ppm)	LCE (Mt)
Measured (M)	560.8	2,680	8.0
Indicated (I)	3,225.2	2,150	36.5
Total M & I	3,786.0	2,230	44.5
Inferred	1,981.5	2,070	21.6

Mineral Resource Notes

1. The independent Qualified Person who supervised the preparation of and approved disclosure for the estimate is Benson Chow, P.G., SME-RM.
2. Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.
3. The Mineral Resource model has been generated using Imperial units. Metric tonnages shown in table are conversions from the Imperial Block Model.
4. Mineral Resources are inclusive of 1,056.7 million metric tonnes (Mt) of Mineral Reserves
5. Mineral Resources are reported using an economic break-even formula: "Operating Cost per Resource Short Ton"/"Price per Recovered Short Ton Lithium" * 10^6 = ppm Li Cutoff. "Operating Cost per Resource Short Ton" = US\$86.76, "Price per Recovered Short Ton Lithium" is estimated: "Lithium Carbonate Equivalent (LCE) Price" * 5.3228 * (1 – "Royalties") * "Metallurgical Recovery". Variables are "LCE Price" = US\$26,308/Short Ton (\$29,000/tonne) Li₂CO₃, "GRR" = 1.75% and "Metallurgical Recovery" = 73.5%.
6. Presented at a cutoff grade of 858 ppm Li. and a maximum ash content of 85%.
7. A mineral resource constraining pit shell has been derived from performing a pit optimization estimation using Vulcan software and the same economic inputs as what was used to calculate the cutoff grade.
8. The conversion factor for lithium to LCE is 5.3228.
9. Applied density for the mineralization is weighted in the block model based on clay and ash percentages in each block and the average density for each lithology (Section 14.1.6.4 of the Technical Report).
10. Measured Mineral Resources are in blocks estimated using at least 3 drill holes and 10 samples where the closest sample during estimation is less than or equal to 900 ft. Indicated Mineral Resources are in blocks estimated using at least 2 drill holes and 10 samples where the closest sample during estimation is less than or equal to 1,500 ft. Inferred Mineral Resources are in blocks estimated using at least 2 drill holes and 9 samples where the closest sample during estimation is less than or equal to 2,500 ft.
11. Tonnages and grades have been rounded to accuracy levels deemed appropriate by the QP. Summation errors due to rounding may exist.
12. Mineral Resources are presented on a 100% basis. LN indirectly owns the Project. Lithium Americas owns a 62% interest in LN and GM owns the remaining 38%.

THE LARGEST KNOWN
MEASURED LITHIUM
RESOURCE & RESERVE
IN THE WORLD



Thacker Pass Mineral Resource and Reserve

As reported under S-K 1300, as of December 31, 2024

Mineral Reserve Estimate

Category	Tonnage (Mt)	Average Li (ppm)	LCE (Mt)
Proven	269.5	3,180	4.5
Probable	787.1	2,320	9.7
Total Proven & Probable	1,056.7	2,540	14.3

Mineral Reserve Notes

- Mineral Reserves Estimate has been prepared by Sawtooth Mining, LLC.
- Mineral Reserves have been converted from measured and indicated Mineral Resources within the pre-feasibility study and have demonstrated economic viability.
- Reserves presented in an optimized pit at an 85% maximum ash content, cutoff grade of 858 ppm Li, and an average cut-off factor of 13.3 kg of LCE recovered per tonne of leach ore tonne (ranged from 7.5-26 kg of LCE recovered per tonne of leach ore tonne).
- A sales price of \$29,000 US\$/tonne of Li_2CO_3 was utilized in the pit optimization resulting in the generation of the reserve pit shell in 2024. An overall slope of 27 degrees was applied. For bedrock material pit slope was set at 52 degrees. Mining and processing costs of \$95.40 per tonne of ROM feed, a processing recovery factor based on the block model, and a GRR cost of 1.75% were additional inputs into the pit optimization.
- A LOM plan was developed based on equipment selection, equipment rates, labor rates, and plant feed and reagent parameters. All Mineral Reserves are within the LOM plan. The LOM plan is the basis for the economic assessment within the TRS, which is used to show the economic viability of the Mineral Reserves.
- Applied density for the ore is varied by clay type (Table 11-13 of Section 11 of the Thacker Pass 1300 Report).
- Lithium Carbonate Equivalent is based on in-situ LCE tonnes with a 95% mine recovery factor.
- Tonnages and grades have been rounded to accuracy levels deemed appropriate by the QP. Summation errors due to rounding may exist.
- The reference point at which the Mineral Reserves are defined is at the point where the ore is delivered to the run-of-mine feeder.
- Mineral Reserves are presented on a 100% basis. LN indirectly owns the Project. Lithium Americas owns a 62% interest in LN and GM owns the remaining 38%.

