GLOBAL HELIUM

WHERE DOMESTIC SUPPLY MEETS GLOBAL DEMAND

Corporate Presentation 2023

CSE: HECO

OTC: HECOF

LEGAL

This presentation includes certain statements that may be deemed forward looking statements. All statements in this document, other than statements of historical facts, which address future production, reserve potential, exploration activities and events or developments that the Company expects, are forward looking statements. Such forward-looking statements include, without limitation: (i) estimates of future helium prices, supply, demand and/or production; (ii) estimates of future cash costs; (iii) estimates of future capital expenditures; (iv) estimates regarding timing of future development, construction, production or closure activities; (v) statements regarding future exploration results; (vi) statements regarding cost structure, project economics, or competitive position, and; (vii) statements comparing the Company's properties to other mines, projects or metals. Although the Company believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from those in the forward-looking statements. Factors that could cause actual results to differ materially from those in forward looking statements include market prices, exploitation and exploration successes, continued availability of capital and financing, and general economic, market or business conditions. Investors are cautioned that any such statements are not guarantees of future performance, that the Company expressly disclaims any responsibility for revising or expanding the forward-looking statements to reflect actual results or developments, and that actual results or developments may differ materially from those projected, in the forward-looking statements, except as required by law. If expectations and assumptions, which may be based on limited or inaccurate data, prove to be incorrect or if factors change, then actual results could differ materially from any forward-looking information contained in this presentation. The list of risk factors and assumptions should not be construed as exhaustive. Management believes the expectations reflected in the forward-looking statements are reasonable, but no assurance can be given that these expectations will prove to be correct and such forward-looking statements included herein should not be unduly relied upon. These statements speak only as of the date hereof. We do not undertake any obligation to publicly update or revise any forward-looking statements beyond what is required by applicable securities legislation. All instances of $ or "dollars" refer to Canadian Dollars, unless otherwise noted.

CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

SUMMARY: ESSENTIAL & IRREPLACEABLE

An industry experienced team aiming to explore & develop this scarce and increasingly valuable resource to meet the growing demands of industry, government, medicine, and research.

Supply

- Supply is scarce and unreliable
- USA divested the world's only strategic helium stockpile
- Global supply now concentrated in unreliable, politically unstable, distant countries
- Transportation to North America is time consuming & expensive

Demand

- Demand is accelerating from high-growth sectors, especially medical, semiconductors and fiber-optics
- There are few substitutes and for some technologies there are no alternatives to helium
- Users of helium are relatively price insensitive and will pay a premium for *stability of supply*

We Can Deliver

- The Global Helium team brings over two decades of natural gas and helium-specific development experience
- Uniquely positioned with long-term relationships across the entire value chain
- Proven ability to execute in a region with proven reserves – right here in North America

Excellent Opportunity

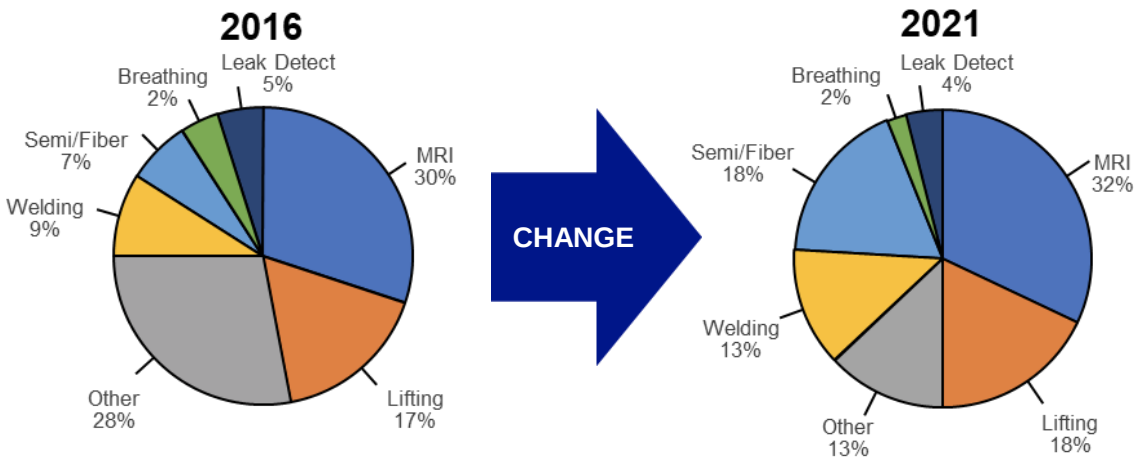
- Helium is a critical element in the New Green Revolution
- Full access to abundant historic data from previous exploration and in areas with proven reserves
- Growing market, exceptional economics, astute leadership and geopolitical realities create an opportunity for technical, economic and shareholder success

CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

DEMAND: USES OF HELIUM

Medical device usage is stable but semiconductor and fiber-optics have grown rapidly

Helium Use Transition[1]



High-tech usage in the semiconductor and fiber-optic segments has increased dramatically. It is expected that helium will play a significant role in the global refrigeration and transportation of COVID vaccines.

- Helium cools superconducting magnets used in MRIs (magnetic resonance imaging) and NMR (nuclear magnetic resonance) spectrometers
- Shielding gas for welding
- Semiconductor manufacturing (i.e.: microchips in cell phones, computers, etc.)
- Coolant for nuclear reactors (doesn't become radioactive)
- Cryogenics research
- LCD panel and fiber optic cable manufacturing
- Supersonic wind tunnels
- Liquid fueled rocket propulsion systems
- Used in the most advanced quantum computers
- Used to detect gas leaks in aerosols, tires, refrigerators, fire extinguishers, air conditioners
- Helium plus oxygen is a breathing gas with industrial diving & medical applications

