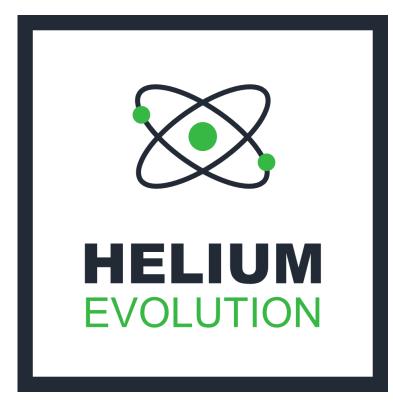
# **Developing Canada's Helium Resources**



TSXV: HEVI

# **Corporate Presentation**

October 2023

### **Reader Notice**



#### **Forward-looking Statements**

Certain statements contained in this corporate presentation may constitute forward-looking information and statements, including "future-oriented financial information" and "financial outlook", under applicable securities laws. All statements in this corporate presentation, other than statements of historical fact that address events or developments concerning Helium Evolution Incorporated (hereinafter referred to as the "Company" and "HEVI") that the Company expects to occur are "forward-looking information and statements". Forward-looking information and statements are often, but not always, identified by the use of words such as "anticipate", "execute", "expect", "future", "will", "project", "present", "propose", "potential", "target", "trajectory", "begin", "complete", and "finalize", and similar expressions and variations (including negative variations). The forward-looking statements and information are based on certain key expectations and assumptions made by the Company.

In particular, but without limiting the foregoing, this corporate presentation may contain forward-looking information and statements pertaining to the following: the use of proceeds from the offering, the Company's and North American Helium Inc.'s ("NAH") future drilling targets (the "Targets"), the Company's business prospects or opportunities, including information concerning potential technologies, products, services and strategies the Company is pursuing; market trends and size of market projections with respect to commodity supply and demand; obtaining all of the required governmental, regulatory, and board approvals and any other additional approvals in connection with the Targets and the proposed business and financing strategy; chance of success for future drills; number of new drilling Targets; the Company's drilling plans and timing and success thereof; NAH's exploration, drilling and completion plans, including the timing and success thereof; ability of the Company to generate cash flow; NAH's and or the Company's drilling of development wells; future helium pricing; the performance of the Company's business and operations to grow the business and operations of the Company; the financial success of the Company's commercial arrangements; future liquidity and financial capacity; expectations regarding the Company's ability to raise capital; and projected costs associated with the planned business activities.

The forward-looking statements and information are based on certain key expectations and assumptions concerning the Company's ability to (i) complete future capital raising activities and (ii) to execute on the Company and NAH's capital and drilling programs. Although the Company believes that the expectations and assumptions on which such forward-looking statements and information are based to be reasonable, readers are cautioned not to place undue reliance on forward-looking statements, as there can be no assurance that the plans, intentions or expectations upon which they are based will occur. Since forward-looking statements and information address future events and conditions, by their very nature they involve inherent risks and uncertainties.

Actual results could differ materially from those currently anticipated due to a number of factors and risks. Such factors may include the Company not being able to complete its capital raising activities, the Company and/or NAH not being able to obtain required regulatory and/or governmental approvals for any desired operational activities, operating and capital costs, royalty rates, changes in regulatory policy and compliance requirements, changes in industry conditions, changes in economic conditions in and around target market areas, market and consumer demand for helium, labour and/or equipment shortages, delays or changes in plans with respect to planned capital expenditures, fluctuations in input prices, fluctuations in relationships with potential partners, ability to secure relationships with certain targeted parties, changes in strategy and offerings of competitors, number of competitors in the Company's target markets, fluctuations in business development and supply chain, fluctuations in market prices for helium, fluctuations in foreign currency exchange rates, fluctuations in interest rates, reliance on industry and/or retail partners and other factors that may be beyond the Company's control. Should one or more of the above noted risks or uncertainties materially differ, actual results, performance or achievements of the Company or industry results, may vary materially from those described in this corporate presentation. Readers are cautioned that the foregoing list of factors is not exhaustive. All of the forward-looking information and statements contained in this corporate presentation are qualified by these cautionary statements. The reader of this corporate presentation may not be appropriate for other purposes. The Company expressly disclaims any intention or obligation to update or revise any forward-looking information and statements, whether as a result of new information, events or otherwise, except in accordance with applicable securities laws. The content of this corporate presentation

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### **About Helium Evolution (TSXV:HEVI)**



A Canadian helium exploration & production company focused on developing assets in southern Saskatchewan, holding ~5.6 million acres of helium land rights: largest position among publicly-traded companies in North America



#### **World Class Land Position**

- Largest publicly traded helium land rights holder
- ~5.6 MM acres permitted
- >185 potential helium anomalies identified



