

### EXPANDING THE BOUNDARIES OF THE LITHIUM SUPPLY CHAIN

CSE: PNRG • OTC: PAANF • FRA: SS60 2024 CORPORATE PRESENTATION



# **Investment Highlights**

North American assets located in top mining jurisdictions (Nevada & Ontario) based on the Investment Attractiveness Index

- Diversified asset base hard rock (LCT-Pegmatite) and claystone
- Projects are adjacent to industry peers with large lithium resources (disclosed in accordance with NI 43-101 or S-K 1300)
- Domestic sources of battery metals are a national priority (Defense Production Act, Mineral Security Partnership, Inflation Reduction Act, Critical Minerals Strategy, etc)

- Lithium discoveries made by leading geologists at both properties
- Horizon Mineral Resource Estimate totals over 1.3 million tonnes of indicated and 8.8 million tonnes of inferred lithium carbonate equivalent resources, making it one of the largest in the United States.
- Excellent infrastructure in place with access to services and functional logistics
- Project assays have yielded economically recoverable resources with off-take customer in near proximity

The information regarding adjacent properties is taken from public disclosure of the owner or operator of the adjacent property. The Company has not had a qualified person verify this information and this information is not necessarily indicative of the mineralization on the Company's property.



# PAN\*AMERICAN

# **Project Highlights**

### Horizon Lithium Project (Nevada)

- 839 claims (7,015 ha / ~17,334.44 acres) in the premier region for lithium deposition in North America
- Completed a 21 hole drill program (2023) with a total of 14,342.50 ft
- Mineral Resource Estimate totals over 1.3 million tonnes of indicated and 8.8 million tonnes of inferred lithium carbonate equivalent resources – One of the largest identified lithium deposits in the USA
- Encountered shallow overburden with long continuous lithium host claystone intercepts, testing as high as 2,040 ppm lithium
- Adjoins American Battery Technology's Tonopah Flats Project (NASDAQ: ABAT \$105.07M USD\*) - Total quantified resource of 21.15 million tons of lithium hydroxide monohydrate (LHM) and recipient of the DOE Bipartisan Infrastructure Law grant to develop a \$115 USD first-of-kind commercial-scale Lithium Hydroxide plant
- South of American Lithium's (CVE: LI, \$235.44M CAD\*) TLC project

### **Big Mack Lithium Project (Ontario)**

- Over 20+ pegmatites identified across the property with three priority Big Mack, Eleven Zone and Sprinkler/6059
- Completed detailed magnetic survey, LiDAR, surface sampling program, and Phase 1 & 2 drilling programs. Total meters drilled 8,282
- Big Mack Drill Program intersected 20+ meter intercepts and highgrade mineralization open at depth
- Fully Funded for ongoing core drilling, geophysics, and mineral resource estimation
- Adjacent to Avalon Advanced Materials Inc's (TSE: AVL. \$56.64M CAD\*) Big Whopper Project, recipient of C\$63M strategic investment by Sibelco, 10.08 Mt @ 1.35 Li2O Measured & Indicated Resource
- Mineral Resource Estimate (MRE) expected Q2 2024
- Petalite has been historically commercially approved by Corning

\*Market capitalization as of March 11, 2024

\*Top mining jurisdictions as per the Fraser Institute, https://www.fraserinstitute.org/studies/annual-survey-of-mining-companies-2021

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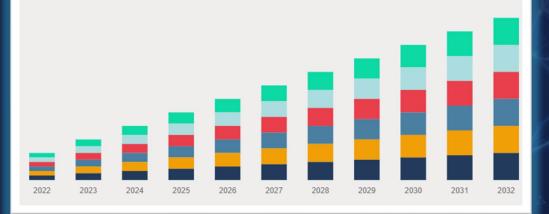
# The Market Market Growth



The global lithium market is projected to grow from USD 2.5 billion in 2023 to USD 6.4 billion in 2028 at a CAGR of 20.4% during the 2022-2028 period.

#### USA





\$2.2 Billion 2022 \$2.5 Billion

**Global Market** 

2023 \$6.4 Billion 2028

CAGR 20.4% 2022 to 2028

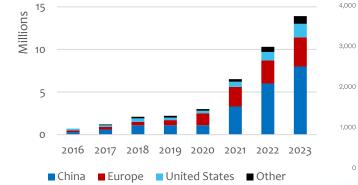
USA Source: https://www.custommarketinsights.com/press-releases/us-lithium-ion-batterymarket-size/ Global Market Source: https://www.marketsandmarkets.com/Market-Reports/lithium-metalmarket-48900800.html

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# The Market **Industry Drivers**

### More EVs on the Road

Rising consumer awareness, in addition to government incentives, is supporting the exponential rise in EV sales



Source: BloombergNEF. https://www.visualcapitalist.com/sp/visualizing-theglobal-demand-for-lithium/

### The lithium gap can be bridged in the second half of the decade

O— Demand, high case - Demand, base case

Unannounced suppl

Secondary supply

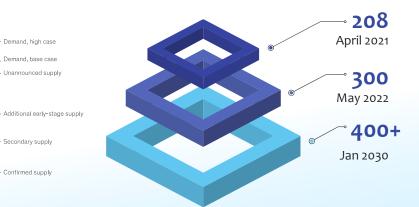
Confirmed supply

2030

Global lithium supply and demand, kilotons lithium carbonate equivalent



The 10-year gigafactory pipeline has grown 3 times since September 2019



EV Manufacturers Sold\*:

3,000,000 cars in 2020

			<b>~</b>		
13	,9	)0(	0,0	00	0
cars	s in 2	023			

\* Figures have been rounded

Source: https://www.mckinsey.com/industries/metals-and-mining/ourinsights/lithium-mining-how-new-production-technologies-could-fuelthe-global-ev-revolution

Mined production volume. Forecasted potential production accounts for historical utilization rates as a result of external disruptions and econom curtalments (7%) – modeled at 93% of available capacity. Production includes volumes which may not have been refined, including stockpiled

2025

2020

2015

McKinsey & Company

direct shipping ore and spodumene concentrate. Source: MineSpans; McKinsey lithium demand model

#### Source:

https://source.benchmarkminerals.com/article/over-400-gigafactories-in-2030-pipeline-but-overcapacityfears-loom