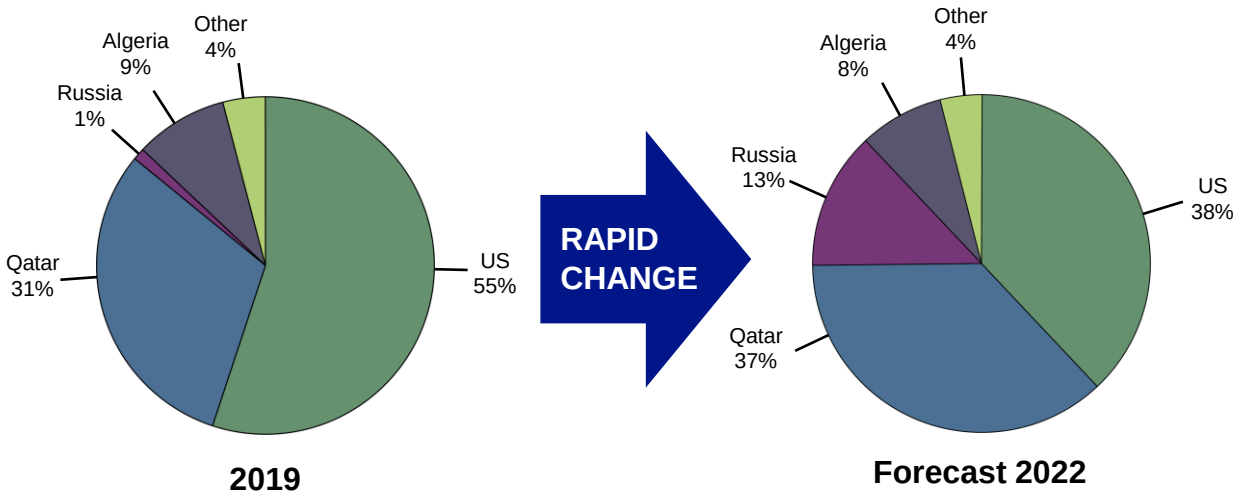
1. Source: J.R. Campbell & Associates

CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

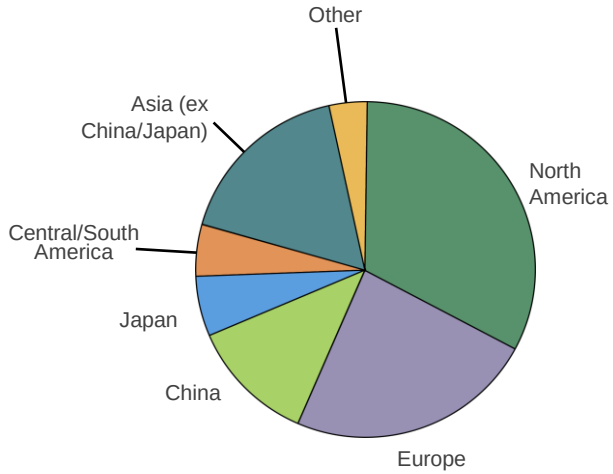
DEMAND IS DECOUPLING FROM SUPPLY

SOURCES of helium are moving *away* from USERS of helium to politically challenging areas

Regions of Production[1]



Regions of Consumption



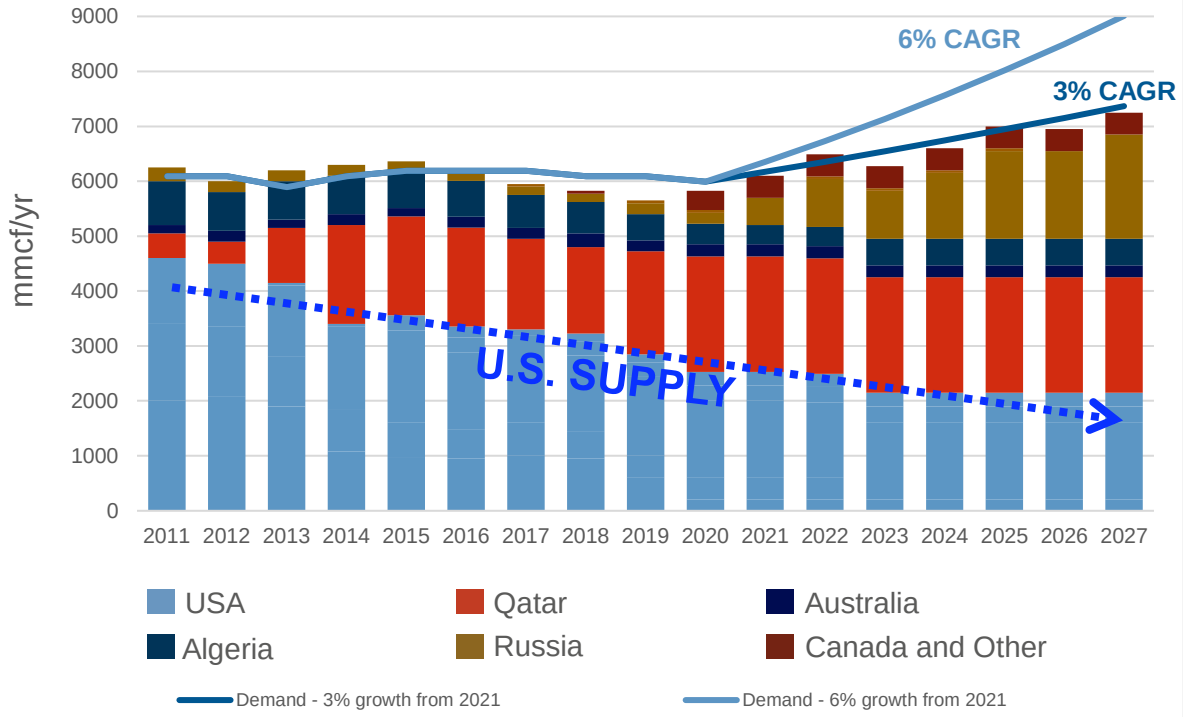
RESULT: An opportunity for Canada to become the supplier of choice for the USA