# Robust Prospect Portfolio & Near Term Catalysts

- Numerous targets identified
- Building ~2,000 km seismic data base
- Nine targets tested; five cased and four drilled & abandoned
- North American Helium (NAH) will drill an additional well by Nov 1/23
- Completion and testing of joint well in Q4/23



## Strategic Investor Supports Business Model

- Land base adjacent to significant discoveries by NAH at Mankota & Cadillac
- NAH most active helium driller in SK, drilling up to 30 new wells per year;
   50+ wells drilled in total
- NAH farm-in and \$3.5MM strategic equity investment with NAH closed June 30, 2022
- NAH farm-in on HEVI for seven wells commitment



# **Supportive Regulatory & Operating Jurisdiction**

- SK government showing significant support for helium production
- SK government's Helium
   Action Plan aims to secure 10%
   of global helium market share
   by 2030
- Attractive SK royalty structure

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### **Growth Trajectory**



Helium Evolution is executing on a strategically defined path to value creation.



NEAR TERM . CATALYSTS '

**Exploration farmout well** to be drilled by NAH on or before Nov 1/23

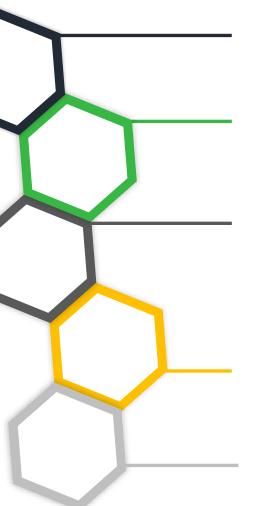
Completion and testing of joint well to be undertaken by NAH in Q4/23

~2,000 km of 2D seismic data purchased and shot to date, expected to generate 10-12 new targets in 2023/2024

# **Unique Competitive Advantage:**



# NAH Farm-in & Strategic Investment Affords HEVI Positive Working Capital



- Seven well <u>farm-in agreement</u> with NAH
   (Jun/22 and <u>amended</u> Oct/22), including
   receipt of ~200km of 2D seismic shot over
   HEVI lands
- \$3.5MM equity investment by NAH into HEVI in June 2022. NAH holds ~9% of HEVI's outstanding shares (undiluted)
- \*\$8.8 million in working capital (Jun/23)
   enables HEVI to potentially bring production
   on-stream without a dilutive equity financing



- ✓ Privately-held company and Canada's largest helium producer
- ✓ Complementary and contiguous land base to HEVI with proven track record of success developing helium assets

### **Exploration Premise on ~5.6MM Acres**



### **Land Acquisition**

- Crown land abundant & low cost
- 3-year term manageable to evaluate prospects





 Posted as many Sawatsky anomalies as possible on crown lands and evaluate with geology and geophysics

### **Government Mapping**

 Highly correlative to helium discoveries –Sawatsky maps











#### **Anomalies**

~185 anomalies tied up

### **Favorable Geology**

- Precambrian source with Cambrian Sandstone traps
- Cambrian Shale seals
- Devonian Carbonates with anhydrite seals









### **Competitive Intelligence**

 Leverage off industry competitors for exploration activity, methods, field practices, processing technology

### **HEVI's Saskatchewan Advantage**

HELIUM EVOLUTION

- ESG-friendly: green source of helium as harmless nitrogen gas is carrier
- Stable, safe & environmentally responsible vs other global jurisdictions
- Proximity to high-demand U.S. markets and existing infrastructure
- Identical drilling process to natural gas & access to skilled labour

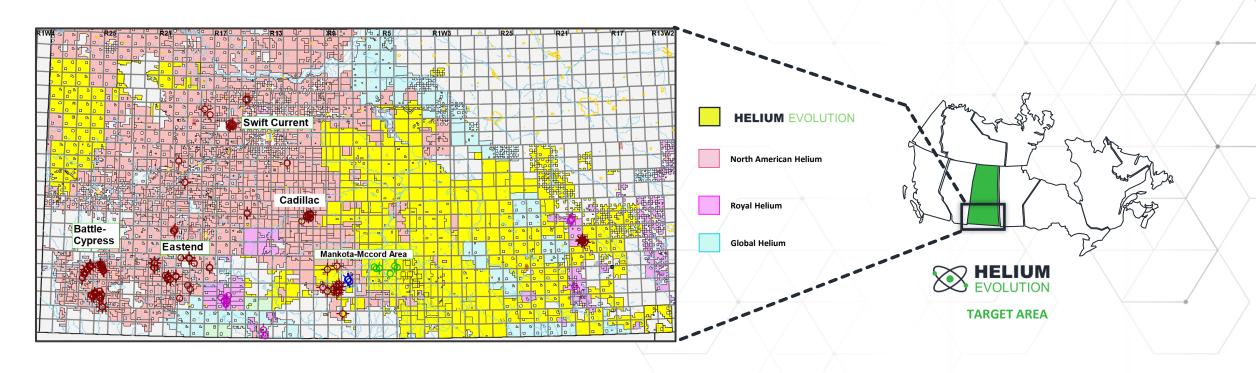


## **HEVI Land Holdings**



### **HEVI** is the largest publicly-traded helium land holder in North America

- ~5.6 million acres of land permitted for helium
- Land offsets significant helium discoveries by North American Helium
- 185+ potential helium anomaly leads captured on current land holdings



