CAUTIONARY STATEMENT

ADDITIONAL REFERENCE MATERIALS
This presentation should be read in conjunction with Lithium Americas Corp.’s (“Lithium Americas”, “LAC” or the “Company”) news releases, latest Management Discussion and Analysis (“MD&A”) and Financial Statements (“Financials”) for the six months ended June 30, 2022 (“Q2 2022”), Technical Reports, Annual Information Form, Management Information Circular and 2021 Environmental, Social, Governance and Safety (ESG-S) Report (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 on SEDAR or EDGAR.

This presentation shall not constitute an offer to sell or a solicitation of an offer to purchase securities, and shall not constitute an offer, solicitation or sale in any state or jurisdiction in which or to any person to whom such an offer, solicitation or sale would be unlawful. This presentation includes information on peer companies and other industry and market data. We obtained information from publicly available and other third-party sources as well as the Company’s good faith estimates. While the Company believes the information was prepared by reputable sources, the Company did not independently verify the information or the underlying assumptions. No representation or warranty is made as to accuracy, completeness or reasonableness of such information.

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 “FLI”), and readers should read the cautionary notes contained on the slides entitled “Forward Looking Statements and Disclaimer” in the Appendix of this document.

CURRENCY
All figures presented are in US Dollars unless otherwise noted.

NI 43-101 DISCLOSURE
Scientific and technical information in this presentation about the Caucharí-Olaroz Project and the Thacker Pass Project has been reviewed and approved by Rene LeBlanc, PhD, the Company’s Chief Technical Officer and a qualified person under National Instrument 43-101 Standards of Disclosure for Mineral Projects (“NI 43-101”). On the Company’s behalf, Mr. LeBlanc has also reviewed the scientific and technical information in this presentation about the Pastos Grandes Project filed by Millennial Lithium Corp.

Further information about the Caucharí-Olaroz Project, including a description of key assumptions, parameters, methods and risks, is available in the NI 43-101 technical report, “Updated Feasibility Study and Mineral Reserve Estimation to Support 40,000 tpa Lithium Carbonate Production at the Caucharí-Olaroz Salars, Jujuy Province, Argentina” dated effective September 30, 2020 (“Caucharí-Olaroz FS”), available on SEDAR or EDGAR.

Further information about the Thacker Pass Project, including a description of key assumptions, parameters, methods and risks, is available in the NI 43-101 technical report of Lithium Americas dated effective August 1, 2018 entitled “Technical Report on the Pre-Feasibility Study for the Thacker Pass Project, Humboldt County, Nevada, USA” (“Thacker Pass PFS”), and the Mineral Resource estimate news release of October 7, 2021, both available on SEDAR or EDGAR.

Further information about the Pastos Grandes Project, including a description of key assumptions, parameters, methods and risks, is available in the NI 43-101 technical report published by Millennial Lithium, “Feasibility Study of the Pastos Grandes Project, Salta Province, Argentina” dated effective July 29, 2019 and filed on SEDAR under Millennial Lithium’s reporting profile on September 5, 2019. To the best of the Company’s knowledge, information and belief, there is no new material scientific or technical information about the Pastos Grandes Project that would make the disclosure of the mineral resources or mineral reserves for the project inaccurate or misleading.

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. NI 43-101 may differ from the requirements of the United States Securities and Exchange Commission (“SEC”) that are applicable to domestic United States reporting companies. Any mineral reserves and mineral resources reported by the Company herein may not be comparable with information made public by United States companies subject to the SEC’s reporting and disclosure requirements.
LITHIUM AMERICAS – HIGHLIGHTS
Developing advanced-stage lithium projects in Argentina and the USA

1. **Strong balance sheet** with approximately $500 million in total liquidity

2. **Construction of Cauchari-Olaroz 40,000 tpa lithium carbonate brine project, advancing towards production**, with construction over 90% complete, focus has shifted to prioritize production over completion of all purification circuits; partnered with Ganfeng Lithium

3. **Advancing Thacker Pass towards construction** with Record of Decision and all permits to commence construction, targeting Phase 1 of 40,000 tpa and Phase 2 total capacity of 80,000 tpa lithium carbonate

4. **Strong growth pipeline** with Pastos Grandes, Cauchari-Olaroz Stage 2 and Thacker Pass Phase 2, and strategic investments in Arena Minerals and Green Technology Metals

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1. As of June 30, 2022; refer to the Company’s Q2 2022 Financials and MD&A for full details.
CAPITAL STRUCTURE

Strong balance sheet with total availability liquidity of approximately $500 million\(^4\)

<table>
<thead>
<tr>
<th>Share Price (NYSE:LAC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan-21</td>
</tr>
<tr>
<td>$35.00</td>
</tr>
</tbody>
</table>

**Largest Shareholders\(^3\)**

<table>
<thead>
<tr>
<th>Ganfeng Lithium Management &amp; Directors</th>
<th>11.1%</th>
</tr>
</thead>
</table>