Source: https://www.iea.org/energy-system/transport/electricvehicles



# Horizon Lithium Project

# OVERVIEW



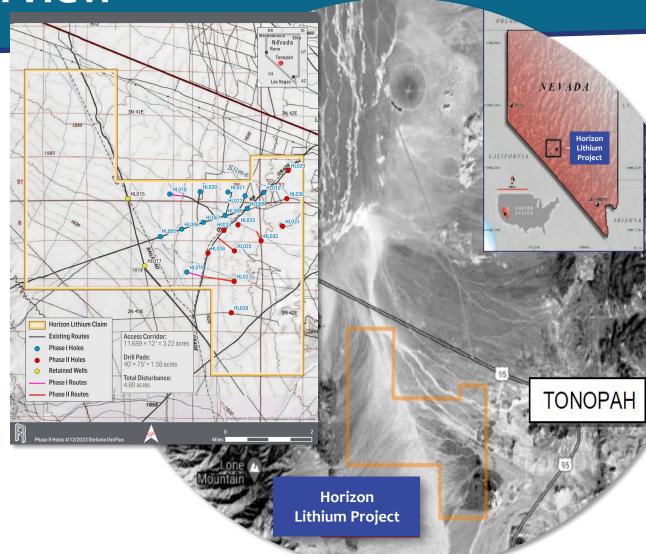


## **Horizon Lithium Project Overview**

### The Horizon Project is prospective for near-surface domestic American claystone lithium

- The Company **completed** a 21 drill program (14,432.50 ft), drilling to a max depth of 1,000 ft depth/hole
- Horizon consists of 839 claims (7,015ha) just 7.5 km from Tonopah, Nevada
- Nevada Bureau of Mines and Geology mapping shows a caldera 16 kilometers in diameter on the eastern portion of the project
- Adjacent to DOE Bipartisan Infrastructure Law grant award project, Tonopah Flats, for a first-of-kind \$115M USD Lithium Hydroxide claystone processing plant

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# Horizon Lithium Project 2023 Drill Program



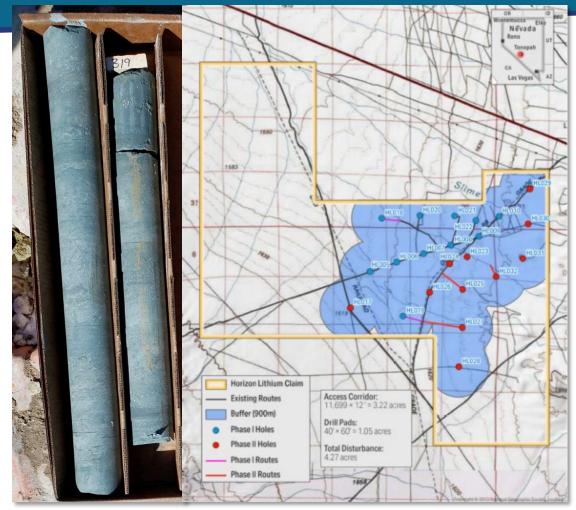
On April 25, 2023 Pan American announced the Company's lithium discovery - encountering lithium in all drill holes sampled to date

• Results from 20 drill holes intercepted significant lithium grades at multiple broad horizons within the Siebert Formation, testing as high as 2,040 ppm

• One of the largest lithium deposits identified in the United States of America.

Drilling program design

Holes Drilled = 21 (BLM, permitted for 22)
Minimum Spacing = 900 m
Overlap = 50 m
Maximum Depth = 1,000 ft
Total footage = 14,432.50 ft



DRILL CORE, HL022

# Phase One & Two Drilling Highlights

### Peak lithium grade of 2,040 ppm with broad zones of mineralization

• Lithium Concentrations: Using a 900 ppm cut-off weighted lithium grade, eight (8) drill holes ranged from 902 ppm to 1033 ppm with a total cumulative thickness of 2,426 feet (Table 1). The highest measured assay value was 2,040 ppm (HL008) at a depth of 394 ft. Sixteen (16) drill holes produced an average weighted lithium grade above 300 ppm with a total cumulative thickness of 7,390 ft (Table 2)

• **Shallow Overburden:** Anomalous lithium concentrations were measured at **shallow depth**, with as little as **15.5 ft** (HL030) overburden.

• **Depth of Mineralization:** Drill holes were advanced as far as **1,000 ft** of depth confirming lithium mineralization extends to a significant range. Also, the drill results show that **lithiumbearing claystone** at Horizon is extensive and **several meters thick**. The basal bedrock of the Siebert Formation was not encountered, allowing for further exploration at depth.

• **Deposit Significance: Exceptional drill results** have the potential to further expand on the resource magnitude in the Big Smoky Valley, Nevada.

• Future Plans: Geophysical, Passive Seismic and Phase 3 drilling

Table 1: Summary of Phase 1 & 2 Exploration Results (900 ppm Li Cut-off)					
Drillhole *HL9, HL10, HL19, HL22, HL23, HL25, HL27, HL29, HL30, HL31, and HL32 did not encounter lithium mineralization above the cut-off grade.	From (ft)	To (ft)	Drilled Siebert Thickness (ft)	Weighted Li Grade (ppm)	
HL005	461	491	30	963	
	531	810	279	909	
HL006	220	638	418	903	
HL007	213	258	45	902	
	283	408	125	929	
	485	505	20	937	
	510	520	10	929	
	535	610	75	937	
	665	695	30	929	
	720	730	10	941	
	755	895	140	920	
HLoo8	259	424	165	943	
HL020	108	413	305	908	
	443	598	155	902	
HL021	203	223	20	1033	
	239	283	20	963	
	313	383	70	906	
	473	508	35	906	
	543	583	40	945	
HL024	173	293	120	959	
	428	598	170	924	
	628	648	20	955	
HL026	225	260	35	962	
	379	468	89	929	

(a) 900 ppm Li cutoff grade applied; 10-ft minimum cut-off thickness applied.

(b) HL17 and HL18 encountered thick Quaternary Alluvium cover

Table 2: Summary of Phase 1 & 2 Exploration Results ( ppm Li Cut-off)				
Drillhole *HL027, HL030, and HL 031 did not encounter lithium mineralization above the cut-off grade of 300 ppm.	From (ft)	To (ft)	Drilled Siebert Thickness (ft)	Weighted Li Grade (ppm)
HL005	448	908	460	808
HL006	215	908	693	750
HL007	120	995	875	778
HLoo8	127	424	297	752
HL009	309 354 434	319 394 444	10 40 10	407 319 384
HL010	159	478	319	358
HL019	385	600	215	301
HL020	74	598	524	880
HL021	100	600	500	699
HL022	109	601	492	356
HL023	129	998	869	437
HL024	148	988	869	437
HL025	452	544	92	323
HL026	220	985	765	463
HL029	30 78 383	48 113 703	18 35 320	379 306 391
HL032	396	411	15	327

ppm = parts per million

(a) 300 ppm Li cut-off grade applied; 10-ft minimum cut-off thickness applied.(b) HL017 and HL018 encountered thick Quaternary Alluvium cover.