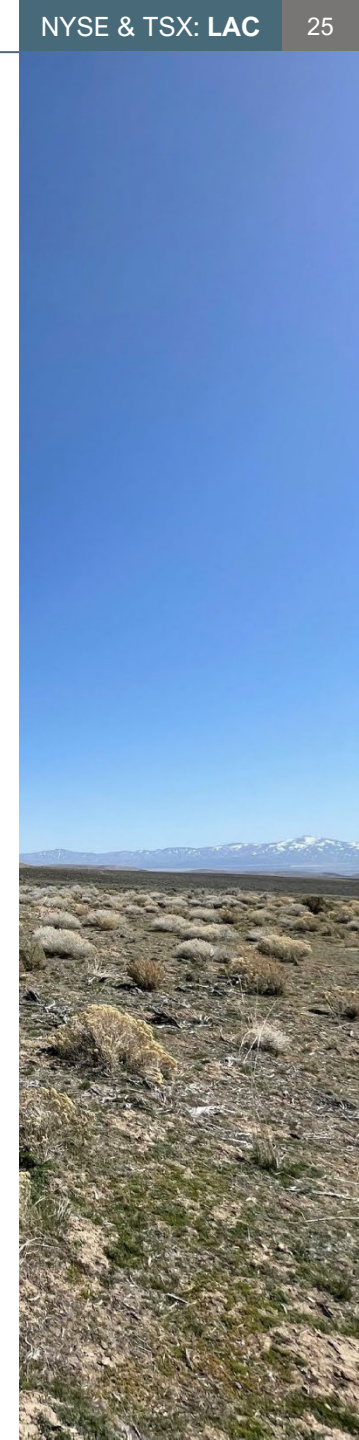
See the Company's Reports for full details.

Mineral Resource Estimate

Category	Tonnage (Mt)	Average Li (ppm)	LCE (Mt)	Metallurgical Recovery (%)
Measured (M)	277.1	2,180	3.2	69%
Indicated (I)	2,396.6	2,060	26.3	68%
Total M & I	2,673.7	2,070	29.5	68%
Inferred	1,981.5	2,070	21.6	75%

Mineral Resource Notes

- Mineral Resource Estimate has been prepared by Sawtooth Mining, LLC as of December 31, 2024.
- Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.
- The Mineral Resource model has been generated using Imperial units. Metric tonnages shown in table are conversions from the Imperial Block Model.
- Mineral Resources are in situ and exclusive of 1,056.7 million metric tonnes (Mt) of Mineral Reserves (Section 12 of the Thacker Pass 1300 Report).
- Mineral Resources are reported using an economic break-even formula: "Operating Cost per Resource Short Ton"/"Price per Recovered Short Ton Lithium" * 10^6 = ppm Li Cutoff. "Operating Cost per Resource Short Ton" = US\$86.76, "Price per Recovered Short Ton Lithium" is estimated: "Lithium Carbonate Equivalent (LCE) Price" * 5.3228 * (1 - "Royalties") * "Metallurgical Recovery". Variables are "LCE Price" = US\$26,308/Short Ton (\$29,000/tonne) Li_2CO_3 , "GRR" = 1.75% and "Metallurgical Recovery" = 73.5%.
- Presented at a cutoff grade of 858 ppm Li. and a maximum ash content of 85%.
- A mineral resource constraining pit shell has been derived from performing a pit optimization estimation using Vulcan software and the same economic inputs as what was used to calculate the cutoff grade.
- The conversion factor for lithium to LCE is 5.3228.
- Applied density for the mineralization is weighted in the block model based on clay and ash percentages in each block and the average density for each lithology (Section 11.1.6.4 of the Thacker Pass 1300 Report).
- Measured Mineral Resources are in blocks estimated using at least 3 drill holes and 10 samples where the closest sample during estimation is less than or equal to 900 ft. Indicated Mineral Resources are in blocks estimated using at least 2 drill holes and 10 samples where the closest sample during estimation is less than or equal to 1,500 ft. Inferred Mineral Resources are in blocks estimated using at least 2 drill holes and 9 samples where the closest sample during estimation is less than or equal to 2,500 ft.
- Tonnages and grades have been rounded to accuracy levels deemed appropriate by the QP. Summation errors due to rounding may exist.
- Mineral Reserves are presented on a 100% basis. LN indirectly owns the Project. Lithium Americas owns a 62% interest in LN and GM owns the remaining 38%.