**Trading Symbol**

<table>
<thead>
<tr>
<th>TSX and NYSE: LAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shares Outstanding(^4)</td>
</tr>
<tr>
<td>52 Week Range(^1)</td>
</tr>
<tr>
<td>Share Price(^1)</td>
</tr>
<tr>
<td>Average Daily Volume(^1,2)</td>
</tr>
<tr>
<td>Market Cap(^1)</td>
</tr>
<tr>
<td>Cash and cash equivalents(^4)</td>
</tr>
<tr>
<td>Available Capital from Credit Facility(^4)</td>
</tr>
<tr>
<td>Total Debt(^4)</td>
</tr>
</tbody>
</table>

**Research Coverage**

- BMO
- B.Riley
- Canaccord Genuity
- Clarkson Platou Securities AS
- Cormark Securities
- Cowen
- Deutsche Bank
- Eight Capital
- HSBC
- iA Capital Markets
- Jefferies
- J.P. Morgan
- Morningstar
- National Bank Financial
- Stifel Canada
- TD Securities
- Tuohy Brothers

All figures in US dollars, unless otherwise noted. Source: Thomson Reuters, Bloomberg, Company Reports

1 As of close on September 14, 2022 on the NYSE.
2 30-day average daily volume traded on TSX and NYSE.
3 As of September 5, 2022.
4 As of June 30, 2022; refer to the Company’s Q2 2022 Financials and MD&A for additional details.
SENIOR MANAGEMENT TEAM

Assembled management team with technical, financial and project execution experience in the lithium industry

JONATHAN EVANS
President & CEO
20+ years in management, including head of FMC Corp. Lithium Division

JOHN KANELLITSA
Executive Vice Chair
25+ years of business / finance experience

EDUARD EPSHEIN
CFO
20+ years in finance and compliance, previously CFO of Western Lithium

RICHARD GERSPACHER
SVP, Capital Projects
25 years of developing and executing industrial and mining projects, most recently a lithium project in Australia

RENE LEBLANC
CTO
10+ years of lithium process engineering at FMC Corp. and Tesla

IGNACIO CELORRIO
President, Latin America
25+ years in management and international affairs

FRANCO MIGNACCO
President, Minera Exar
Previously Vice Chairman of LAC prior to Western Lithium merger

ALEXI ZAWADZKI
President, North America
20+ years of experience in resource development and construction

CARLOS GALLI
Sr. Director, Project Development, Latin America
10+ years leading the development of lithium brine operations in Argentina

JOSE FRANCESCONI
Projects & Technical Services, Latin America
30+ years leading the development and execution of large capital projects

ALEC MEIKLE
VP, Corporate Development
10+ years in investment banking and business development

AUBREE BARNUM
VP, Human Resources
10+ years focused on human resources in municipal and mining

TOM BENSON
VP, Global Exploration
Ph.D. in volcanology from Stanford, internationally acclaimed researcher

ALEX SHULGA
VP, Finance
10+ years focused on mining audit, assurance and financial reporting

VIRGINIA MORGAN
Sr. Director, IR and ESG
20+ years experience in IR, PR-corporate communication and ESG
LITHIUM MARKET DYNAMICS
LITHIUM PRICES

Lithium carbonate prices have increased to over $70,000/t in China

Lithium Prices
($/tonne, delivered China)
EV ADOPTION DRIVING LITHIUM DEMAND

Demand for lithium batteries for electric vehicles is expected to increase by over 1,200% between 2021 and 2040.

BEV & PHEV Sales¹
(Millions of units sold)

Over 86 million EV’s expected to be sold globally by 2040

Battery Demand¹
(MWh)

Battery demand increases by over 2,000%
(between 2021 and 2040)

Lithium Production²
(Kt LCE)

Recycling is projected to account for ~26% of total supply in 2050

6.6 million EV’s sold globally in 2021

LITHIUM SUPPLY AND DEMAND

Significant supply gap emerging for lithium as market is expected to grow to over 2 Mt in 2030 and continue growing.

Expected lithium demand and supply
(million tonnes of LCE)

Source: Benchmark Minerals Q2 2022, weighted. Projects on Care and Maintenance included in Brownfield expansions.

Forecasted deficit of over 3.3 Mt

Forecasted 2030 Demand:
2.3 Mt of LCE

Highly Probable and Probable projects include 44 new expected greenfield projects
CAUCHARÍ-OLAROZ, ARGENTINA

Largest lithium carbonate brine operation under construction in over 20 years

- Stage 1 production capacity of 40,000 tpa battery-quality lithium carbonate* with forecasted project life of 40 years
- Construction continues to progress towards production
  - Wellfield and pre-concentration ponds operating at nameplate and building stock
  - Key areas of the processing plant preparing to commence commissioning shortly, supported by completion of the power line, gas pipeline and water pipeline connections
  - Construction over 90% complete, focus has shifted to prioritize production over completion of all purification circuits
    - A portion of the purification process designed to achieve battery-quality lithium carbonate is being deferred until early 2023
    - Transitioning the team from construction to operations with key hires and training initiatives
  - 1,650 workers are on site; 99% of the workforce have received three to four doses of a COVID-19 vaccine1
- Ganfeng Lithium and Lithium Americas entitled to 51% and 49% of production, respectively
- Offtake agreements at market prices in place for over 80% of LAC’s share of planned Stage 1 production (Stage 2 fully-uncommitted)
- Stage 2 expansion of at least 20,000 tpa LCE continues to advance with the development of the exploration wellfield underway