## **Target Formation**



### HEVI's Primary Geological Target: The Deadwood Formation

#### **Regional Data Used**

**Well logs, seismic, and aeromagnetic data** on the Deadwood used to select drill targets.

#### **Simple Drilling Process**

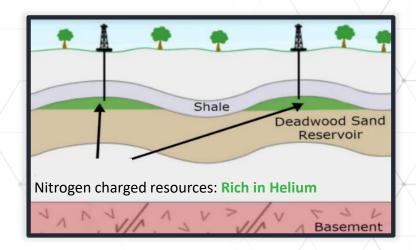
Helium drilling similar to conventional natural gas drilling - simple, lower-cost vertical drilling and completions.

#### **Targeting Basement Highs**

Highest concentrations of helium **typically found near regional basement (Precambrian) highs**, commonly found in the Deadwood.<sup>1</sup>

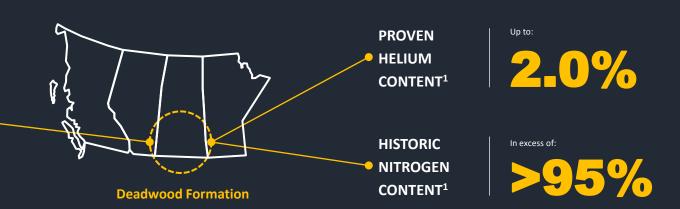
#### **Nitrogen Carrier Gas**

Nitrogen is primary carrier gas in SK helium with little associated CO<sub>2</sub>, **nitrogen can be environmentally vented**, providing **cost advantages** during helium extraction and purification.<sup>2,3</sup>



The Deadwood formation has the highest concentrations of helium in Southern Saskatchewan<sup>2</sup>

Radioactive decay of the uranium in southern
Saskatchewan's basement or rocks has produced significant helium resources.2



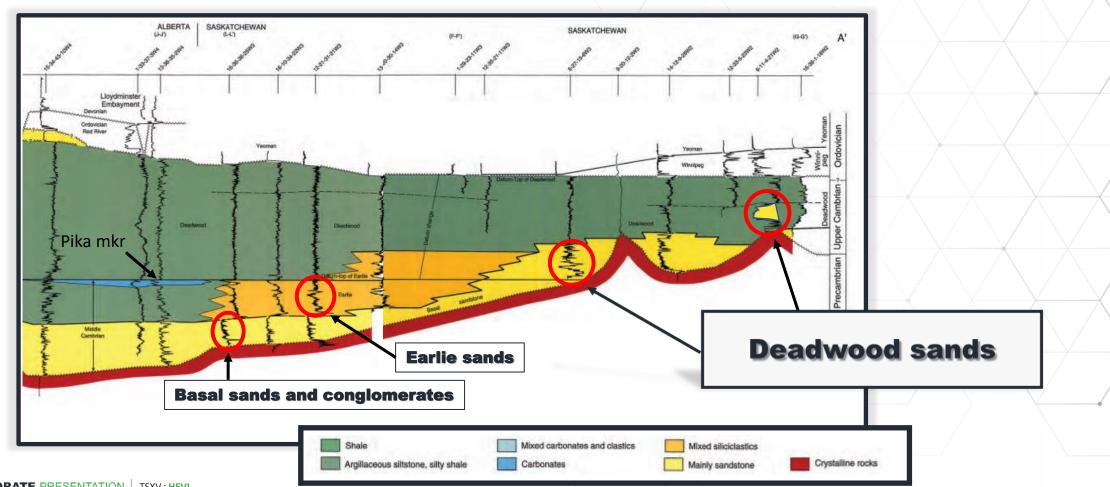
<sup>1</sup> Emerging Ideas, Industrial Technology; Helium; Cormark Securities; 2020 <sup>2</sup> Helium in Southwestern Saskatchewan: Accumulation and Geological Setting; Melinda Yurkowski; 2016 <sup>3</sup> Global Helium Market Update; Edison Investment Research; 2021

# **Cambrian Stratigraphy**



Two known **Helium producing zones** in the Cambrian (highlighted below)