# Horizon Lithium Project Mineral Resource Estimate



The Horizon Lithium Project maiden Resource Estimate was Completed by RESPEC and Totals Over 1.3 million tonnes of Indicated and 8.8 million tonnes of Inferred Lithium Carbonate Equivalent Resources

- One of the largest identified lithium deposits in the U.S. with an estimated Indicated Mineral Resource of 1.3 million tonnes of Lithium Carbonate Equivalent ("LCE") and Inferred Mineral Resource of 8.8 million tonnes of LCE, with an average grade of 678 ppm lithium.
- **High-Grade Mineral Resources.** Estimates were calculated based on a conservative 300 ppm Li cut-off within an optimized pit.
- **Rapid advancement in a short timeframe.** The MRE is based on 20 diamond drill holes completed in 2023, within a year of the Company acquiring rights to the Project pursuant to the Property Option Agreement. One hole was abandoned due to hole conditions and was not used in the MRE.
- Significant expansion potential through step-out drilling to extend the deposit to the North West, South, East and West and at greater depths. The Company is actively evaluating geophysical exploration techniques and Phase 3 drill planning.

Table 1. Mineral Resource Estimate for the Horizon Lithium Project					
Classification	Cut-off (ppm Li)	Total KTonnes	Average Grade (ppm Li)	Li KTonnes	LCE KTonnes
Indicated	300	372,845	669	249	1,325
Inferred	300	2,453,963	680	1,668	8,879

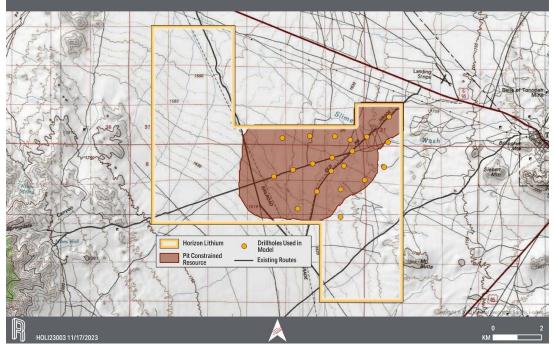


Figure 1 — The Project boundary, 20 exploratory drillholes used in the MRE, and the Mineral Resource body showing unexplored areas to the west, northwest, east and south.



# Horizon Lithium Project Adjacent Ventures

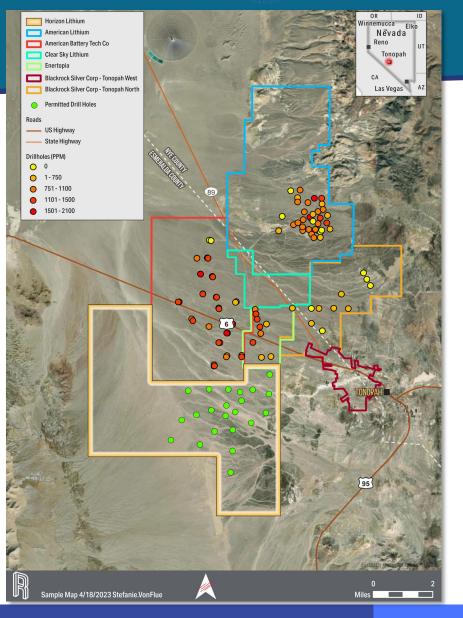
On January 18th, 2024, ABTC announced a research upgrade in the United States, with a total quantified resource of 21.15 million tonnes of lithium hydroxide monohydrate(LHM)<sup>1</sup>

• Pan American's preliminary drill results are especially significant because of lithium mineralization beginning near surface and extending to depth

• The project resides in one of the top lithium jurisdictions in North America

• Drilling indicates significant claystone hosted lithium endowment in the North Big Smoky Valley basin

• Pan American is aligned with RESPEC, a strategic consultant who supported ABTC's resource S-K1300 report



<sup>1 -</sup> ABTC News Release

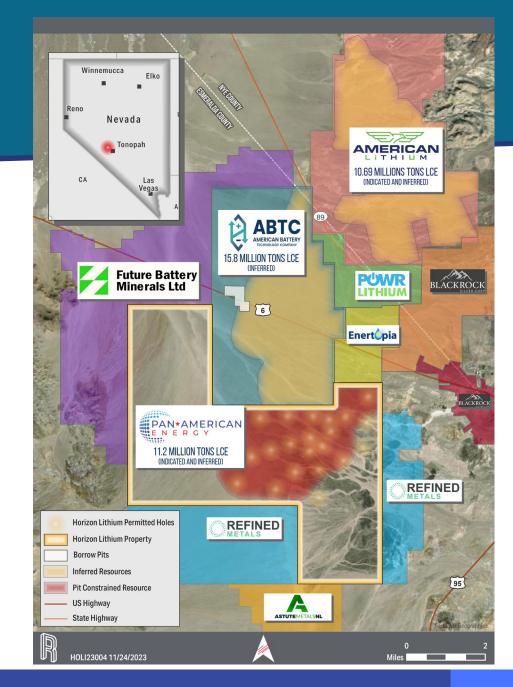
# Horizon Lithium Project Geology

Horizon's 7,015ha claim area adjoins American Battery Technology's ("ABTC") Tonopah Flats project.

Pan American Energy and surrounding companies show Li grades at depths that indicate the Seibert Formation to be the primary host for mineralization

- The Horizon Lithium Project, located in west-central Nevada, spans over 70 square kilometers, and the mineral resource estimation pertains to just 31.5% of the total area
- Regional peer analysis indicates lithium is weakly bound to the clays
- Drilling has proven limited overburden with continuous clay intercepts at depth
- The Company is targeting the Siebert Formation, which has been proven to host significant lithium grades at multiple horizons

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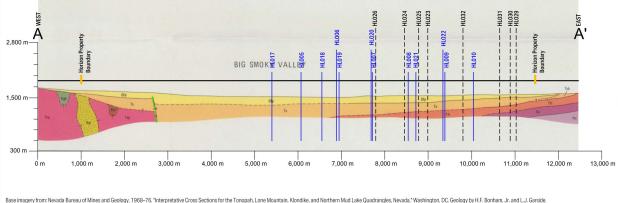




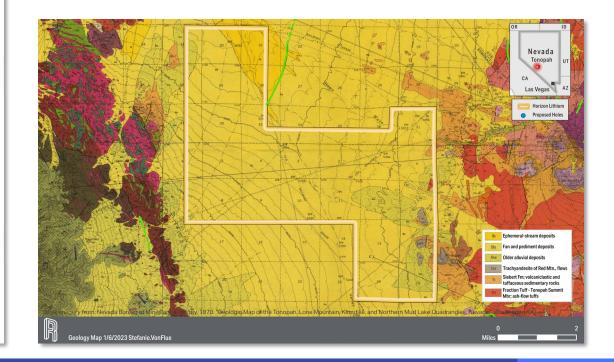
# Horizon Lithium Project Geology

An accompanying cross-section which bisects the Horizon claims illustrates the local stratigraphy, including the presence of Seibert Formation overlain by Quaternary sediments