* Refer to the Caucharí-Olaroz Feasibility Study for additional details.
1. As of June 30, 2022; refer to the Company’s Q2 2022 MD&A for additional details.
Click here to view the September’22 construction video update

**CAUCHARÍ-OLAROZ PROCESSING PLANT – AERIAL VIEW**

**Step 1** – Reduces boron to <10ppm concentration

**Step 2** – Removes Mg, Ca, B and SO₄

**Step 3** – Further removal of NaCl and KCl salts

**Step 4** – Produces single-crystal high quality Li₂CO₃

**KCl Crystallizer**

**Purification Plant**

**SX Plant**

**Soda Ash Storage**

Reagent storage facility

**Lithium Carbonation Plant**

Li₂CO₃ packaged into large bags

SEPTEMBER 2022
CAUCHARÍ-OLAROZ CONSTRUCTION UPDATE

Construction continues to advance on Stage 1, currently prioritizing production over completion of all purification circuits

- **Achieved 6,000,000 person hours without a lost time injury** in late May 2022
- **Total capital cost estimate of $741 million** (on a 100% basis)
  - As of June 30, 2022, 88% or $653 million has been spent
  - We continue to monitor the high inflationary environment in Argentina but do not expect any impact on the Company’s funding requirements to reach production
- **Construction continues to progress towards production**
  - Experienced senior members of Ganfeng Lithium’s commissioning and construction team at site to assist through to start-up
  - All major equipment and majority of bulk materials are on site
  - Infrastructure completed: access roads, platforms for the wells, warehouse buildings, gas pipeline, lime plant, 33 kV power line, 13.2 kV distribution line, SSL plant and water pipeline
  - Focus has shifted to prioritize production over completion of all purification circuits
  - SX plant is over 90% complete, KCl plant over 90% complete
- Solar evaporation ponds are in operation with significant brine in inventory; pond harvesting to service the evaporation ponds and to remove excess salt deposited at the bottom continued in Q2 2022
CAUCHARÍ-OLAROZ CONSTRUCTION SCHEDULE*

Construction activities continue to advance with a shift in focus to prioritize production over completion of all purification circuits.

- 25 ktpa Stage 1 increased to 40 ktpa
- Commedenced detailed engineering
- Expansion of camp
- Drilling campaign
- Early works construction
- LAC and Ganfeng enter a new 62.5/37.5 JV
- Started filling ponds
- Detailed engineering for the processing plant completed

2017

- 25 ktpa Stage 1 early-stage production (expected)

2018

- 51/49 JV Transaction announced
- Closing of 51/49 JV Transaction
- Stage 2 construction expected to commence

2019

- Stage 1 construction 100% complete (expected)

2020

- Stage 1 early-stage production (expected)

2021

- Stage 2 expansion planning commenced
- Capex revised to $741M

2022

- Stage 1 construction 100% complete (expected)

2023

- Stage 1 construction 100% complete (expected)

1. For additional details, refer to the Company’s news release of May 28, 2021.
2. Capex revised to reflect additional resources and manpower, engineering modifications and inflationary cost pressures. See the Company’s news release of March 16, 2022 for full details.
3. For additional details, refer to the Company’s Q2 2022 MD&A.

*Refer to the Caucharí-Olaroz Feasibility Study and MD&A for the period ended June 30, 2022, for additional details.
ARGENTINA GROWTH STRATEGY

LAC and Ganfeng Lithium have begun planning for a Cauchari-Olaroz Stage 2 expansion beyond initial 40,000 tpa LCE

**Organic Growth**

- Targeting Cauchari-Olaroz Stage 2 development parameters including:
  - Production capacity of at least 20,000 tpa lithium carbonate
  - Construction expected to commence following completion of Stage 1
  - Construction to involve infrastructure additions to support long-term expansions beyond Stage 2

**Regional Growth Opportunities**

- On January 25, 2022, LAC completed acquisition of Millennial Lithium and their 100%-owned advanced-stage Pastos Grandes project, ~100 km from Cauchari-Olaroz for total consideration of ~$400 million
  - In June 2022, a development plan and budget of approximately $30 million to advance Pastos Grandes towards a construction decision was approved
- Strategic investment of 17.4% in Arena Minerals (TSX-V: AN), an exploration-stage company focused on developing resources in Argentina; Arena’s primary exploration asset is adjacent to LAC’s Pastos Grandes project
  - Collaboration Agreement to share technical information, accelerate development, and explore opportunities for collaborating on the development of the Pastos Grandes basin
PASTOS GRANDES, ARGENTINA