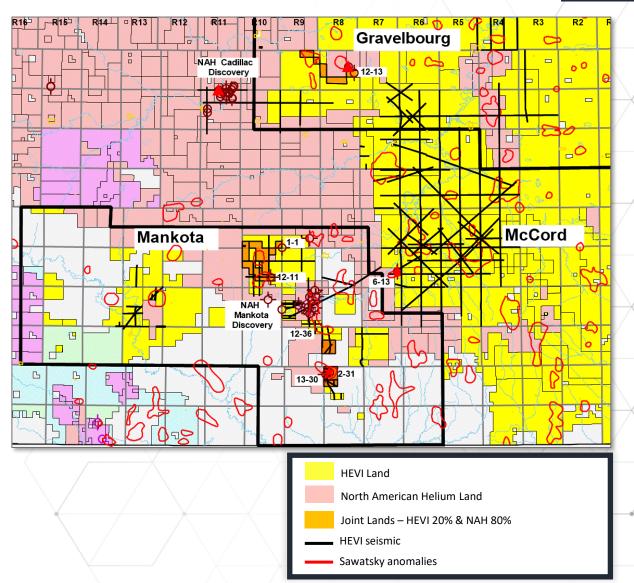
- M Cambrian basal sands which tend to be thick in basement lows and thin or absent on highs
- U Cambrian Earlie (below the Pika mkr) and Deadwood sands (above the Pika mkr) which exist immediately above the basal sands



### **HEVI Land is Adjacent to NAH Discoveries**



- NAH has discovered two helium pools adjacent to HEVI lands at Mankota and Cadillac
- NAH has drilled 14 wells<sup>2</sup> in the Mankota area
- The nearby NAH Mankota pool has demonstrated a nitrogen-rich reserve with helium concentrations of 0.94% to 1.08%<sup>1</sup>



# **Farmout Progress & Upcoming Catalysts**



#### **NAH Confirmed Drills:**

NAH carries HEVI for 100% of the drilling cost on the wells<sup>1</sup>

 On or before Nov 1/23 (subject to surface conditions), NAH to spud a well at Mankota (12-36)

### **Completion & Testing:**

 NAH to proceed with completion and testing of the 2-31 joint well at Mankota (NAH 80% and HEVI 20%)

### **Generating Internal Targets:**

 HEVI is in the process of reviewing the ~ 2,000 km of seismic that it owns over the basin, which may result in additional prospective locations

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Mankota Mankota Discovery 12-36 13-30 North American Helium Land Joint Lands - HEVI 20% & NAH 80%

<sup>&</sup>lt;sup>1</sup>The 12-36 well is an earning well under the Farmout Agreement with NAH, whereby NAH will earn an 80% interest on 10 sections of land.

### **Base Economic Assumptions**





# Single Well Economics\* - Sensitivities



Helium price (US\$/mcf)	\$ 375	\$	450	\$	525	\$ 600	\$ 725	\$ 800	\$	875
Helium price (C\$/mcf)	\$ 490	\$	590	\$	680	\$ 780	\$ 940	\$ 1,040	\$	1,140
IRR (%)	439	%	57%	ź	69%	82%	103%	117%		130%
Payout period (years)	2.		1.6		1.4	1.2	0.9	0.8		0.8
NPV (\$MM)										
Undiscounted	33.	7	45.2	2	55.7	67.2	85.7	97.3	X	108.9
5%	22.	7	31.4	ı	39.2	47.9	61.9	70.6		79.3
10%	15.	8	22.7	,	28.9	35.8	46.9	53.8	X	60.7
15%	11.	1	16.8	3	21.9	27.6	36.8	42.5		48.2
20%	7.	8	12.6	5	17.0	21.8	29.5	34.4		39.2
25%	5.	3	9.5	5	13.3	17.4	24.1	28.3		32.5

\*Economic sensitivities shown above are calculated based on certain assumptions and do not represent guaranteed IRR, payout or NVP.

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### **Successful Farmout Well Price Sensitivity\***



One successful exploration well + three development wells Development well COS – 66%

Helium price (US\$/mcf)	\$ 375	\$ 450	\$	525	\$	600	\$	725	\$ 800	\$	875
Helium price (C\$/mcf)	\$ 490	\$ 590	\$	680	\$	780	\$	940	\$ 1,040	\$	1,140
IRR (%)	123%	169%	, )	211%	5	256%	Ś	329%	375%		420%
Payout period (years)	0.8	0.6	•	0.5	5	0.4		0.3	0.3		0.2
NPV (\$MM)											
Undiscounted	17.3	24.2		30.5	;	37.3	3	48.4	55.3		62.2
5%	12.6	17.8		22.		27.7	,	36.0	41.2		46.3
10%	9.6	13.8	8	17.		21.6	5	28.2	32.3	X	36.4
15%	7.6	11.0		14.3		17.5		22.9	26.3		29.7
20%	6.2	9.1		11.7		14.5		19.1	22.0		24.9
25%	5.1	7.6	•	9.9		12.3		16.3	18.8		21.3

\*Economic sensitivities shown above are calculated based on certain assumptions and do not represent guaranteed IRR, payout or NVP.