A Nevada Bureau of Mines & Geology Bulletin documented Seibert Formation outcrops along basin margins, to either side of Horizon property as displayed in the 1979 geologic map



# Pan American Energy Partnership with the University of Nevada, Reno

## The metallurgical testing and mineral processing procedure project is divided into distinct phases:

- Phase 1: Sample Receipt and Preparation: Physical Properties Assessment including conducting particle size analysis, determining sample density and undertaking meticulous sample preparation protocols.
- Phase 2: Head Analyses including analyzing samples for lithium, boron, magnesium, calcium, sodium and a series of individual elements through the ICP method
- **Phase 3: Leach Extraction Testing** including sulfuric acid leach shake tests to determine the preliminary leaching characteristics of the sample at ambient temperature
- **Phase 4: Lithium Recovery From Solution** using experimental methods to remove impurities and increase lithium concentrations with the aim of producing lithium carbonate
- **Phase 5: Exploring Potential By-Products** investigating the possibility of extracting other elements if present in notable qualities
- **Phase 6: Proposed Flowsheet Development** proposing an initial flowsheet outlining material flow rates across different sections of this process, which is expected to undergo modifications based on ongoing testing and optimization.



# **Big Mack Lithium Project** OVERVIEW



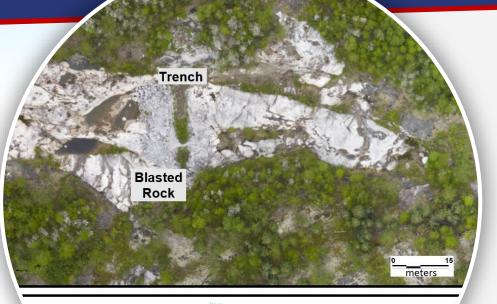


# **Big Mack Project Overview**

Targeting battery-grade lithium production for electric vehicle and energy storage

- Property contains rare-metal mineralization similar to world class Separation Rapids Lithium ("SRLD") (Ontario)
- Petalite concentrate created from a 5-tonne sample from the Big Mack Pegmatite was approved by Corning Laboratory Services of Corning, New York
- The project has an existing closure plan allowing for **accelerated exploration and development**
- Company is proceeding with hydrometallurgical testing to produce **battery-grade** lithium hydroxide monohydrate (LHM)

For further information regarding the exploration information contained herein regarding the Big Mack Property, including additional information regarding sample, analytical and testing results, please see the Company's technical report with respect to the Big Mack Property entitled Technical Report on the Big Mack property, Kenora Mining District Northwestern Ontario, Canada with an effective date of December 12, 2022 filed on the Company's SEDAR profile at www.sedar.com on December 14, 2022.



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Image of the Central Portion of the Big Mack Pegmatite Exposure

> Map Projection NAD83 UTM Zone 15 December 15 2021 Photo Courtesy of A. Canacho

# **Big Mack Lithium Project** Location

### Located in the Paterson Lake Area, Ontario Canada

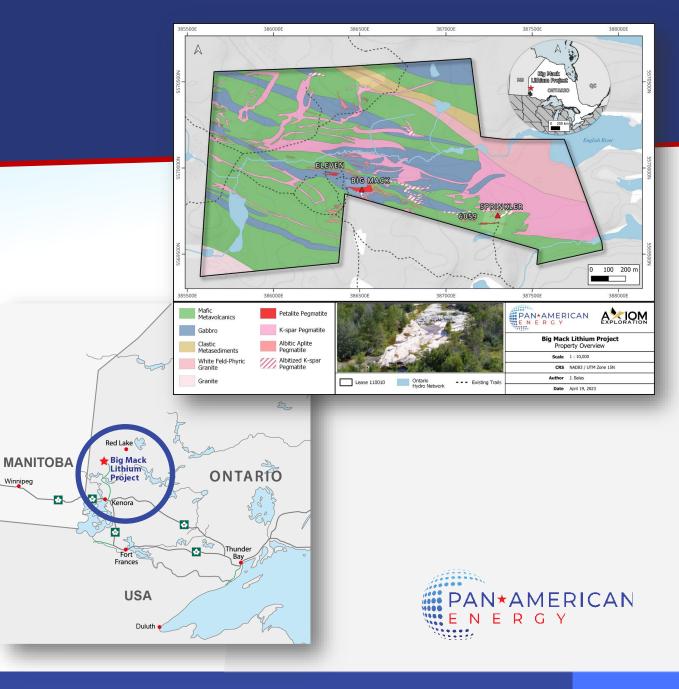
- ~80 km north of Kenora, ON
- Accessible by all-weather highway and logging roads
- ~50 km by road to Canadian National Railway (Redditt, ON)
- Adjacent to existing SRLD, Big Whopper Pegmatite deposit (~1.3 km):

Winnipeg

- Tonnage-Grade Estimates
- Measured: 4.28 Mt @ 1.33% Li2O
- Indicated: 5.80 Mt @ 1.36% Li2O
- Measured & Indicated Total: 10.08 Mt @ 1.35% Li2O
- Inferred: 2.81 Mt @ 1.38% Li2O

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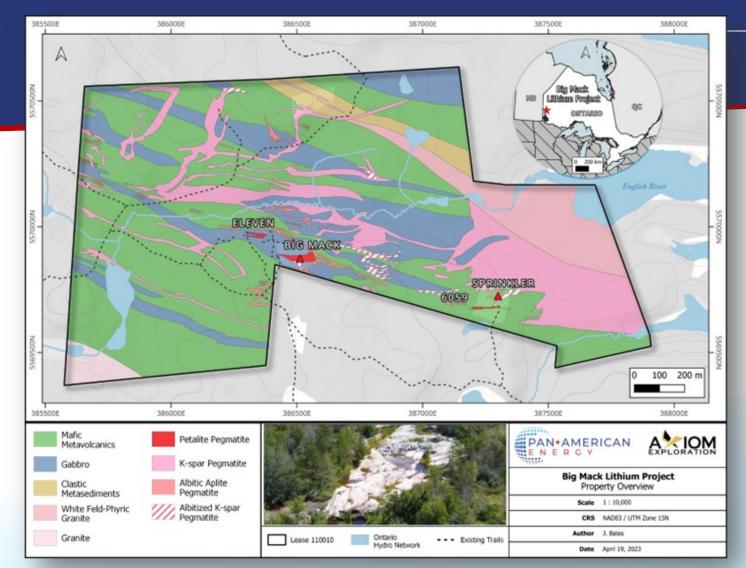


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### Big Mack, Eleven Zone, Sprinkler Zone, and 6059 | Pegmatites