A development plan and budget of ~$30 million to advance Pastos Grandes towards a construction decision was approved in June 2022

Location and size: Located in Argentina’s lithium triangle in Salta province, 231 km from Salta
- ~100 km from Cauchari-Olaroz, highly complementary project and represents regional growth
- Covers over 12,600 hectares at 3,800 m elevation

Infrastructure: Easily accessible infrastructure
- Accessible year round via paved highway and dirt roads from Salta and access to rail 50 km away
- Natural gas pipeline passes through 26 km to the northwest; good prospect for solar power generation
- 600 MW, 375 kilovolt power line between Salta and Chile passes by 53 km to the north

Investment: Over C$40 million invested by Millennial Lithium
- Exploration and development work by Millennial Lithium included 22 exploration/monitoring wells, 4 pumping test production wells, pilot ponds, a pilot plant as well as a year-round camp supported by a hybrid solar power system

Stage: Feasibility study completed and EIA permit received
- Millennial Lithium completed a feasibility study in 2019 based on forecasted 24,000 tpa battery-quality Li₂CO₃ production over 40 year mine life
- Environmental Impact Assessment-Exploitation for construction and operation permit were approved in mid-2020

Strong Community Relations: Actively engaging with local community
- Completed a community center and fresh water well to provide clean water in nearest community Santa Rosa de los Pastos Grandes, where on-site workers reside
- Active participant at the Community Coordination Table along with the state, community and other companies

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THACKER PASS, NEVADA

Enabling a US battery supply chain

- 100% owned by Lithium Americas with offtake rights uncommitted
- Appeal on the Record of Decision ("ROD") is moving forward, briefings scheduled to be complete August 11, 2022, with a final decision expected shortly thereafter
- All permits to commence construction received with key state environmental permits issued by the Nevada Division of Environmental Protection
- Early-works construction expected to commence in 2022; cultural assessment work was successfully completed in mid-July
- Feasibility Study results expected in H2 2022, targeting 40,000 tpa lithium carbonate capacity (Phase 1) and incorporating Phase 2 expansion scenario for total capacity of 80,000 tpa
- Capital and operating cost estimates are expected to increase (compared to PFS) to incorporate increased scale, additional processing and related infrastructure changes and the results of engineering and testing, incorporation of Phase 2, and to account for external factors such as inflationary pressures and supply chain considerations
- Lithium Technical Development Center to test ongoing optimization work and produce battery-quality lithium carbonate samples for potential customers and partners
- Environmental impact analysis underway to determine overall carbon footprint and water impact
- Discussions continue with strategic partners and customers
- Formal loan application to the US Department of Energy (DOE) submitted through the Advanced Technologies Vehicle Manufacturing Loan Program continues to progress
The Infrastructure Bill passed and signed into law by the Biden administration is meaningful support for building out EV infrastructure in the US.

- **FEB 2021**: Executive Order 14017 review of vulnerabilities in critical metals and mineral supply chain within 100 days
- **JAN 2021**: Executive order on tackling climate change
- **APR 2021**: Committed the US to reduce greenhouse gas emissions by 50-52%, from 2005 levels, by 2030
- **JUN 2021**: Released supply chain assessment: over-reliance on foreign sources and adversarial nations for critical minerals and materials poses national and economic security threats
- **DEC 2021**: Electrical Vehicle Charging Action Plan released, and approval of Thacker Pass was touted
- **APR 2022**: Committed the US to reduce greenhouse gas emissions by 50-52%, from 2005 levels, by 2030
- **FEB 2022**: Biden invoked the Defense Protection Act to accelerate development of domestic EV battery material supply chain
- **JUN 2022**: USGS released list of 50 mineral commodities including lithium, critical to the US economy and national security, following extensive multi-agency assessment
- **APR 2022**: US DOE announced $3.16B from Bipartisan Infrastructure Law to boost domestic battery manufacturing, processing and recycling to support EV market
- **AUG 2022**: The Inflation Reduction Act (IRA) was passed; a crucial step in enabling a North American battery industry, to support building a domestic EV supply chain
ENVIRONMENTAL RESPONSIBILITY AT THACKER PASS

Low Carbon and Emissions
- Sulfuric acid plant is expected to produce ~45 MW carbon-free electricity to power processing plant*
- Scope 1 and Scope 2 carbon emission intensity per tonne of lithium carbonate is expected to be competitive to South American-based brine operations and substantially lower than US and Australian-based spodumene operations*.1
- Best Available Control Technology (BACT) tail gas scrubber to reduce emissions to less than US EPA Prevention of Significant Deterioration (PSD) emission limits*

Low Water Consumption
- Closed loop zero liquid discharge system designed to recycle as much water as possible; estimated intensity of 75 m³ per tonne lithium carbonate produced, each drop of water is recycled and reused an average of 7.2x*
- Filtered dry stack tailings recovers as much water as possible to reuse in the process*
- Uses equivalent of 4-5 alfalfa pivots (2,850 acre-feet) of water per year for each project phase*
- Converting existing agricultural rights to project uses, with 22.5% reduction in water pumped from aquifer