1. USGS 2019 Data, Edison Investment Research

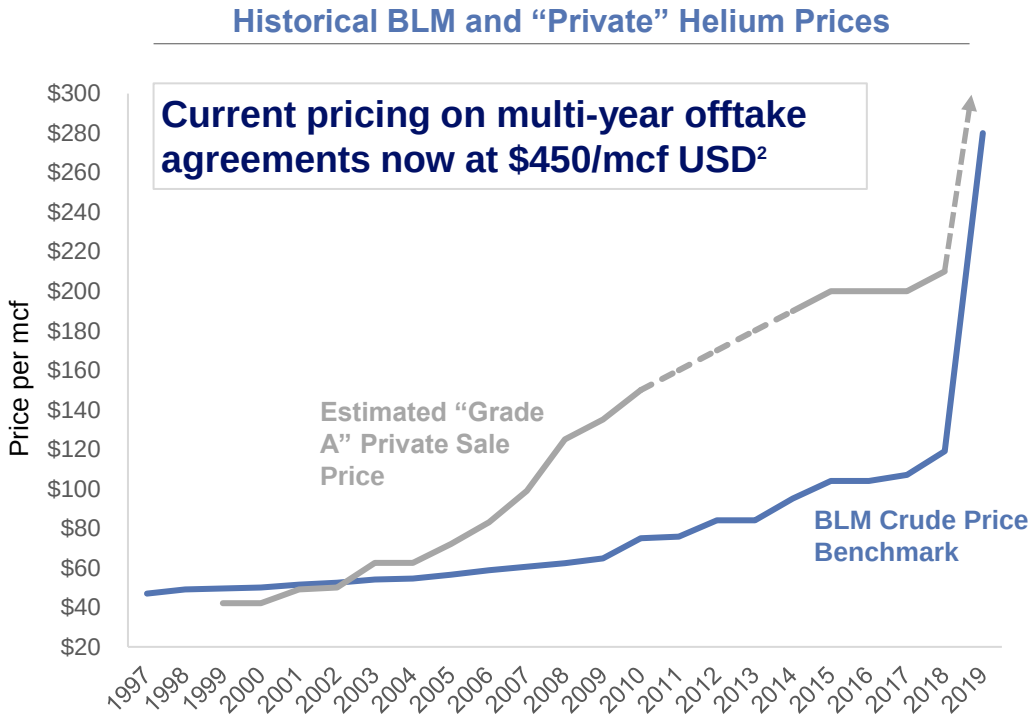
CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

NORTH AMERICAN SUPPLY IS SHRINKING

Helium Demand is Growing While US Supply Continues to Decline[1]



The BLM Sold Helium at Below Market Prices for Almost Two Decades



Notes:
[1] JR Campbell & Associates report for BLM Office of Minerals Evaluation, public and private company data, Edison Investment Research and from management
[2] https://royalheliumltd.com/investors/corporate-presentation

CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

THE NEW SUPPLIER: CANADA & MONTANA

The disappearance of the global helium reserve in the US creates greater opportunity for helium exploration in the Canadian Prairies.

(Cormark Securities Inc. July 2, 2020)

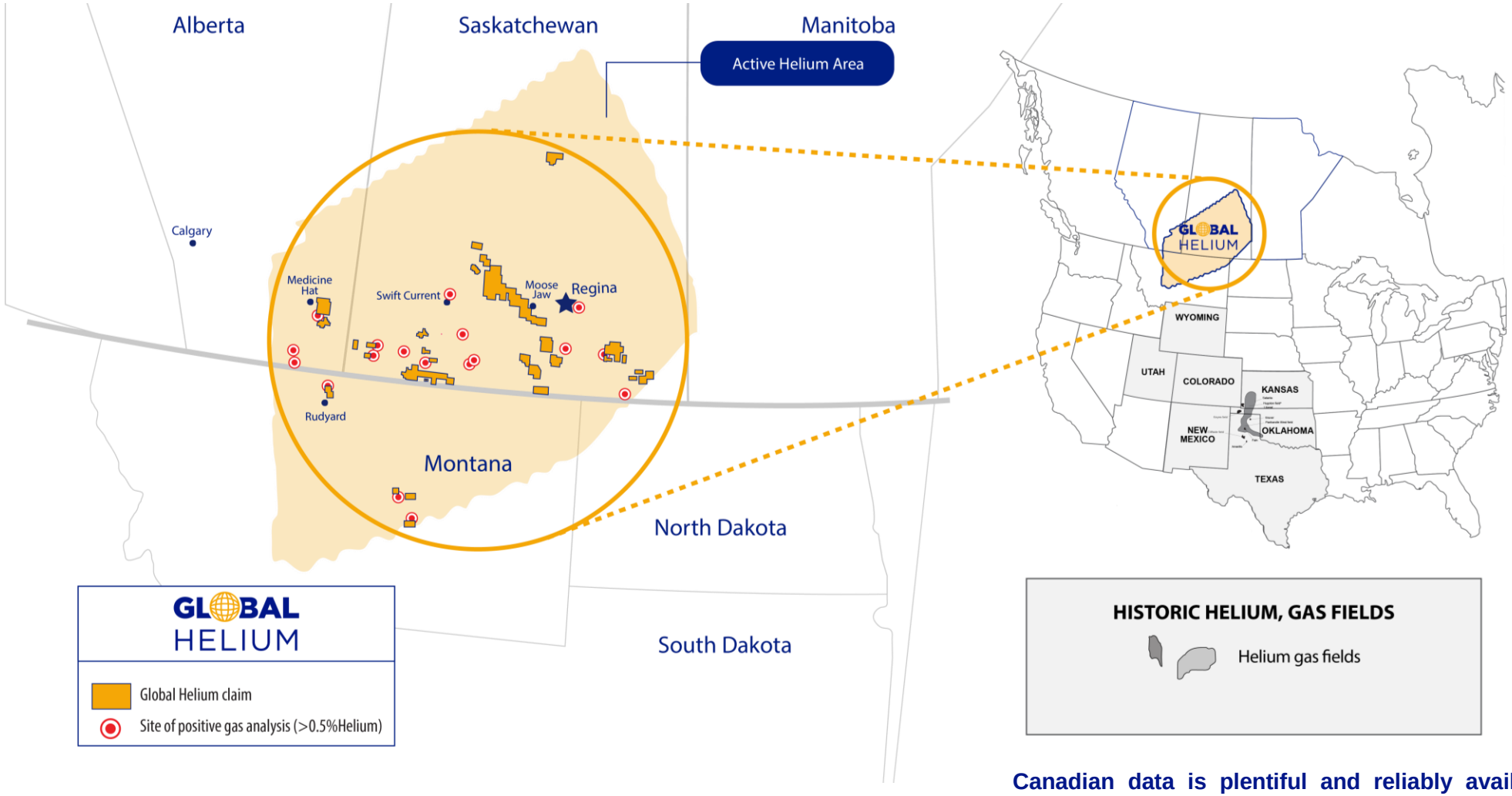
Canada & Montana offer an attractive environment for helium extraction given the availability of:

- Vast well and seismic data
- Existing helium discoveries
- Extensive drilling expertise
- Favorable lease terms and royalties
- Existing production facilities
- Proven reserves

Drilling for helium is nearly identical to the process of drilling for natural gas, an industry which generated massive data on helium. Unlike some jurisdictions in the USA, this data is reliably available within the historic oil and gas field records of the Canadian prairies.

CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

THE HELIUM SANDBOX: A PRODUCTIVE REGION



Global Helium operates in an area of known high helium concentration – a southwest to northeast trend from Montana through Alberta to central Saskatchewan

Canadian data is plentiful and reliably available. Historic helium drilling, production, seismic lines, well logs, and gas analyses allows Global Helium to select target-rich areas with significantly less risk

CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

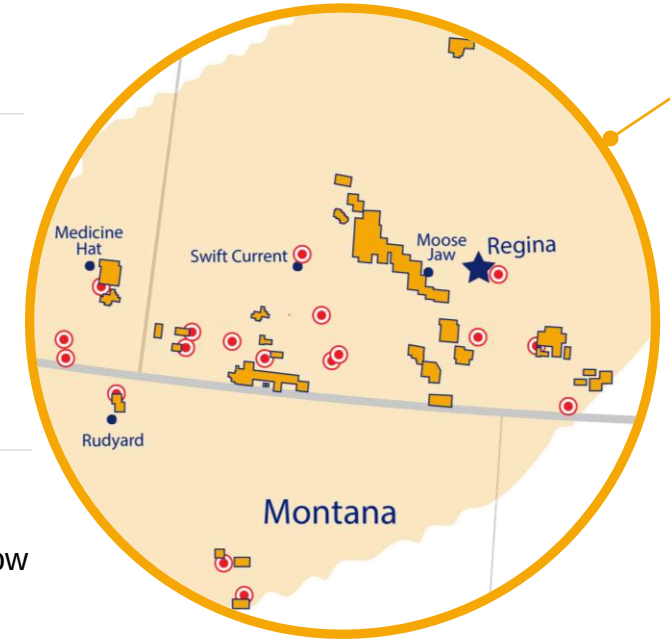
GLOBAL'S FLAGSHIP PROJECT

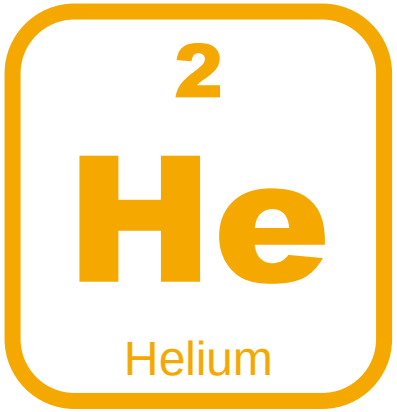
Global Helium has entered into agreements in Southeast Alberta on the Manyberries helium trend gaining control of approximately 50 gross sections of prospective land. The Company plans to drill two wells on the trend in 2023 with their partner Perpetual Energy Inc. When drilling is complete under both agreements Global will hold a 75% interest in all lands earned and Perpetual will hold a 25% interest. Global has identified additional lands in the area and will continue growing its position leading into drilling in Q2/Q3 of 2023.

The Manyberries trend contains multiple helium discoveries with concentrations ranging from 1.2% - 1.5%. Global's land position surrounds a discovery well that was tested in 2018 and showed 1.2% helium.[1]

Global Helium has also acquired multiple helium exploration permits located in Saskatchewan's established helium fairway. The permits total 1.8 million acres, making Global one of the largest permit holders in the province, with more exploration rights being acquired. In Montana Global Helium holds over 25,000 acres of leased land offsetting successful helium production tests.

Global Helium will initially produce and sell high quality helium using single site processing facilities to begin generating cash flow near term. Global will continue to review liquification facilities.





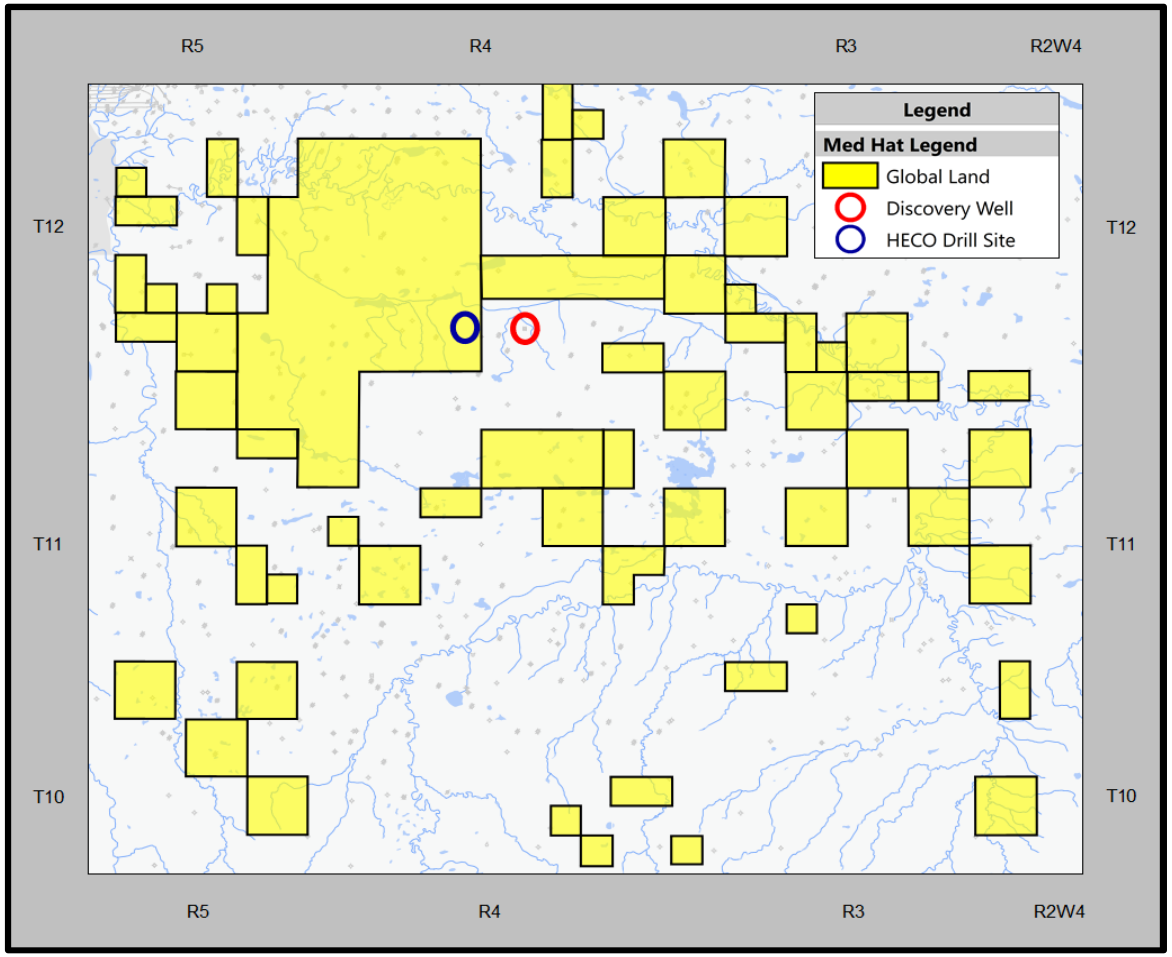
Notes:
[1] Source: Geologic – AER Public Database

CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

MANYBERRIES SOUTHEAST ALBERTA

~50 SECTIONS UNDER COMPANY CONTROL – 2 HELIUM WELLS TO BE DRILLED IN 2023

- Global Helium has entered into two agreements giving the Company access to all lands shown in yellow (~50 sections, 32,000 acres)
- Perpetual Energy Inc. will be a joint venture partner once earning is complete on the agreements
- An AMI spanning 576 square miles has been formed with Perpetual Energy to jointly explore the greater Manyberries helium trend surrounding Medicine Hat in SE Alberta
- Discovery well (highlighted red) shows a 1.2% helium concentration and is located less than 1 mile East of Global's first drill location
- Global expects to have enough data by end of Q2 2023 on this asset to begin the process of designing a helium production facility
- Additional land acquisition opportunities exist on this trend and are being actively pursued



CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

MONTANA - LOW RISK DEVELOPMENT

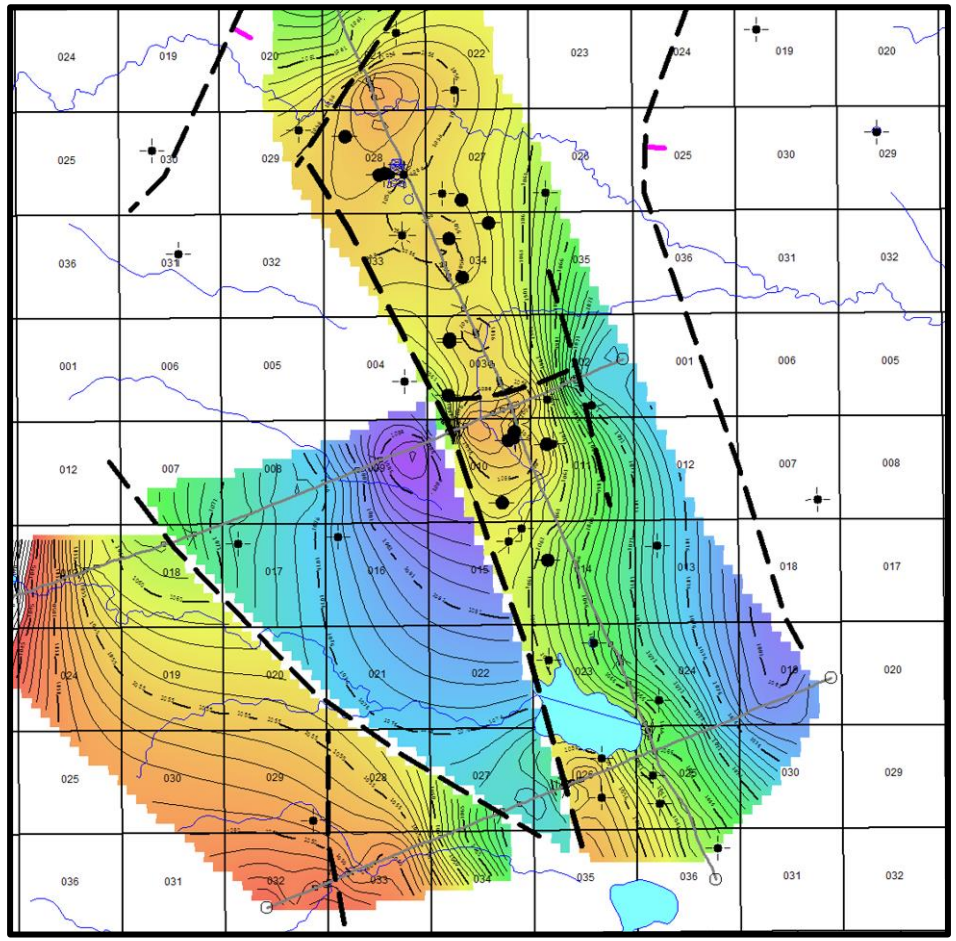
Rudyard, Montana – Existing Well Ready to Equip and Produce
15 Sections of Global Held Land on Structure with Expansion Potential to 24 Sections

Global Helium has initiated a Pre-FEED engineering study for the construction and installation of a helium processing facility at Rudyard. The contemplated facility will be able to process 5MMCF/day of raw gas. Management estimates in excess of 65MMCF of gross helium sales are possible in the first 5 years of production from the Rudyard field once a facility is commissioned.

Near term plans for the asset include a re-completion of the Rudyard #1 where bypassed pay zones will be perforated and tested with the potential to increase Management's production and recovery estimates.

An offset drill location to the original well would be drilled, completed and tied-in to the helium processing facility. With optimized drilling and completion techniques, Management estimates that we can improve upon the Rudyard #1 production and recovery estimates.

4-year operating revenues from Rudyard could exceed $20MM with only 2 producing wells using todays strip pricing. Once the Pre-FEED study is complete in Q1 2023 Global will begin the next step in the process of selecting vendors and planning field operations for drilling and the installation of the facility.



CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

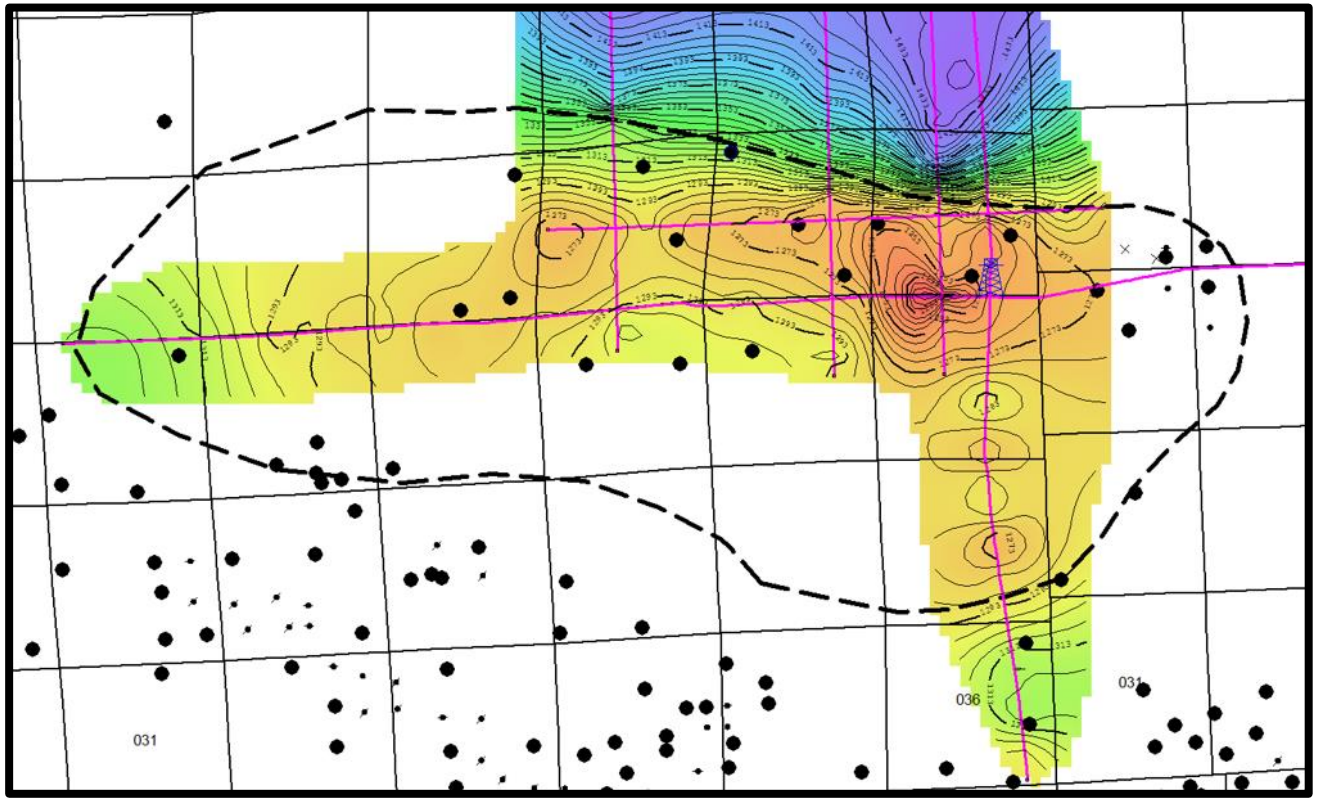
ADDITIONAL LOW RISK DEVELOPMENT POTENTIAL

Musselshell, Montana “The Pale Rider” – Proven Helium Production Ready for New Drilling

Texaco well drilled on structure tested over 1.3 mmcf/d of non-combustible gas with 1.2% helium and a very high percentage of nitrogen. Only trace amounts of methane and CO2 were present. An offset well drilled in 1958 also confirmed potential reservoir in deeper formations that are expected to be prospective for helium

Using extensive seismic coverage, Global Helium has mapped an 18 square mile (11,500 acre) helium pool, with greater than 90% of the pool covered by the land recently acquired. Global Helium sees potential for significant helium volumes, as the structure is a very large anticline related to a simple basement-involved thrust along the northern edge, which is well defined by seismic.

The initial drilling location has been identified and Global is preparing to ready the location for drilling. Infrastructure in the area is plentiful thanks to historical oil and gas development nearby.



CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

SASKATCHEWAN – VERMILION HILLS AREA

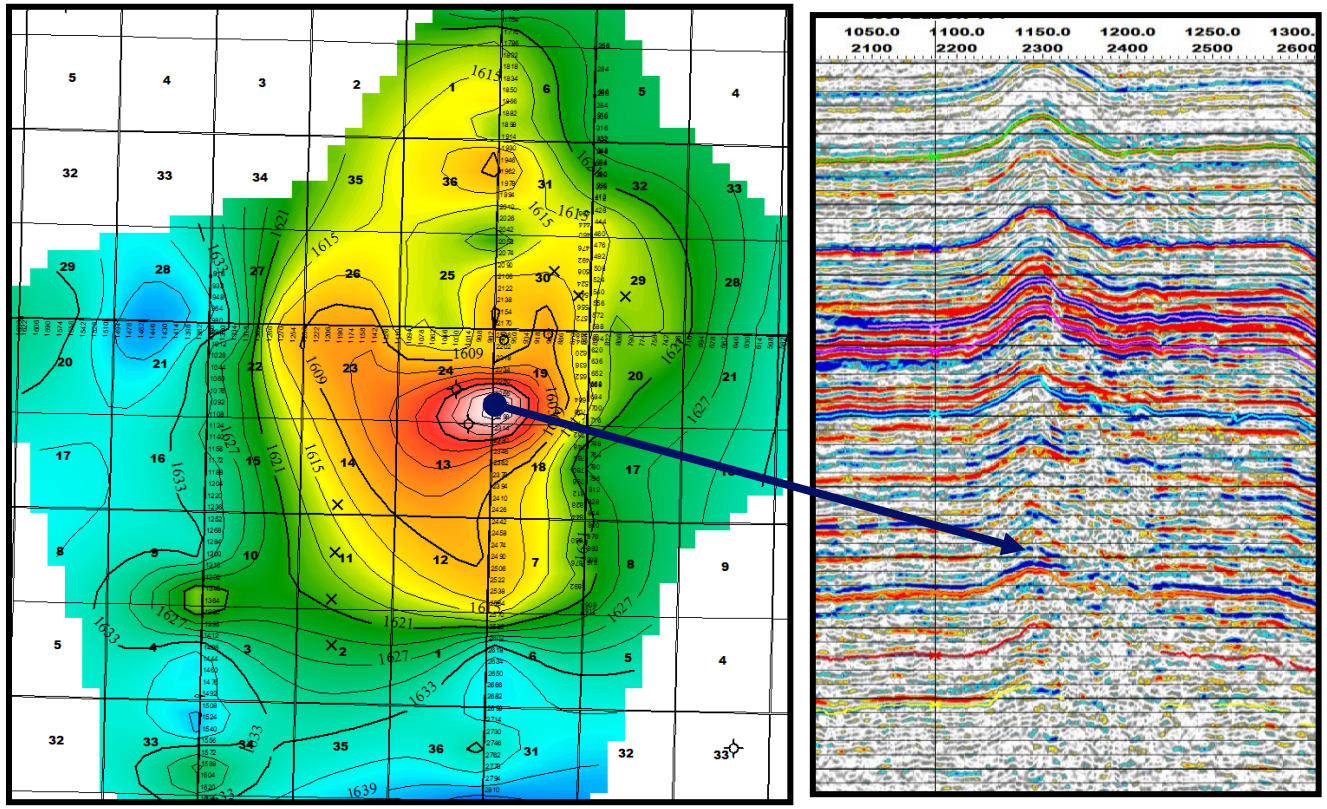
Very large helium structures – and several wellbores – exist on Global Helium controlled land

Global Helium's land position is in the heart of the known helium fairway with production, reserves and significant activity nearby.