- **Big Mack Pegmatite** is the largest petalite dike discovered on the property and with a surface exposed strike length of 180 metres and a maximum width of 36 metres, petalite bearing mineralization across the extent of the exposure **remains open at depth**
- Eleven Zone is the second largest petalite dike on the property and is exposed on surface for ~40 metres with high grade Li values throughout
- Two rare-metal zones lie 600 metres to the east-southeast of the Big Mack pegmatite:
  - 1) **Sprinkler Zone** pegmatite is exposed over a length of 17 metres and a surface width of 2 metres returning tantalum values from 10 to 159 ppm
  - 2) 6059 pegmatite has been exposed over a strike length of 30 metres and a width of 5 metres and exibits the highest grade lithium grab samples collected on the property

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### **Big Mack Lithium Project** Lithium Mineralization at Surface

Big Mack Pegmatite oxidized petalite

6059 Pegmatite with samples grading up to 3.21 % Li2O

Petalite bearing sample from trench area

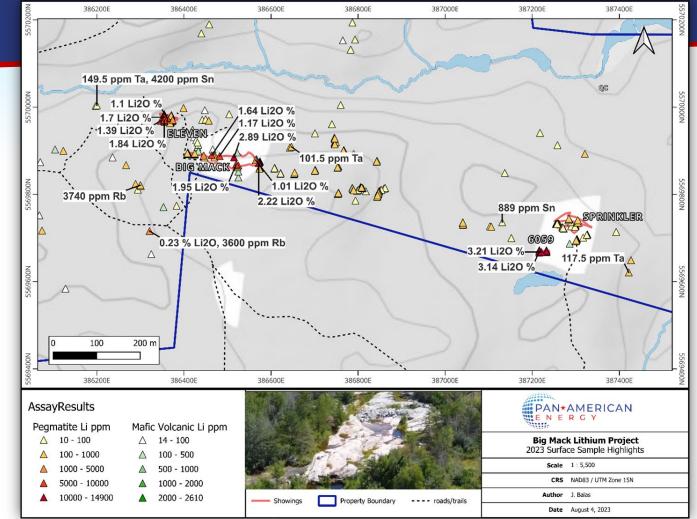
Big Mack Pegmatite, looking NW

### 2023 Summer Geochemical Surface Sampling Program

Samples graded up to 3.21 % Li2O, with 25 samples reporting lithium assays above 1.00% Li2O from the Eleven, Big Mack, and 6059 zones.

- A total of 342 grab/channel samples were collected with 98 collected shown to be anomalous in lithium
- 25 Samples graded above 1.00% Li2O Eleven, Big Mack, and 6059 zones have visible petalite at surface
- Assays appear to show a geochemical trend (>1 km) continuing along strike between the Big Mack and Sprinkler/6059 Pegmatites
- Channel sampling returned 1.06% Li2O over 19.30 m across the Eleven Zone, and 1.72% Li2O over 6.30 m at the 6059 Pegmatite
- Assays showed anomalous tantalum, tin, and rubidium, associated with the complex-type petalite bearing LCT pegmatites, including assays up to 150 ppm tantalum and 4200 ppm tin.

The scientific and technical information has been reviewed and approved by Lynde Guillaume, P.Geo. (Exploration Manager, Axiom), who is a "Qualified Person" as defined under National Instrument 43-101 – Standards of Disclosure for Mineral Projects. Ms. Guillaume is independent of the Company.



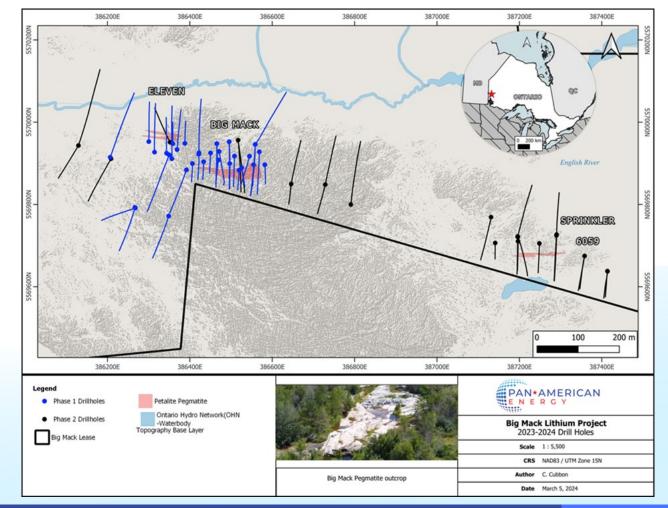
# 2023-2024 Big Mack Project Winter Drilling Campaign

#### Phase 1 and Phase 2 diamond drilling: 8322 metres over 60 drill holes

- Big Mack Pegmatite assayed up to 1.49 % Li<sub>2</sub>O over 32.34 metres core length
- Eleven Zone assayed up to 1.32 % Li<sub>2</sub>O over 22.20 metres core length
- Exploration drilling intersected additional pegmatites not exposed on surface
- Phase 2 drill results pending



The technical content has been reviewed and approved by Jared Suchan, Ph.D., P.Geo., who is an independent consultant of the Company, and a "Qualified Person" as defined by NI 43-101. Dr. Suchan verified the data disclosed (or underlying the information disclosed) by reviewing imported and sorted assay data; checking the performance of blank samples and certified reference materials; reviewing the variance in field duplicate results; and reviewing grade calculation formulas.



# **Big Mack Project Drilling Program**

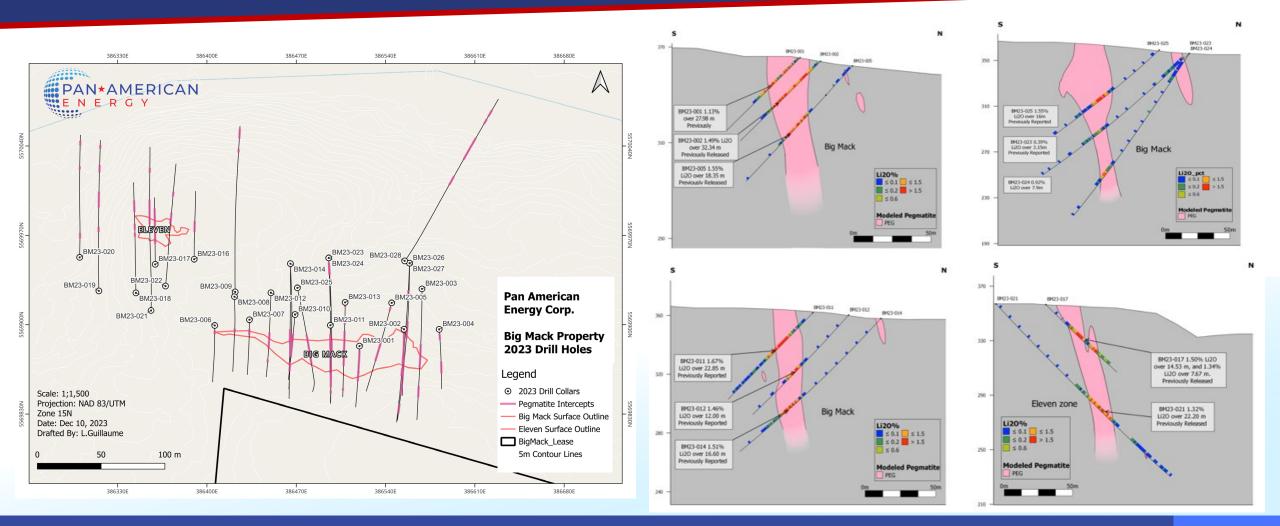
### Pan American Energy announced drill results from 2023 Phase One drilling, which included intersecting 32.34 m at 1.49 % Li2O