Respecting Our Environment
- Operations located south of the Montana Mountains to avoid disturbing sensitive ecological areas
- Established the Great Basin Sagebrush Habitat Restoration Fund, the largest restoration research fund in the US with success in developing technologies that improve desert restoration

Environmental Studies and Evaluations

Water
- Hydrogeology Baseline Report
- Aquatic Resources Delineation Report
- Water Quantity Impacts Assessment
- Baseline Geochemistry Report

Wildlife
- Wildlife Impact Assessment
- Bird & Bat Survey
- Eagle Conservation Plan
- NV Sagebrush Ecosystem Technical Team Coordination

Air and Emissions
- Greenhouse Gas Emissions Report
- Air Emissions Inventory
- Air Dispersion Model
- Dust Management Plan

Land Use and Reclamation
- Soil and Growth Media Assessment
- Reclamation and Closure Plan
- Tailing Technical Stability Report
- Pit Wall Geotechnical Report
- Vegetation and Weed Report

* Based on current feasibility study planning work
1. Analysis prepared with a leading international environmental engineering consulting firm

Designed to be a low carbon, low water source of lithium
10 years of collecting environmental, land and cultural data
18,600 acres surveyed for baseline environmental surveys
Over $8 million spent on studies and modeling
EIA and Record of Decision approved
All key environmental state permits received for constructions start
LITHIUM TECHNICAL DEVELOPMENT CENTER

30,000 ft² integrated lithium process testing facility in Reno, Nevada producing battery-quality lithium carbonate from Thacker Pass sedimentary resources

- World-class integrated technology research center in collaboration with the University of Nevada, Reno, equipped with state-of-the-art analytical and wet chemical laboratories capable of analyzing ultra-pure lithium compounds

- Built to support continued development of current and future LAC lithium resources, ability to test other lithium resources (i.e. brine, spodumene)

- Facility commissioned and is replicating Thacker Pass’ flowsheet from raw ore to final product in an integrated process

- Producing battery-quality specification lithium carbonate samples for potential customers and partners

Inauguration event on July 20, 2022

(L to R): Brian Sandoval, University of Nevada, Reno President; Jon Evans, President & CEO; Steve Sisolak, Governor of Nevada; Littlestar Abel; Maria Anderson, the Company’s Community Relations Manager; members of the Tribe; and Lithium Americas’ staff.

The LiTDC is equipped with state-of-the-art analytical and wet chemical laboratories capable of analyzing ultra-pure lithium compounds

LITDC technician showcasing a filter press cake; Thacker Pass is being developed as a zero-liquid discharge process to maximize water recycling and reuse
THACKER PASS PROCESS FLOWSHEET

Since 2008, we have worked to minimize the expected environmental footprint of Thacker Pass, incorporating ESG best practices and going beyond what is required by regulatory standards.

Minimizing Environmental Impact:

- Planned block mining with active reclamation
- Filtered dry-stacked clay tailings, geotechnically stable
- Shallow open pit (<400 feet deep designed with a forecasted low strip ratio
- Mineralized soft clay, minimal blasting expected
- Mine plan optimized to target expanded production capacity within same mining footprint as permitted pit boundary
- Expected to consume less than 1% of the total water pumped from wells in Humboldt County
- Water recycling planned in a close-loop zero liquid discharge system; each drop of freshwater is reused over 7 times*
- State-of-the-art emissions control systems included in design
- ~45 MW of carbon-free power from the 3k tpd sulfuric acid plant as a primary planned power source*
- Scope 1 and Scope 2 carbon emission intensity per tonne of lithium carbonate is expected to be competitive to South American-based brine operations and substantially lower than US and Australian-based spodumene operations*

* Based on current feasibility study planning work
### THACKER PASS PLANNED DEVELOPMENT SCHEDULE

ROD received in January 2021 and permits to commence construction issued

**2017**
- Completed 2017 Exploration Program
- Process Testing Facility completed
- BLM NEPA Baseline Studies Complete
- Commenced engineering design towards construction
- Final Plan of Operation Deemed Completed by BLM
- Nevada Tax Abatements granted
- Final EIS released

**2018**
- Completed 2018 exploration program
- Process testing; initiated baseline surveys
- Updated resource estimate*
- Completed PFS

**2019**
- ROD issued
- Updated resource estimate**
- All key state environmental permits issued
- Submission of formal loan application to US DOE
- Lithium Technical Development Center (LiTDC) commissioning commenced

**2020**
- Early-works expected to begin in 2022

**2021**
- ROD received
- Updated resource estimate**

**2022**
- All key state environmental permits issued
- Submitted formal loan application to US DOE
- Lithium Technical Development Center (LiTDC) commissioning commenced