A deep exploratory well was drilled in 1944 by Imperial Oil in their search for hydrocarbons in Western Canada, on land that is now controlled by Global Helium.

The testing equipment of the day did not – *or was unable to* – detect helium and was only able to identify 95% of the elements of the non-combustible gas stream (primarily N_2).

Global Helium recently acquired, and is now interpreting, modern seismic in the area with a view to drill this structure in late 2023.



CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

FOR THE ENVIRONMENT: A NO-CARBON SOLUTION

There is no direct carbon footprint associated with the use of helium. Non-toxic non-combustible helium is not implicated in environmental politics. It can be produced as a stand-alone product as opposed to being a byproduct of natural gas production

Helium is colorless, tasteless, odorless, non-toxic, non-flammable and extremely low solubility. Helium cannot be synthesized, manufactured or substituted in many cases. It is listed on the critical materials lists for the US, EU, China and other major economies

Global Helium is committed to responsible stewardship in all our operations, both above ground and below. Being part of the community and making a difference is a priority for the Company

CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

TEAM

Jesse Griffith
President & Director

Mr. Griffith was previously a founder and Vice President of Crestwynd Exploration Ltd., which was recently acquired for more than $200 million by a major publicly listed company. The majority of Mr. Griffith's career to date has involved starting and growing businesses through M&A, land acquisition, exploration and execution. Mr. Griffith has progressed over 17 years in the oil and gas industry in the capacity of founder, executive management, business development, exploration, operations, land management, legal responsibilities, asset evaluation and corporate evaluation. He has been intimately involved in the early-stage growth and development of several upstream oil and gas companies in Canada and the United States. He has developed a strong working knowledge of the helium industry through his extensive relationships and personal interest in helium.

Duncan MacKenzie, P. Geol.
VP, Geosciences

Duncan MacKenzie is a geoscientist with 20+ years' experience with all aspects of finding and commercializing industrial gases primarily in western Canada. Duncan has also worked as a geoscientist on U.S., South American, and West African projects. He is well versed in gas reserve evaluations and is privileged to be part of a network of skilled and experienced geoscientists focusing on environmentally friendly, non-combustible gases. He has been working on rare gas exploration since 2015.

Nathan Steinke, CPA
CFO

Nathan Steinke is a chartered professional accountant with over 18 years of experience leading the finance functions for both public and private companies in the international resource sector. Since 2003, Mr. Steinke's responsibilities have comprised of all financial aspects of the companies including; debt and equity financings, corporate structure design and management, cash flow management and forecasting, legal and regulatory compliance, stakeholder engagement and reporting, dual listing execution and management, and risk management.

Kade Holladay, P. Geo
Manager, Exploration & Development

Kade Holladay is a professional Geophysicist with 15+years of experience in all aspects of seismic and geophysical exploration along with multiple years of well site operations, exploration and development drilling and data analytics. Mr. Holladay has worked across the entire Western Canadian Sedimentary Basin and brings a unique skill set to Global with the experience and ability to both explore and discover new opportunities while seeing them through to the development stages. Mr. Holladay is a key member of the Global team and will be integral to our success as we begin development and exploration operations.

CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

BOARD

Brad Nichol, P. Eng., MBA
Executive Chairman, Interim CEO

Brad Nichol is a mechanical engineer with 25+ years' experience in oil field operations, business consulting, and as an oil and gas executive and board member in Canada, the United Kingdom, the United States, and South America. Mr. Nichol has worked extensively on producing oil and gas fields in Canada and Colombia and recently on (re)-establishing commercial Helium production in Canada. He has participated in identifying or acquiring more than 30 bcf of natural gas and 4.5 million barrels of oil in North America. Brad brings access to an experienced network of engineering, operational and finance professionals in Calgary, Toronto, London, New York and Switzerland. In addition to completing his Bachelor of Science in Mechanical Engineering, Brad also received a Masters in Business Administration, with honors, from the London Business School. Brad is currently the President and CEO of Alpha Lithium Corp, an environmentally responsible lithium explorer and producer in Argentina.

Chris Cooper, B.A., MBA
Director

Chris Cooper has over 20 years of experience in management and finance in the oil and gas, mining and technology industries. Mr. Cooper received his B.A. from Hofstra University and his MBA from Dowling College, both in New York State. He has been involved in the creation and funding of several oil and gas issuers including Choice Resources Corp., an intermediate oil and gas producer before it was taken over in August 2007 by Buffalo Resources Corp. Mr. Cooper also sits on the board of other junior public companies, including: Counterpath Corporation; Westridge Resources Inc. (CSE); Bullion Gold Resources Corp. (TSX.V); and Planet Mining Exploration Inc. (TSX.V). He has sat on the audit committee of many public companies in several different industry sectors and has a broad comprehensive knowledge of financial reports.

Rod Nichol, B. Comm, MBA
Director

Rod Nichol is an entrepreneur, senior adviser and private investor primarily based out of Vancouver. Over his 23-year financial services career, he was the Managing Director of Lionsgate Capital Limited, a principal investment and advisory firm which he founded in Hong Kong in 2010, and a senior investment banker, based in London, with Merrill Lynch, Dresdner Kleinwort, and The Europa Partnership LLP. He has originated and executed numerous notable transactions globally, having been directly involved in over USD60bn (equiv.) in transaction value. He has an MBA from London Business School and a Bachelor of Commerce degree from the Sauder School of Business at the University of British Columbia.

Wes Siemens, P. Eng
Director

Wes Siemens was most recently President of Global Helium and previously the founder, President and CEO of a private-equity funded, energy exploration company, based in Western Canada. Wes began his career in 1993 at Canadian Occidental Petroleum Ltd. and held several technical and management positions over 21 years throughout its evolution to Wascana, Nexen, and CNOOC Ltd. Mr. Siemens held international and senior management positions in the company included Operations, Corporate Planning and Business Development, Business Development Africa and Middle East, Oil Sands and Technical Excellence. He has accumulated extensive experience in M&A, including billions of dollars of transactions. Wes received his Bachelor of Science Degree in Mechanical Engineering from the University of Alberta and completed an Executive Leadership Program at Oxford.

CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

GLOBAL CAPITALIZATION

Capitalization Table

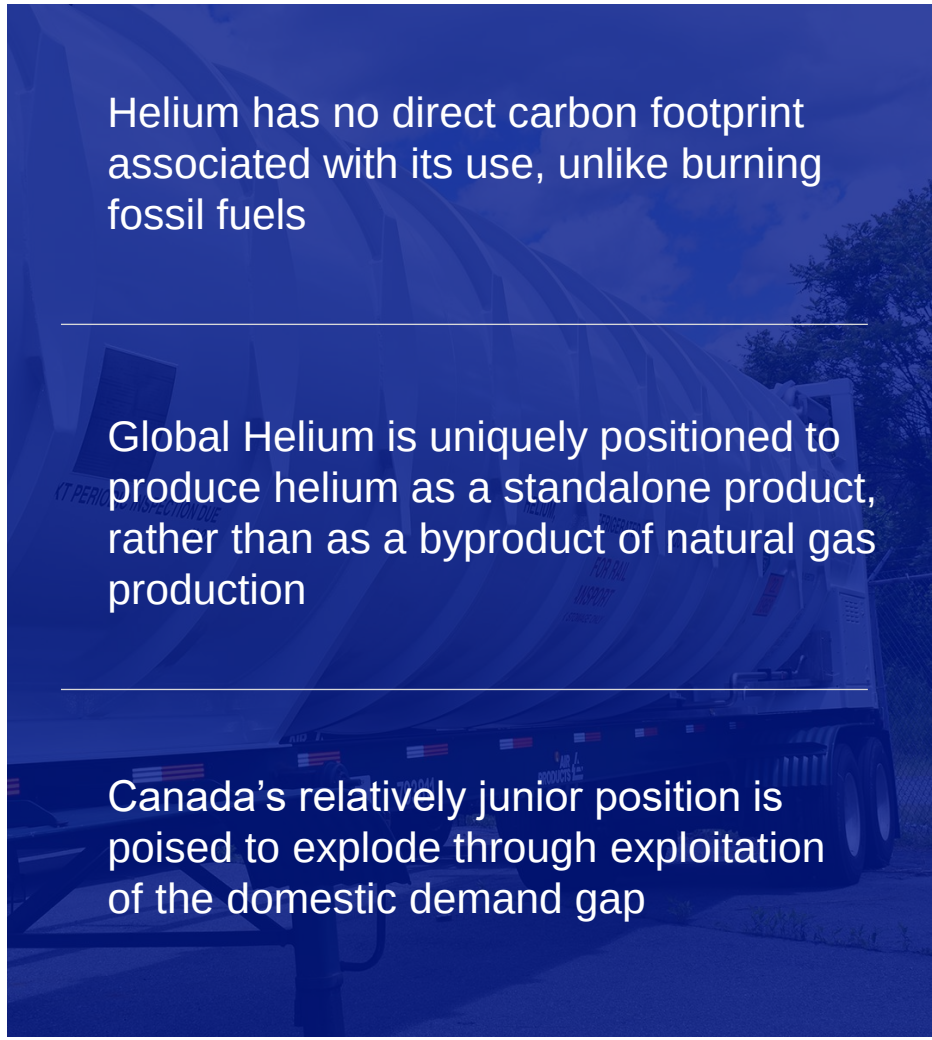
	Shares
CURRENT ISSUED AND OUTSTANDING (August 2022)	**46,536,060**
ADDITIONAL – FULLY DILUTED:	
Warrants	**38,191,170**
$0.25 16,915,600 expiring May 2023	
$0.42 1,562,500 expiring May 2025	
$1.00 19,713,070 expiring October 2023	
Stock Options	**4,210,000**
	42,731,170
TOTAL FULLY DILUTED	**88,937,230**
Fully Diluted Funds Available: (Current Cash Balance incl. all Warrants Exercised, excludes Options)	**$27,798,220**

CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

SUMMARY

The helium opportunity is right now

- Helium is a unique, special and scarce element and is experiencing both demonstrated supply shortages and demand growth
- **A "helium supply boom" is underway** to explore for North American sources, due to significant underinvestment over decades
- Current supply growth for helium is occurring in politically unstable areas (Qatar, Russia) that have difficulty supplying North America
- **A "helium demand boom" is underway** in high-growth tech and relatively price-insensitive industrial sectors where helium supply security is desperately sought
- The **highly experienced Global Helium Team** has assembled a massive land-base in a proven helium region where data is plentiful, and risks are lower



Helium has no direct carbon footprint associated with its use, unlike burning fossil fuels

Global Helium is uniquely positioned to produce helium as a standalone product, rather than as a byproduct of natural gas production

Canada's relatively junior position is poised to explode through exploitation of the domestic demand gap

CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

CONTACT US:

relations@globalhelium.com
+1 (877) 816-8163

CSE: HECO

OTC: HECOF

APPENDIX

CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.

HELIUM'S NORTH AMERICAN HISTORY

The USA built the world's only helium reserve, then they sold it at below market prices…

1925 – The Helium Act of 1925 authorized the **Bureau of Mines ("BLM")** to build and operate six helium plants.

1960 – In 1960, Congress changed the federal government's role **from producer to conservator** and contracted with natural gas producers to sell crude helium to the federal government for storage.

1996 – In 1996, Congress approved the Helium Privatization Act, ordering the U.S. government to sell off most of the 29 Bcf of Helium reserves. **BLM sets prices average $40-$70/mcf, designed to pay down BLM debt – not tied to market price**

2013 – **In 2013** - Congress approved the Helium Stewardship Act, to auction off and turn over all remaining helium assets, including the remainder of the federal stockpile, to private industry.

BLM increases price to $84/mcf

2015 – **In 2015, the Global Helium team set out** to become technical experts and build downstream relationships, based upon the "shrinking supply" and "growing demand" opportunity. The team was self-funded and received multiple offtake commitment letters in addition to securing a significant land base.

2018 – In 2018 Final BLM helium sale**. Prices for bulk helium reach almost $300/mcf**

2021 – **Federal Helium storage** remaining in the US is estimated to be **only 2.5 Bcf in October 2021, all of which is exclusively reserved for US government usage.**

2021 – September 30, 2021 **BLM will no longer manage a Federal Helium Reserve** – **none is accessible to private buyers.**

The world's only Helium reserve was sold off, at below market prices. Global Helium intends to fill the void

CSE: HECO | OTC: HECOF | © COPYRIGHT 2023 GLOBAL HELIUM. ALL RIGHTS RESERVED.