- Drilling intercepts encountered high grade lithium-bearing petalite across the extent of the Big Mack Pegmatite and Eleven Zone:
  - **1.49% Li<sub>2</sub>O over 32.34 meters core length** within the eastern flank of the Big Mack pegmatite (BM23-002)
  - 1.67% Li<sub>2</sub>O over 22.85 meters core length within the interior of the Big Mack pegmatite (BM23-011)
  - High grade Li intercepts encountered in eleven Big Mack drill holes
  - 1.32% Li<sub>2</sub>O over 22.2 meters core length encountered across the Eleven Zone (BM23-021).
  - 1.50% Li<sub>2</sub>O over 14.53 meters core length encountered across the Eleven Zone (BM23-017)
- Drilling results suggest **the Big Mack Pegmatite and Eleven Zone dykes continue and remains open at depth** (assays pending to evaluate mineralization).
- Drilling results encountered **new pegmatite intersections to the south and below the Big Mack pegmatite at depth** (assays pending to evaluate mineralization).
- Phase Two exploration drill holes are pending release

The technical content has been reviewed and approved by Jared Suchan, Ph.D., P.Geo., who is an independent consultant of the Company, and a "Qualified Person" as defined by NI 43-101. Dr. Suchan verified the data disclosed (or underlying the information disclosed) by reviewing imported and sorted assay data; checking the performance of blank samples and certified reference materials; reviewing the variance in field duplicate results; and reviewing grade calculation formulas. Table 1: 2023 Big Mack Drill Hole Assay Highlights Table. \*not true width

Pegmatite	Hole ID	From (m)	To (m)	Core Length (m)*	Li <sub>2</sub> O (wt %)
Big Mack	BM23-001	6.5	34.48	27.98	1.13
Big Mack	BM23-002	9.26	41.6	32.34	1.49
Big Mack	BM23-003	81	84	3	0.76
Big Mack	BM23-005	44.15	62.5	18.35	1.55
Big Mack	BM23-010	24	46.6	22.6	1.23
Big Mack	BM23-011	22.6	45.45	22.85	1.67
Big Mack	BM23-012	49	61	12	1.47
Big Mack	BM23-013	42	58.3	16.3	1.04
Big Mack	BM23-014	80	96.6	16.6	1.48
Eleven	BM23-015	98.3	109	10.7	1.14
Eleven	BM23-016	30.9	39.6	8.7	0.94
Eleven	BM23-017	23.87	38.4	14.53	1.5
Eleven	BM23-018	71.07	76.37	5.3	1
Eleven	and	90.5	99	8.5	0.96
Eleven	BM23-019	66.6	67.6	1	2.13
Eleven	and	95	98	3	1.24
Eleven	BM23-020	22.48	26.4	3.92	0.65
Eleven	BM23-021	97.6	119.8	22.2	1.32
Eleven	BM23-022	76	81	5	1.32
Big Mack	BM23-023	96.25	99.4	3.15	0.39
Big Mack	BM23-024	121.5	129.4	7.9	0.99
Big Mack	BM23-025	55.5	71.5	16	1.55
Big Mack	BM23-026	93.1	102	8.9	1.16
<b>Big Mack</b>	BM23-027	147.4	153.3	5.9	0.76

# Phase 1 Drilling Program Results Big Mack and Eleven Zone



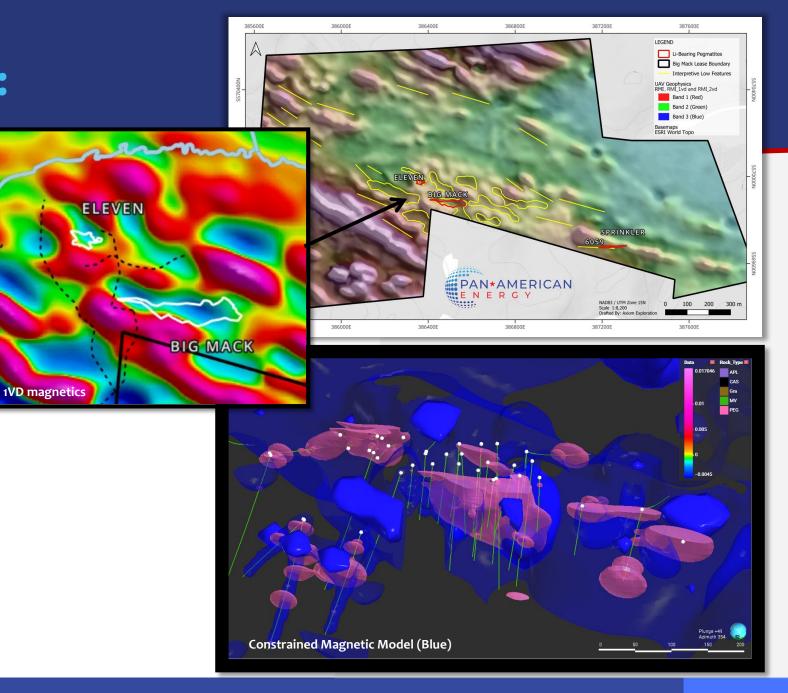
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# Geophysical Program: Magnetic Survey

The UAV-Borne Magnetic survey was completed by EarthEx Geophysical Solutions Inc. and was successful in identifying multiple prospective features exhibiting low magnetic responses which have been interpreted to have the potential to host lithium-bearing pegmatites

- Collaborative Separation Rapids project between Pan American Energy Corp, Avalon Advanced Materials, EarthEx Geophysical Solutions Inc., and the University of Manitoba's Earth Sciences department
- Identified multiple prospective features exhibiting low magnetic responses interpreted to have the potential to host lithium-bearing pegmatites
- The Company is using the findings of phase 1 and 2 drilling to improve the target model for future exploration

Daniel Card, President of EarthEx. "The correlation between historic drilling and the 3D modelled magnetic low directly below Big Mack, as well as the 2D representation of the mineralization's surface expression, are among the best EarthEx has seen to date."