**2023**

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* For more information, please see National Instrument 43-101 Technical Report titled, "Technical Report on the Pre-Feasibility Study for the Thacker Pass Project, Humboldt County, Nevada, USA" dated effective August 1, 2018 and filed on SEDAR on August 2, 2018; on EDGAR on August 7, 2018 and **the Company’s news release of October 7, 2021."
### THACKER PASS – HIGHLIGHTS

**Stage:** One of the most advanced lithium projects currently known to be under development in the USA
- Over 10 years of development, over $100 million invested, Record of Decision issued and permits to commence construction issued

**Scale:** Bringing new meaningful lithium carbonate supply to market
- Targeting 40,000 tpa Li₂CO₃ capacity (Phase 1) and incorporating Phase 2 expansion scenario for total capacity of 80,000 tpa Li₂CO₃
- Direct employment of up to 1,000 jobs during construction

**Infrastructure:** Nearby infrastructure in place
- Adjacent to paved highway, access to transmission line, nearby rail (~100 km)

**Environmental Stewardship:** Going beyond the regulatory requirements
- Designed to be a low carbon, low water source of lithium

**Location:** Nevada is a mining friendly state with community, state and federal support
- Operations will be located south of the Montana Mountains to avoid disturbing sensitive ecological areas

**Community Engagement:** Actively engaging with local tribal and community members
- Participant in the Negotiating Work Group along with select members of the Thacker Pass Concerned Citizens Group to develop agreements and community buy-in
- Members of the Fort McDermitt Paiute and Shoshone Tribe participated in cultural mitigation work completed in mid-July 2022

Thacker Pass provides an opportunity to enable a US-based battery supply chain for the growing electric vehicle market
GT1 is a North American focused lithium exploration and development company with hard rock spodumene assets in north-west Ontario, Canada.

**Equity Investment**
- LAC acquired approximately 5% of GT1 in a share placement for total consideration of US$10 million.

**Collaboration Framework**
- LAC and GT1 entered a non-binding Collaboration Framework to advance evaluation of a strategically located, integrated lithium chemicals business in North America.
- Allows for evaluation of potential cooperative aspects in relation to all aspects of the lithium processing and production value chain, from processing of spodumene through to production of battery-grade lithium chemicals.
- Set to leverage and benefit from the considerable expertise within both businesses with respect to the production of both intermediate and final lithium products.
- Leverage LAC’s Lithium Technical Development Center in Reno to further test and develop intermediate and final lithium products.

In April 2022, LAC acquired shares of Green Technology Metals (ASX: GT1) and signed a Collaboration Framework.
FOCUSED ON EXECUTION

Bringing new supply of battery-quality lithium carbonate to market

1. Advancing Cauchari-Olaroz Stage 1 for 40,000 tpa towards production in 2022 with key areas of the processing plant preparing to commission shortly

2. Advancing Thacker Pass towards construction in 2022 with early works and site preparation expected to commence in H2 2022 for Phase 1 of 40,000 tpa

3. Enabling a US-based lithium supply chain with the development of Thacker Pass, the only US lithium project with a ROD and all permits to commence construction issued, and formal DOE ATVM loan program application submitted

4. Strong balance sheet to bring Cauchari-Olaroz into production, develop Thacker Pass and advance Pastos Grandes to a construction decision

5. Growth pipeline developed with expansion potential at Cauchari-Olaroz Stage 2 of at least 20,000 tpa, Thacker Pass Phase 2 of 40,000 tpa and the recently acquired Pastos Grandes project, and strategic investments in Arena Minerals and Green Technology Metals
Lithium Americas is focused on reaching production and maximizing shareholder value

Diverse industry experience
- Background in mining, finance and lithium
- Nine diverse members, of which six are independent and two are women

Pursuing a lower-risk approach to development
- Partnered with Ganfeng Lithium on Caucharí-Olaroz to leverage their technical expertise processing brine and producing battery-quality products

Closely aligned with shareholders
- Management and board of directors, including Ganfeng Lithium, hold ~17% of outstanding LAC common shares

GEORGE IRELAND, Board Chair
35 years of experience in the resource sectors
Founder, CIO, and PM at Geologic Resource Partners

FABIANA CHUBBS
Former CFO of Eldorado Gold, BA and BBA from University of Buenos Aires and CPA, CA

KELVIN DUSHNISKY
Over 25 years of global mining experience, former CEO of Anglo Gold Ashanti and President of Barrick Gold, MSc and Juris Doctor degree from UBC

JONATHAN EVANS
Over 20 years in management; former head of FMC Corp. Lithium Division, MSc in Business Management from Rensselaer Polytechnic Institute

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Over 25 years of business / finance experience
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Over 25 years of public company experience; current CFO and SVP at Lundin Mining
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FRANCO MIGNACCO
Previously Vice Chairman of LAC prior to Western Lithium merger, MBA from San Andres University and honours mining degree from Universidad Austral

XIAOSHEN WANG
Director, Vice Chairman and EVP of Ganfeng Lithium
MBA from China Europe International Business
Environmental, Social, Governance and Safety (ESG-S)


ESG-S Vision and Performance Highlights

To create shared value by being the safest, most environmentally responsible and inclusive lithium company.