# Corporate Forecast\* 500 mcf/d He Production



Helium Price (US\$/mcf)		\$450	\$600	\$750
Exchange Rate		1.3	1.3	1.3
Helium Price (C\$/mcf)		\$590	\$780	\$980
Helium Sales (mcf/d)		500	500	500
Annualized Sales (mcf)		182,500	182,500	182,500
Revenue (\$)		107,675,000	142,350,000	178,850,000
Royalties (\$)	5.75%**	(6,191,313)	(8,185,125)	(10,283,875)
Operating Costs (\$)	\$100/mcf	(18,250,000)	(18,250,000)	(18,250,000)
Operating Income (\$)		83,233,688	115,914,875	150,316,125
Operating Margin		77%	81%	84%
Capital				
Wells Drilled (\$)	27	58,550,000	58,550,000	58,550,000
Seismic (\$)		8,400,000	8,400,000	8,400,000
Facilities (\$)	\$2M/MMcf	100,000,000	100,000,000	100,000,000
		166,950,000	166,950,000	166,950,000
Estimated Reserves (mcf)		1,534,509	1,534,509	1,534,509
NPV10 (\$)		266,249,866	430,383,826	603,156,416
IRR		92%	223%	902%

<sup>\*\*</sup>Reflects a blended royalty rate including provincial royalties + HEVI's GORR - deductions

<sup>\*</sup>Forecasts and economics shown above are calculated based on certain assumptions and do not represent guaranteed pricing or ultimate results.

# **An Experienced Team**



### Extensive resource development expertise with a history of success in Saskatchewan

#### **Greg Robb**

President, Chief Executive Officer, and Director

Over 35 years of experience across all facets of Western Canadian energy resource activity including exploration and development, acquisitions & dispositions, and reserve valuations. Previously held executive positions in several E&P companies and founded *Salvo Energy Corp.* in 2006. Extensive experience in heavy oil, shallow gas, coal bed methane, deep basin tight gas, and conventional oil and gas plays, evaluating over \$500MM of acquired assets.

#### **Patrick Mills**

**Chief Operating Officer** 

Over 35 years of executive, managerial, and engineering & operational experience in the Western Canadian Sedimentary Basin. Previously founded *Mustang Resources* and *Pegasus Oil & Gas* where Mr. Mills held executive and board positions; also held technical and managerial positions with *Texaco, Imperial Oil Ltd.* and *Startech Energy*.

#### James P. Baker

Chairman & Independent Director

Mr. Baker has over 40 years of resource development experience in Saskatchewan and Alberta in field operations, consulting, and executive level positions. Extensive experience consulting to industry and government in oil and gas, power, and paper recycling. Currently a board member of *Kineticor Resource Corp.* Former Director of *SaskEnergy, Hanson Engineering*, and *Heritage Gas*.

#### Michael Graham

**Independent Director** 

An independent businessman with over 35 years of energy and resource development experience. Previously served as Executive Vice President of *EnCana Corporation* and as President of the Canadian division of the company. Currently serves on the board of *Halo Exploration Ltd.* and *Saquaro Resources Ltd.* 

#### **Jeff Barber**

Director

Mr. Barber was a Co-founder and managing partner of a boutique M&A advisory firm in Calgary. Prior thereto, he was an investment banker with national investment firms and began his career as an economist with *Deloitte LLP*. Mr. Barber has served on the board of *Standard Lithium Inc.* since 2017 and has been an independent businessman since September 2018. Prior thereto he had been a founder, director, and Chief Financial Officer of *Hiku Brands Company Ltd.* since 2016.

#### John Kanderka

VP, Land & Corporate Development

Over 40 years in the energy and mineral sectors as both an officer and director of private and public entities. Previously founded multiple companies leading to a wide array of experience in corporate finance, mergers and acquisitions, buyouts, and corporate restructuring. Currently a Director of *Orestone Mining Corp*. and Chairman & Founder of *Visionary Gold Corp*.

#### Kristi Kunec

Chief Financial Officer

Over 15 years experience in financial sector, leading corporate finance, organizational planning and financial reporting functions; served as Controller and CFO for various growing public and private resource companies including *Kanata Clean Power & Climate Technologies Corp.*, *Pine Cliff Energy Ltd.*, *North American Oil Trust*, *Orion Oil & Gas Corp.*, and *TransGlobe Energy Corp*.

#### **Brad Wall**

**Independent Director** 

Spent 18 years in politics highlighted by a role as **Premier of Saskatchewan**, leading the province through record population and economic growth, export expansion, infrastructure investment, and securing a AAA credit rating. Currently a Special Advisor to the **Osler** Calgary office and a Director of **Whitecap Resources**, **NexGen Energy** and member of the **Canada American Business Council** and **The Fraser Institute**.