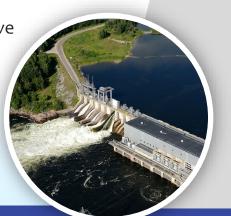


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# Big Mack Lithium Project Work Plan

- The Fully Funded Mineral Resource Estimate (MRE) is expected in Q2 2024
- Samples are being sent to the University of Nevada, Reno for metallurgical testing
- Hydrometallurgical bench-testing planned to produce battery-grade LHM
- Additional geophysical surveying to further refine exploration model
- Follow-up field sampling for prospective drill targeting

For further information regarding the exploration information contained herein regarding the Big Mack Property, including additional information regarding sample, analytical and testing results, please see the Company's technical report with respect to the Big Mack Property entitled Technical Report on the Big Mack property, Kenora Mining District Northwestern Ontario, Canada with an effective date of December 12, 2022 filed on the Company's SEDAR profile at www.sedar.com on December 14, 2022.



# First Nations Engagement





- Property lies within the traditional land use area of the Wabaseemoong Independent First Nations of Whitedog, Ontario
- Previous holders have had discussions with Wabaseemooong Independent Nations regarding exploration activities on the property
- The Company is committed to collaborating and working with the First Nation community

### Infrastructure

- Hydroelectric power generating station is located at Whitedog Falls, on the Winnipeg River (68 MW capacity)
- The transmission line comes within ~30 km of the Property
- Opportunity to produce 'green lithium'

# **Sustainability**

We're working towards a clean energy future for the planet





Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all



Affordable & Clean Energy Ensure availability and sustainable management of water and sanitation for all

Ensure access to affordable, reliable, sustainable and modern energy for all

Decent Work & Pror Economic Growth inclue econ proc and

Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all



Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation



Ensure sustainable consumption and production patterns

Climate Action	

Take urgent action to combat climate change and its impacts



Protect, restore and promote sustainable use of terrestrial ecosystems sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss

### **Management Team**

#### Jason Latkowcer CHIEF EXECUTIVE OFFICER & DIRECTOR

Jason Latkowcer is a commercial leader with over 10 years of experience in chemical and technology business development. He has worked directly with energy, mining, industrial, water treatment and chemical manufacturing businesses across North and South America. While working with Univar Solutions, he managed a portfolio over \$50 million per year in sales. Mr. Latkowcer has been actively consulting in the capital markets as a Director of Corporate Development focusing on mining and renewable energy opportunities globally. In addition to Pan American, Jason is supporting Vortex Energy Corp as Vice President of Corporate Development. He is a Quantic School of Business and Technology EMBA graduate (2023) and graduated from the University of Ottawa in 2011.

#### Paul More Chief Financial Officer

Paul More, CPA, CA is a finance and accounting professional with over 10 years of combined experience in both public and private sectors. Prior to joining the Company, Mr. More provided CFO consulting and accounting services to clients in the health, pharmaceutical, technology, mining and real estate sectors. Mr. More Chartered obtained his Professional Accountant designation in 2011 and holds a Bachelor of Commerce with a double major in Accounting and Finance from the University of British Columbia. Northern

### Sean Kingsley DIRECTOR

Kingsley is a mining investor. Sean communicator, educator and entrepreneur. He has 16 years experience specializing in corporate development, corporate strategy, strategic marketing, investor relations and corporate communications, advising and raising capital globally. He has a firm understanding of the financial markets and broad experience in utilizing diverse methods for public communications and raising capital. His education includes completing the Mining Company Disclosure 101 program hosted by the TSX-V and IIROC, Mining Essentials program at the British Columbia Institute of Technology and the Public Companies' Financing, also Governance and Compliance Course at Simon Fraser University. Mr. Kingsley is currently CEO of Gold Hunter Resources Inc., director of Corporate Communications for Enduro Metals and is President & CEO of his own consulting firm, Mango Research and Management Inc., Strategic Advisor to Stuhini Exploration Ltd. and director of Pan American Energy Corp., Alpha Copper Corp, Legacy Lithium Corp., and Vulcan Resources Corp.. He served as Chair of the Association for Mineral Exploration BC's Communications and Marketing committee from 2014-2018 and remains a committee member. He has sat on the Executive and Advisory Council for the Centre of Training Excellence in Mining since 2016.

### William Gibbs DIRECTOR

With nearly two decades of distinguished experience in commodity and specialty chemical distribution, William Gibbs is a visionary executive strategist. His 13year tenure at Univar Solutions saw him expertly managing strategic energy accounts on both domestic and international fronts. For the past five years, Mr. Gibbs has held helm at Griffina the Abner Consulting LLC, a premier consultancy celebrated for its precision-driven roadmaps and highimpact execution, delivering remarkable value to stakeholders. Currently, Mr. Gibbs spearheads groundbreaking initiatives in sustainable technology. His focus revolves around devising and actualizing eco-friendly chemical alternatives, set to transform the energy, water treatment, and mining sectors. A 2005 graduate of the University of Calgary, he earned a BSc in Chemistry/Mathematics. William Gibbs embodies transformative leadership, reshaping industries and forging a greener, more promising future.



### Nicky Grant DIRECTOR

Nicky Grant brings with over 18 years of experience in investment banking. Nicky started her career in the US Institutional Desk at Goldman Sachs before moving to the Special Execution Group in Corporate Finance, where she specialized in debt capital markets. She then worked for UBS as part of their Transaction Management Team and focused on global capital markets, with a particular focus in Emerging Markets. She then re-joined Goldman Sachs as a Vice President and joined their Equity Capital Markets team covering UK companies. Nicky became Head of Corporate Advisory for Ocean Wall Limited., a market-leading investment house specializing in all aspects of niche alternative investing and advisory. Ms. Grant also holds roles as UK/European IR and Corporate Advisor to TSX-V and CSE listed companies in the critical minerals space, as well as a role as the sole UK/European Advisor to a NYSElisted medical company.

# **Advisory Board**

### **Paul Gorman**

Paul Gorman is a resource based corporate specialist with over 25 years of experience in junior mining finance, taking companies public, assessing asset viability and operating growth-emerging public companies. For the last 18 years, Paul has been the President and Managing Partner of Riverbank Capital Inc., a Merchant Bank working with small-cap companies to assist them in financing, property development and initiating welldefined marketing programs. Paul's responsibilities have also included raising capital totaling in excess of \$85 million as well as promoting the companies to the investment community and writing strategic plans for business growth. Mr. Gorman was instrumental in revitalizing the junior graphite space in North America in 2008 by funding Industrial Minerals Inc, which became Northern Graphite (TSX V : NGC) and assisting four other graphite companies in an advisory role. Paul founded Mega Graphite Inc. in 2009 and has has served as CEO for three other companies.