- Be an inclusive employer and neighbor
- Build a culture of safety-based behavior and decision-making
- Respect the environment and minimize our impact to surrounding areas
- Hold ourselves against the highest level of governance standards

A Community Partner
An Employer of Choice
A Steward of the Environment
A Company to be Proud Of

52
Number of training sessions in construction and cultural monitoring organized by Lithium Americas and delivered to Members of the Fort McDermitt Paiute and Shoshone Tribe

0
Zero harm, zero fatalities and zero recordable work-related injuries

0
Zero liquid discharge facility with low-water consumption

ALL
Received all key state environmental permits from Nevada Division of Environmental Protection, including a Record of Decision

7.2
Number of times each drop of freshwater will be reused or recycled at Thacker Pass

$1.26m
Payments to government made through Canada’s Extractive Sector Transparency Measures Act

0
Zero human rights violations

IRMA
Pending member of Initiative for Responsible Mining Assurance (IRMA), working to pilot its new draft Responsible Mineral Exploration and Development Standard
FORWARD-LOOKING STATEMENTS AND DISCLAIMERS

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 “anticipates”, “plans”, “continues”, “estimates”, “expects”, “may”, “will”, “projects”, “predicts”, “proposes”, “potential”, “target”, “implement”, “scheduled”, “intends”, “could”, “might”, “should”, “believe” and similar words or expressions. FLI in this presentation includes, but is not limited to: management’s expectations regarding its business and plans for the development of its projects; successful development of the Cauchari-Olaronz, Thacker Pass and Pastos Grandes projects (collectively, the “Company’s Projects”), including anticipated timing, progress, construction, milestones, rates, grades, capacity, production type, product quality, partnerships and other expected benefits thereof; expected production and product quality; agreements with third parties, including off-take agreements; future expansion plans for the Cauchari-Olaronz and Thacker Pass projects, including anticipated scale, timing for construction, level of production and timing to achieve certain expansion milestones, including plans for infrastructure additions and expansion beyond Stage 2; expected benefits of strategic investments in Arena Minerals and Green Technology Metals, including their contribution to establishing a pipeline of growth opportunities for the Company, and the extent of collaboration initiatives; statements regarding expected synergies between Cauchari-Olaronz and Pastos Grandes, and plans for regional growth in Argentina; expected timing and extent of plans to advance the Pastos Grandes project to a construction decision; successful results from the lithium technical development center testing facility to support a feasibility study for the Thacker Pass project, and future plans for the center; timing to complete a feasibility study for the Thacker Pass project, results thereof and inclusion of a new phase 2, and to begin project early-works and the extent thereof; expectations regarding timing and decisions concerning litigation and regulatory proceedings concerning environmental permits, and to complete environmental and other studies for the Thacker Pass project; expected benefits of U.S. EV supply chain legislation for the Thacker Pass project, and the outcome of the Company’s loan application filed with the DOE; expected potential benefits of the Thacker Pass project, including the creation of a battery supply chain in the United States to support the electric vehicle market; the Company’s sustainability and business plans, goals, strategies and objectives, and the ability and timing to achieve them; statements regarding anticipated decision making with respect to any of the Company’s Projects; expectations regarding capital costs and the timing associated with bringing the Thacker Pass, Pastos Grandes and Cauchari-Olaronz online, and the risk that capital costs could increase or timing could change which may impact operational forecasts; expectations regarding operations at the Company’s Projects; plans relating to extraction methods at the Company’s Projects; anticipated effects of COVID-19 on the Company’s Projects under development generally, COVID-19 protocols at the Company’s Projects and their efficacy, and impacts on project timelines and budgets; the expected environmental benefits and impacts of project designs, including expectations regarding low carbon, carbon-free, low emissions and low water usage design, a minimized environmental footprint for the Thacker Pass project, projected outputs based on feasibility study planning work for the Thacker Pass project; ability to achieve such projections, and use of “state of the art technology” when used in this presentation characterizes the technology as of the date of selection of such alternative; expectations regarding continuing government, community and tribal support for the Company’s Projects; the Company’s ability to successfully fund, or remain fully funded for the development of any of its projects, and the means by which such funding will occur; plans regarding strategic alternatives to finance the Thacker Pass project including a potential separation or other form of restructuring transaction involving any of the Company’s projects and the expected benefits of any such transaction; the accuracy of estimates of mineral resources (including in relation to the expected benefits of project design and processes, and the extent and sufficiency of water rights for any of the Company’s Projects); whether mineral resources can ever be converted into mineral reserves; schedule and budget forecasts for construction of the Company’s Projects; forecasts for future lithium market demand and pricing, electric vehicle adoption and battery demand, and operating cost curves associated with the Company’s Projects; government regulation of mining operations; forward-looking financial information and pro forma capitalization; changes to the Company’s current and future business plans and the strategic alternatives available to the Company; stock market conditions generally; demand, supply and pricing for lithium; general economic and political conditions in Argentina and other jurisdictions where the Company conducts business; and treatment under government, currency control and taxation regimes.