Thacker Pass Technical Report – Sensitivity Analysis

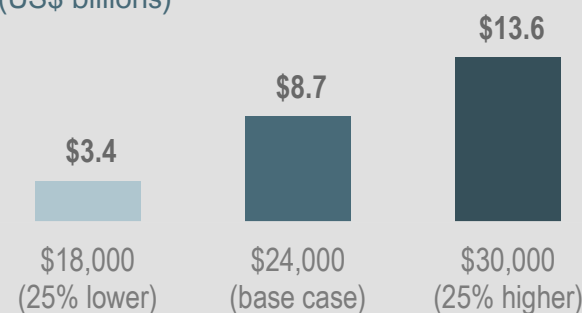
Technical Report Results

Base Case – Life of Mine (LOM)	85 years
Years 1-25 of 85-year LOM	Production Scenario
Lithium Price Assumption	\$24,000 per tonne
Avg. Annual EBIDTA – Base Case	\$2.1 billion
Avg. Annual EBIDTA – Production Scenario	\$2.2 billion
NPV (8%) – Base Case	\$8.7 billion
NPV (8%) – Production Scenario	\$5.9 billion
IRR (after-tax) – Base Case	20.0%
IRR (after-tax) – Production Scenario	19.6%
Payback (after-tax, 8% discount) – LOM	8.7 years

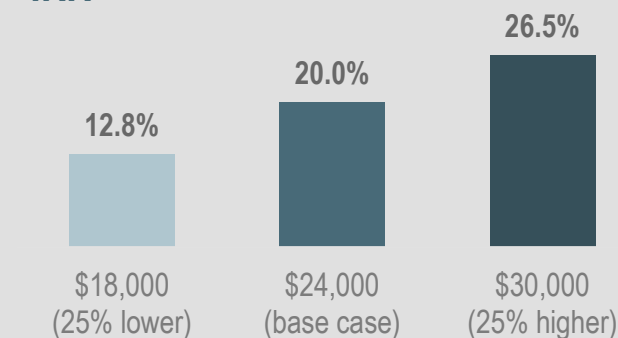
NPV and IRR Sensitivity Analysis

NPV

(US\$ billions)



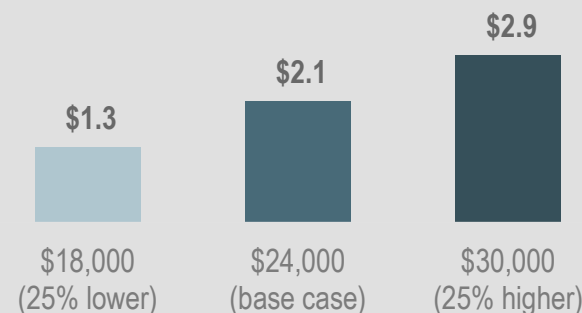
IRR



EBITDA Sensitivity Analysis

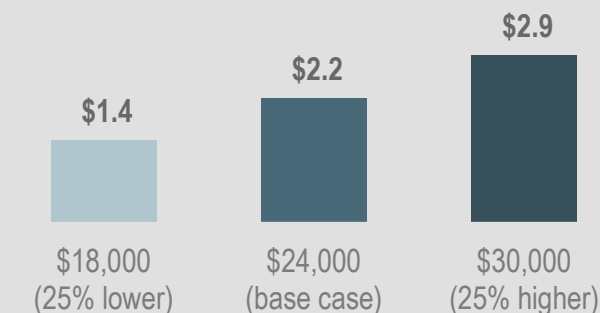
NPV – LOM

(US\$ billions)



NPV – Production Scenario

(US\$ billions)