### **Brad Nichol**

Mr. Nichol is the CEO of Alpha Lithium (TSX: ALLI). He is an international entrepreneur who has served and advised corporations on strategy and finance for over 25 years. Throughout his career he has served as both senior executive and director of a number of public and private enterprises across the finance and resource sectors. He has led successive organizations through multiple rounds of private and public project financings, initiated and executed dual listings, established key international and domestic financial relations, oversaw M&A, technical, operational, HR, investor relations, legal and regulatory functions as well as closing several accretive asset acquisitions and financings in multiple jurisdictions. Previously, Mr. Nichol worked at Schlumberger, the world's largest oil and gas services firm in various technical, managerial, marketing and sales roles in North America, South America and Europe. Mr. Nichol left Schlumberger to pursue his MBA at one of the world's top ranked business schools, the London Business School in the UK and graduated with honors in 2003. Mr. Nichol also holds a BSc. in Mechanical Engineering from the University of Alberta and has been a registered Professional Engineer since 1994.

### Dr. Jared Suchan, Ph.D., P.Geo.

Dr. Suchan is a professional geoscientist with nearly 10 years of experience in the exploration and development of mining projects in Canada. He received his Ph.D. in Environmental Systems Engineering in 2023 and his Honours B.Sc. in Geography and B.Sc. in Geology in 2016 from the University of Regina. His expertise is in the development and execution of early-stage mineral exploration programs in the remote regions of Canada. His previous experience includes coal mining operations and uranium exploration in Saskatchewan, rare earth element and diamond exploration in the Northwest Territories, and gold exploration in the Yukon. Dr. Suchan currently serves as the V.P. Exploration for Carmelo Capital Corp., as the Chief Operating Officer for the rare earth element exploration company Northern Critical Minerals Corp., and as a Managing Partner with the mineral exploration project generator company Voyageur Exploration Ltd.

### Foster Wilson

Mr. Wilson is a geologist with over 30 years of experience. Mr. Wilson has significant experience in the generation and development of lithium clavstone and brine exploration projects. Previously, he held Corporate Development and Exploration Manager roles for Placer Dome, Echo Bay, and American Bonanza Gold as well as President of Mesa Exploration and co-founder of Nevada Copper (TSX:NCU). Mr. Wilson serves as a director of TSX Exchange listed Venture Lithium Alpha Corp. (TSX.V:ALLI) and Atomic Minerals Corp. (TSX.V:ATOM).



**Emilio Bunel** 

Mr. Bunel received his M.S. in Chemical Engineering in 1980 from the University of Chile and his Ph.D. in chemistry from the California Institute of Technology in 1988. He began his professional career at DuPont Central Research where he spent 12 years working on catalysis. From 2001 to 2008 he worked in the pharmaceutical industry. After spending twenty years in industry, Mr. Bunel was named director of the Chemical Sciences and Engineering Division at U.S. Department of Energy's Argonne National Laboratory in October 2008, where he was responsible for directing a science-based research, development, and early-stage engineering organization. In November 2017, he was named VP of Innovation at Sociedad Química y Minera ("SQM"), one of the largest lithium producers in the world. After serving with SQM, he joined the Catholic University of Chile as a professor with a joint appointment between the School of Chemistry and Pharmacy and the School of Engineering. His research interests are in the areas of new materials for energy storage and sustainable technologies to produce lithium raw materials.

# **Capitalization Table**



Total Issued and Outstanding	59,594,782
Options & RSR's	8,025,006
Warrants	20,362,122
Total Fully diluted I/O	87,981,910
October 25, 2023	



# Legal Disclaimer

This material includes "forward-looking" statements or information within the meaning of Canadian securities legislation and the United States Private Securities Litigation Reform Act of 1995. Forward-looking statements relate to future events or the anticipated performance of Pan American Energy Corp. ("the Company" or "Pan American ") and reflect management's expectations, objectives or beliefs regarding such future events and anticipated performance. In certain cases, forward-looking statements can be identified by the use of words such as "further" "suggests", "further evidence", "potentially", "possibly", "indicates" or variations of such words and phrases or statements that certain actions, events or results "may", "could", "would", "might", or "will be taken", "occur" or "be achieved", or the negative of these words or comparable terminology. Forward looking statements rely on a number of assumptions which management believes to be reasonable, including assumptions regarding the Company's ability to obtaining necessary financing, personnel, equipment and permits to complete its proposed exploration plans, and to identify additional battery metals properties for exploration.

By their very nature forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual performance of the Company to be materially different from any anticipated performance expressed or implied by the forward-looking statements. Such factors include various risks related to the Company's operations, including, without limitation, fluctuations in spot and forward markets for lithium and other metals, fluctuations in currency markets, changes in national and local governments in Utah and generally, the speculative nature of mineral exploration and development, risks associated with obtaining necessary operating and environmental permits, the presence of laws and changes in regulations that may impose restrictions on mining, limitations in respect of management time and resources, lack of personnel and equipment necessary to carry out the Company's proposed exploration and development and other delays (including in obtaining financing) which could result in the Company missing expected timelines, and the fact that the Company may not be able to identify additional mineral properties for acquisition or option on acceptable terms.

Although the Company has attempted to identify important factors that could cause actual performance to differ materially from that described in forward-looking statements, there may be other factors that cause its performance not to be as anticipated. The Company neither intends nor assumes any obligation to update these forward-looking statements or information to reflect changes in assumptions or circumstances other than as required by applicable law. There can be no assurance that forward-looking statements will prove to be accurate,

as actual results and future events could differ materially from those currently anticipated. The information contained in this document is drawn from sources believed to be reliable, but the accuracy and completeness of the information is not guaranteed, nor does the Company assume any liability. The Company disclaims all responsibility and accepts no liability (including negligence) for the consequences for any person acting, or refraining from acting, on such information.

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The scientific and technical information contained on this Corporate Presentation relating to the Big Mack Project has been reviewed and approved by Craig Ravnaas, P. Geo, a "Qualified Person" as defined by National Instrument 43-101.

The scientific and technical information contained on this Corporate Presentation relating to the Horizon Lithium Project has been reviewed and approved by Tabetha Stirrett, P. Geo, a "Qualified Person" as defined by National Instrument 43-101.

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The information regarding adjacent properties is taken from public disclosure of the owner or operator of the adjacent property. The Company has not had a qualified person verify this information and this information is not necessarily indicative of the mineralization on the Company's property.

# PAN\*AMERICAN ENERGY

### **THANK YOU**

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**CSE:** PNRG **OTC:** PAANF **FRA:** SS60 2024 CORPORATE PRESENTATION