FLI involves known and unknown risks, assumptions and other factors that may cause actual results or performance to differ materially. This 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: current technological trends; successfully operating under co-ownership structures and maintaining cordial business relationships with strategic partners, including Ganfeng Lithium, Arena Minerals and Green Technology Metals, and project partners; the Company’s ability to successfully close merger and acquisition transactions and integrate acquired companies, including Millennial; the Company’s ability to fund, advance and develop its projects, including results therefrom and timing thereof; uncertainties relating to receiving and maintaining mining, exploration, environmental and other permits or approvals in Nevada and Argentina, and the expected outcome of any challenges to or claims made or that could be made concerning the environmental permitting process in the United States for the Thacker Pass project; the ability to operate in a safe and effective manner; any unforeseen impacts of COVID-19; the impact of climate change on the Company’s projects and operations; the demand and supply for lithium; impact of increasing competition in the lithium business, including the Company’s competitive position in the industry; ability to attract and retain skilled talent in a competitive hiring environment; general economic conditions, including in relation to inflationary conditions, currency controls and interest rate fluctuations; the feasibility and costs of proposed project designs and plans; stability and support of legislative, regulatory and local communities and tribes in the jurisdictions where the Company operates; estimates of and changes to market prices for lithium and commodities; exploration, development and construction costs for each of the Company’s Projects; estimates of mineral resources and mineral reserves, including whether...
mineral resources will ever be developed into mineral reserves, and in relation to comparables; reliability of technical data; anticipated timing and results of exploration, development and construction activities; timely responses from governmental agencies responsible for reviewing and considering the Company’s permitting activities at its projects, and the timely resolution of any litigation concerning the Company’s projects; availability of technology, including low carbon energy sources and water rights, on acceptable terms to advance the Thacker Pass project; approval of pending patents; process and engineering optimization work currently underway and preparation of a feasibility study for the Thacker Pass project to make a construction decision for the Thacker Pass project including capital and operating cost estimation; ability to achieve commercial production at any of the Company’s Projects; and accuracy of budgets and construction estimates.

The Company’s actual results, programs and financial position could differ materially from those anticipated in such FLI as a result of numerous factors, risks and uncertainties, many of which are beyond Lithium Americas’ control. These include, but are not limited to: none of the projects may be developed as planned; uncertainty as to whether production will commence at any of the projects; cost-overruns; market prices affecting development of the projects; risks associated with co-ownership arrangements and other collaboration or partnership arrangements; the failure of parties to contracts with the Company to perform as agreed; integration risk for new acquired businesses; the availability and ability to secure adequate financing and on favorable terms; risks to the growth of the lithium markets; lithium prices; any limitations on operations imposed by governments in the jurisdictions where we operate; technology risk; social or labor unrest; risks relating to general economic conditions; inability to achieve and manage expected growth; changes in public perception concerning mining projects generally; political risk associated with foreign operations, including co-ownership arrangements with foreign domiciled partners; emerging and developing market risks; risks associated with not having production experience; operational risks; changes in government regulations, including currency controls; changes in environmental or regulatory requirements; failure to obtain or maintain necessary licenses, permits or approvals; whether the Company is able to successfully monetize any increase in off-take from any increased development plan; the expected benefits from future transactions and borrowings; the addition of further debt on the Company’s balance sheet; opposition to development of the Company’s mineral properties; the outcome of any litigation or regulatory proceedings concerning the Company’s mineral properties; insurance risk; receipt and security of mineral property titles and mineral tenure risk; changes in project parameters; uncertainties associated with estimating mineral resources and mineral reserves, including uncertainties regarding assumptions underlying such estimates; whether mineral resources will ever be converted into mineral reserves; geological, technical, drilling or processing problems; health and safety risks, including risks associated with COVID-19; climate change risks; unanticipated results; unanticipated delays; reduction in demand for lithium; inability to generate profitable operations; restrictive covenants in debt instruments; intellectual property risks; dependency on key personnel; workforce, supply and equipment availability; pandemic-induced inflationary pressures; currency and interest rate fluctuations; and volatility in general market and industry conditions. The foregoing list of risks, assumptions and uncertainties associated with FLI is not exhaustive.

Management has provided this information as of the date of this presentation in order to assist readers to better understand the expected results and impact of Lithium Americas’ operations. 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. Readers are further cautioned to review the full description of risks, uncertainties and management’s assumptions in Lithium Americas’ latest Annual Information Form and interim and annual Management’s Discussion and Analysis and the news releases cross-referenced in this presentation, all of which are available on SEDAR at www.sedar.com and on EDGAR at www.sec.gov.

Lithium Americas expressly disclaims any obligation to update FLI as a result of new information, future events or otherwise, except as and to the extent required by applicable securities laws. Forward-looking financial information also constitutes FLI within the context of applicable securities laws and as such, is subject to the same risks, uncertainties and assumptions as are set out in the cautionary note above.

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