Dec 2024 Technical Report vs. Nov 2022 Feasibility Study

Thacker Pass NI 43-101 Comparison	December 2024 Technical Report		November 2022 Feasibility Study	
(US\$)	Production Scenario (Years 1-25)	Base Case (85-year LOM)	Production Scenario (Years 1-25)	Base Case (40-year LOM)
Total Measured & Indicated	44.5 Mt at a grade of 2,230 ppm Li		16.1 Mt at a grade of 2,070 ppm Li	
Total Inferred	21.6 Mt at a grade of 2,070 ppm Li		3.0 Mt at a grade of 1,870 ppm Li	
Total Proven & Probable	14.3 Mt at a grade of 2,540 ppm Li		3.7 Mt at a grade of 3,160 ppm Li	
Ore Reserve Life	85 years		40 years	
Operational Life	25 years	85 years	25 years	40 years
Total Nominal Production Capacity	160,000 t/y Li ₂ CO ₃		80,000 t/y Li ₂ CO ₃	
Number of Phases	5 phases		2 phases	
Mining Method	Continuous open-pit mining			
Processing Method	Sulfuric acid leaching			
Initial Capital Costs – Phase 1	\$2.9 billion with a 15% contingency		\$2.2 billion with a 13.1% contingency	
Initial Capital Costs – Phase 2	\$2.3 billion with a 15% contingency		\$1.7 billion with a 13.1% contingency	
Initial Capital Costs – Phase 3	\$2.8 billion with a 15% contingency		-	
Initial Capital Costs – Phase 4 and 5 (includes rail)	\$4.3 billion with a 15% contingency		-	
Sustaining Capital Costs (includes contract capital repayments)	\$1.6 billion	\$6.9 billion	\$677 million	\$1.6 billion
Operating Costs (average) (per tonne Li ₂ CO ₃)	\$6,238	\$8,039	\$6,743	\$7,198
Lithium Carbonate Price Assumption (per tonne)	\$24,000		\$24,000	
Average Annual EBITDA	\$2.2 billion	\$2.1 billion	\$1.2 billion	\$1.1 billion
After-tax NPV @ 8% Discount Rate	\$5.9 billion	\$8.7 billion	\$5.0 billion	\$5.7 billion
After-tax IRR – Production Scenario	19.6%	20.0%	21.2%	21.4%

Following is a comparison of key results for the December 2024 Technical Report and the November 2022 Feasibility Study. Refer to both reports on SEDAR+ for full details.

Forward-Looking Statements and Information

This presentation contains “forward-looking information” within the meaning of applicable Canadian securities legislation, and “forward-looking statements” within the meaning of applicable United States securities legislation (collectively referred to as “forward-looking information” (“**FLI**”)). All statements, other than statements of historical fact, are FLI and can be identified by the use of statements that include, but are not limited to, words, such as “anticipate”, “plan”, “continues”, “estimate”, “expect”, “may”, “will”, “projects”, “predict”, “proposes”, “potential”, “target”, “implement”, “scheduled”, “forecast”, “intend”, “would”, “could”, “might”, “should”, “believe” and similar terminology, or statements that certain actions, events or results “may”, “could”, “would”, “might” or “will” be taken, occur or be achieved. FLI in this presentation includes, but is not limited to, statements related to the JV Transaction with General Motors LLC (“**GM**”) and the loan (the “**DOE Loan**”) from the U.S. Department of Energy (the “**U.S. DOE**”) under the Advanced Technology Vehicles Manufacturing (“**ATVM**”) Loan Program, including statements regarding satisfaction of draw-down conditions on the DOE Loan; anticipated timing for a final investment decision and issuance of full notice to proceed in respect of Thacker Pass; expectation about the extent that the JV Transaction, DOE Loan and cash on hand have de-risked funding for the development and construction of Thacker Pass and the ability of LAC to complete all supplementary financing in order to draw-down on the DOE Loan and make a final investment decision; the expected capital expenditures for the construction of Thacker Pass; expectations and timing on the commencement of major construction and first year of production; project de-risking initiatives and extent to which work to date has de-risked project execution; ability to supply enough Inflation Reduction Act-compliant lithium to GM to support stated annual production of electric vehicles; expectations regarding the relationship with GM, including that GM will be a long-term offtake partner; production capacity estimates; expectations regarding the minimizing of environmental impact of operations; mineral resource and mineral reserve estimates; expectations related to the construction build and phases of Thacker Pass, job creation, nameplate capacity (as well as expansion potential) and mine life; statements with respect to the expected economics of Thacker Pass, including production expectations, EBITDA, NPV, IRR, pricing assumptions, life of mine, OPEX and sustaining capital; other statements with respect to the Company’s future objectives and strategies to achieve these objectives, and management’s beliefs, plans, estimates and intentions, and similar statements concerning anticipated future events, results, circumstances, performance or expectations that are not historical facts.