#### **Philip Hughes**

Independent Director

Over 35 years of Canadian energy experience serving as President and CEO of five energy companies across Canada. Previously a senior executive with *Fortis Inc.* including CEO of *FortisAlberta*, *Newfoundland Power Inc.*, *Maritime Electric Company*, and *FortisBC*. Currently Chairman of *Oceanic Wind Energy Group* and *Kineticor Resources Inc.* 

#### **Heather Isidoro**

**Independent Director** 

Ms. Isidoro has over 20 years of experience in the energy industry, the last 17 of which focused on business development. She is currently Senior Consultant, Voluntary Initiatives, at Highwood Emissions Management, and previously was VP, Business Development with Pine Cliff Energy Ltd. She brings a broad range of industry experience with specialization in acquisitions and divestitures, reserves valuations, and financial modeling. Ms. Isidoro is President and a Director of the *Petroleum Acquisitions and Divestitures Association*, and a Trustee on the *University of Saskatchewan Engineering Advancement Trust*.

### **HEVI Next Steps**





### **ANALYZE SEISMIC**

HEVI has amassed approximately **2,000 km of seismic**, which is key to selecting drilling locations on a "wildcat" exploration play



### **APPLICATION OF LEARNINGS**

Leverage valuable knowledge gained through 2022/2023 exploration program



### **TARGET SELECTION**

Identification of 10-12 prospective drilling targets by end of 2023/Q1-2024



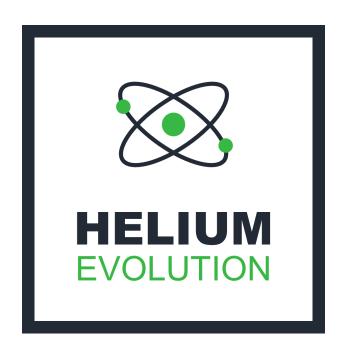
### **LEVERAGE PARTNER DATA**

Development drilling and targeted exploration opportunities to be explored



#### **CAPITAL MANAGEMENT**

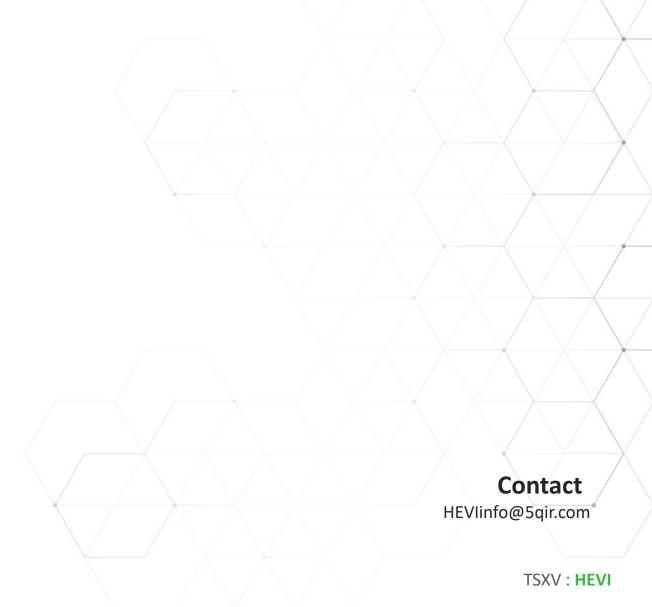
Supported by strong working capital position of \$8.8M (Jun/23)



### **Developing Canada's Helium Resources**

**Corporate Presentation** 

October 2023



# **Appendix**



# **Capital Structure**



#### **HEVI Share Capitalization @ September 29/23**

Total Basic Shares Outstanding	96.0MM
Basic Market Cap (@ \$0.16/share) (Sept 29/23)	C\$15.4M
Total Options & Warrants Outstanding	18.4MM
Total Fully Diluted Shares Outstanding	114.4MM
Shares & Dilutives Held by Management <sup>1</sup>	~23%
Fully Diluted Valuation (Sept 25/23)	C\$18.3MM
Positive Working Capital Position (Jun 30/23)	С\$8.8ММ

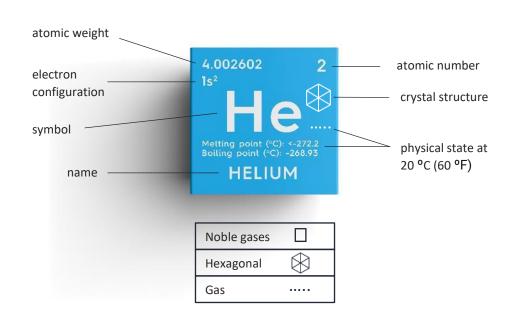
### Private placement financing in June 2022 raised aggregate gross proceeds of \$6.9 million

- Strategic equity investment by NAH for gross proceeds \$3.5 million
- Insider private placement of \$1.27 million
- Brokered private placement of \$2.15 million