FLI involves known and unknown risks, assumptions and other factors that may cause actual results or performance to differ materially. FLI reflects the Company’s current views about future events, and while considered reasonable by the Company as of the date of this presentation, are inherently subject to significant uncertainties and contingencies. Accordingly, there can be no certainty that they will accurately reflect actual results. Assumptions upon which such FLI is based include, without limitation: a cordial business relationship between the Company and third party strategic and contractual partners; confidence that development, construction and operations at Thacker Pass will proceed as anticipated, including the impact of potential supply chain disruptions and the availability of equipment and facilities necessary to complete development and construction at Thacker Pass and produce battery grade lithium; the Company’s ability to operate in a safe and effective manner, and without material adverse impact from the effects of climate change or severe weather conditions; expectations regarding the Company’s financial resources and future prospects; expectations regarding future pricing of lithium and the supplies necessary to operate Thacker Pass; the ability to meet future objectives and priorities; general business and economic uncertainties and adverse market conditions; settlement of agreements related to the operation and sale of mineral production as well as contracts in respect of operations and inputs required in the course of production; the respective benefits and impacts of Thacker Pass when production operations commence; unforeseen technological, engineering and operational problems; political factors, including the impact of the 2024 U.S. presidential election on, among other things, the extractive resource industry, the green energy transition and the electric vehicle market; accuracy of development budgets and construction estimates; uncertainties inherent to feasibility studies and mineral resource and mineral reserve estimates; reliability of technical data;

uncertainties relating to receiving and maintaining mining, exploration, environmental and other permits or approvals in Nevada; government regulation of mining operations and changes to regulatory or governmental royalty or tax rates; delays in obtaining governmental approvals or financing or in the completion of development or construction activities; demand for lithium, including that such demand is supported by growth in the electric vehicle market; current technological trends; the impact of increasing competition in the lithium business, and the Company’s competitive position in the industry; changes to costs of production due to general economic factors such as: recession, inflation, deflation, and financial instability; compliance by joint venture partners with terms of agreements; continuing support of local communities and the Fort McDermitt Paiute and Shoshone Tribe for Thacker Pass, and continuing constructive engagement with these and other stakeholders, and any expected benefits of such engagement; risks related to cost, funding and regulatory authorities to develop a workforce housing facility; the stable and supportive legislative, regulatory and community environment in the jurisdictions where the Company operates; ability to realize expected benefits from investments in or partnerships with third parties; availability of technology, including low carbon energy sources and water rights, on acceptable terms to advance Thacker Pass; the impact of unknown financial contingencies, including litigation costs, title dispute or claims, environmental compliance costs and costs associated with the impacts of climate change, on the Company’s operations; increased attention to environmental, social, governance and safety (“**ESG-S**”) and sustainability-related matters, risks related to the Company’s public statements with respect to such matters that may be subject to heightened scrutiny from public and governmental authorities related to the risk of potential “greenwashing,” (i.e., misleading information or false claims overstating potential sustainability-related benefits), risks that the Company may face regarding potentially conflicting anti-ESG-S initiatives from certain U.S. state or other governments; estimates of and unpredictable changes to the market prices for lithium products, as well as assumptions concerning general economic and industry growth rates, commodity prices, currency exchange and interest rates and competitive conditions. Although the Company believes that the assumptions and expectations reflected in such FLI are reasonable, the Company can give no assurance that these assumptions and expectations will prove to be correct.

Readers are cautioned that the foregoing lists of factors are not exhaustive. There can be no assurance that FLI will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. As such, readers are cautioned not to place undue reliance on this information, and that this information may not be appropriate for any other purpose, including investment purposes. The Company’s actual results could differ materially from those anticipated in any FLI as a result of the risk factors set out herein and in the Company’s filings with securities regulators.

The FLI contained in this presentation is expressly qualified by these cautionary statements. All FLI in this presentation speaks as of the date hereof. The Company does not undertake any obligation to update or revise any FLI, whether as a result of new information, future events or otherwise, except as required by law. Additional information about these assumptions and risks and uncertainties is contained in the Company’s filings with securities regulators, including the Company’s most recent Annual Report on Form 20-F and most recent management’s discussion and analysis for our most recently completed financial year and the most recent interim financial period, which are available on SEDAR+ at www.sedarplus.ca and on EDGAR at www.sec.gov. All FLI contained in this presentation is expressly qualified by the risk factors set out in the aforementioned documents.

LithiumAmericas

CONTACT INFORMATION

Virginia (Ginny) Morgan
Vice President, IR and ESG
info@lithiumamericas.com
www.lithiumamericas.com



@LithiumAmericas