# What is Helium (He)?

HELIUM EVOLUTION

- 2<sup>nd</sup> most abundant element in the universe (after hydrogen) and the most stable
- **Inert gas** to -269 C
- Non-renewable: recoverable quantities only in a few locations globally
- **High thermal conductivity** helps control silicon temperatures during chip manufacturing & semiconductor miniaturization

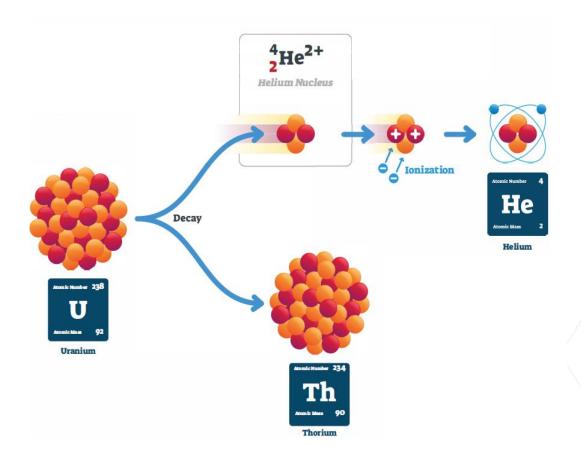


Non-combustible
Inert Lightest noble gas
High thermal conductivity
Lowest boiling point
Odourless Tasteless
Colourless

### **How is Helium Formed & Extracted?**



Most helium is formed from the radioactive decay of Uranium and Thorium<sup>2</sup>



"Since the transfer of drilling knowledge from the O&G industry should be seamless, we do not envision undue risks as it pertains to drilling vertical Helium wells,"

> - Beacon Securities<sup>3</sup> **Helium** escapes into the atmosphere **Helium extracted** from natural gases at >0.3% concentrations are commercial >95% of helium produced as byproduct of natural gas or NGL production<sup>1</sup>

### What is Helium Used For? Tech, Tech & Tech



- Known as safe, non-flammable gas to fill balloons
- Cooling properties: **boiling point near absolute zero**

### There are no substitutes for Helium, and it cannot be synthesized

#### **MEDICAL & RESEARCH**



#### **AEROSPACE & DEFENSE**



#### **INDUSTRIAL**











Space Exploration -

**Fuel Purging Systems** 





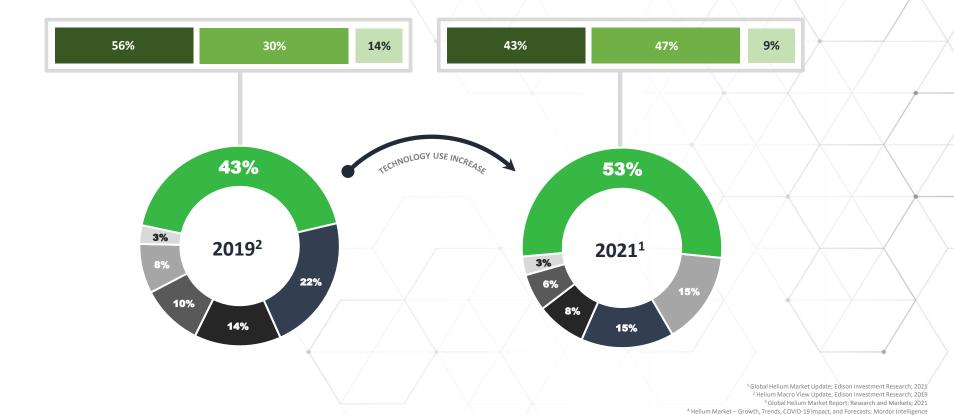
### **A Growing Need for Helium**

HELIUM EVOLUTION

- Technology industry demand for helium has been increasing<sup>1,2</sup>
- The helium market is expected to grow 11.2% (CAGR) over 2021 2026<sup>3</sup>
- Annual helium demand reached 6.5Bcf in 2021<sup>4</sup>
- Several countries, including Canada, have now classified helium as a critical mineral<sup>5</sup>







KEY DRIVERS<sup>1</sup>

✓ Medicine

✓ Aerospace

**✓** Computing

√ Green technology

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<sup>5</sup> Critical Minerals; Government of Canada; 2021

### **Recent Headlines**





Helium Instrumental in Semiconductor Manufacturing

- **January 2021** 



President Biden signs \$52bn CHIPS Act into law

- August 2022



Unprecedented Helium Shortage Could Send Prices Sky-High

- February 2022



Biden's plan to boost semiconductor chip manufacturing in the U.S. is critical

- August 2022



Helium: The Most Important Resource No One is Talking About

- <u>February 2022</u>



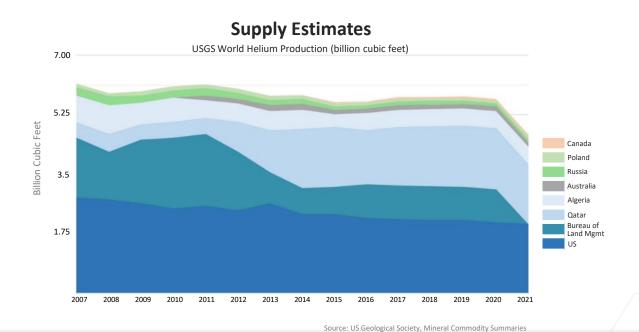
The Gas Shortage That Could Kill Space Exploration

- July 2021

### The New Market Landscape



- U.S. Strategic Reserve (BLM) now depleted, free market pricing now in effect
- North American supply has significantly weakened with the elimination of the U.S. strategic reserve
- As the helium market continues to evolve, greater transparency into market pricing for helium is expected





USD per mcf

USD per mcf retail helium pricing

Helium Pricing Used in HEVI's Forecasts

helium pricing

\$450 USD per mcf wholesale

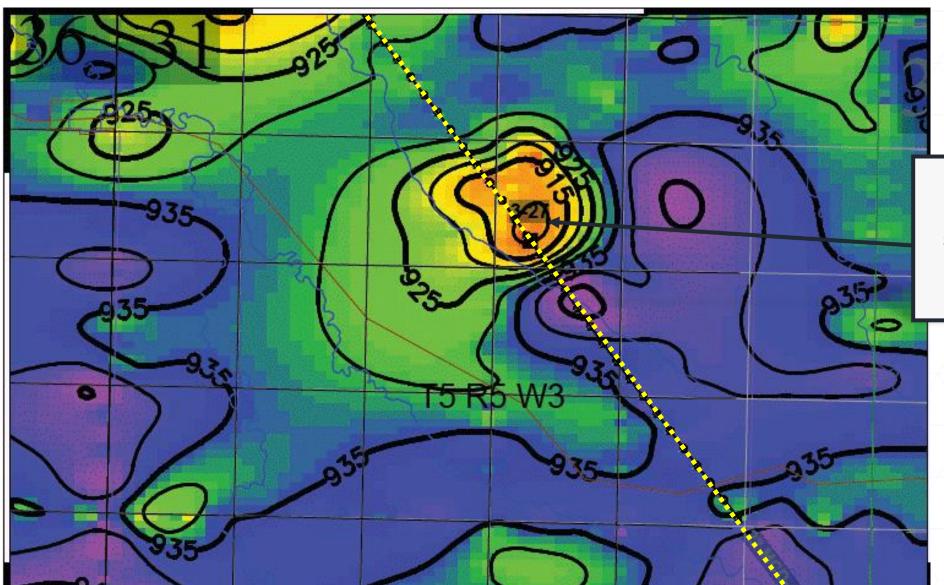
**RESULT** 

Pure-play Canadian helium development is now economically viable and deemed critically important for Canada's economic development.<sup>3</sup>

<sup>1</sup>Total Helium May 2023 Investor Presentation 2 NASA news release dated September 29, 2023

# **McCord Prospect 2 Earlie Structure**

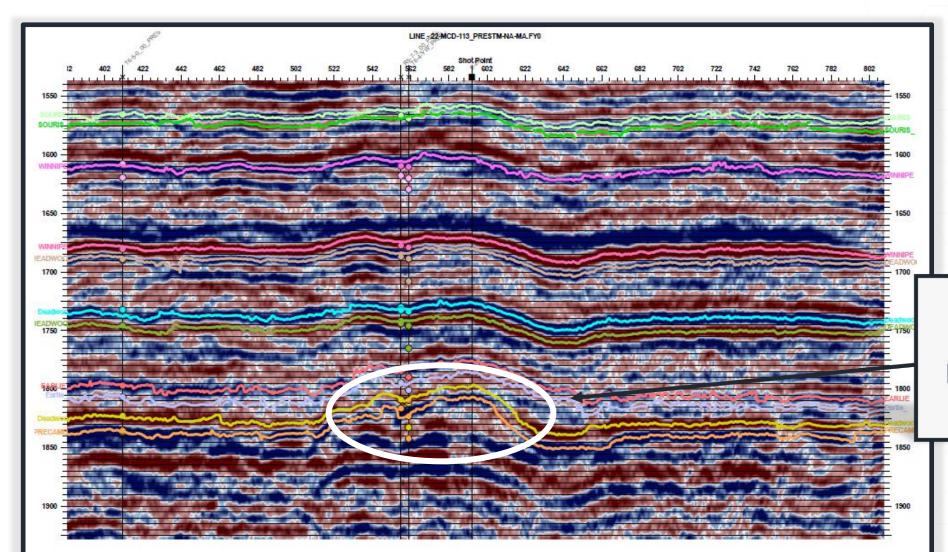




Seismic cross section area on next slide

# McCord Prospect 2 Line 22 MCD 113





Targeting the bumps, where helium tends to be trapped

1 2