



**NEW ERA**  
**HELIUM CORP**

January 2024

INVESTOR  
PRESENTATION

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# Disclaimer

## Industry and Market Data

In this Presentation, we rely on and refer to information and statistics regarding market participants in the sectors in which New Era competes and other industry data. We obtained this information and statistics from third-party sources, including reports by market research firms and company filings.

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The financial information and data contained in this Presentation is unaudited and does not conform to Regulation S-X. Accordingly, such information and data may not be included in, may be adjusted in or may be presented differently in, any proxy statement/prospectus or registration statement to be filed by ROCL with the SEC, and such differences may be material. In particular, all New Era projected financial information included herein is preliminary and subject to risks and uncertainties. Any variation between New Era's actual results and the projected financial information included herein may be material. This presentation also contains non-GAAP financial measures and key metrics relating to the combined company's projected future performance. A reconciliation of these non-GAAP financial measures to the corresponding GAAP measures on a forward-looking basis is not available because the various reconciling items are difficult to predict and subject to constant change.

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## Important Information About the Proposed Business Combination and Where to Find It

In connection with the Proposed Business Combination, ROCL intends to file with the SEC a registration statement on Form S-4, which will include a proxy statement to be sent to ROCL stockholders and a prospectus for the registration of ROCL securities (as amended from time to time, the "Registration Statement"). A full description of the terms of the Proposed Business Combination is expected to be provided in the Registration Statement. ROCL urges investors, stockholders and other interested persons to read, when available, the Registration Statement as well as other documents filed with the SEC because these documents will contain important information about ROCL, New Era and the Proposed Business Combination. If and when the Registration Statement is declared effective by the SEC, the definitive proxy statement/prospectus and other relevant documents will be mailed to stockholders of ROCL as of a record date to be established for voting on the Proposed Business Combination. Stockholders and other interested persons will also be able to obtain a copy of the proxy statement, without charge, by directing a request to: Roth CH Acquisition V Co., 888 San Clemente Drive, Suite 400, Newport Beach, CA 92660. The preliminary and definitive proxy statement/prospectus, once available, can also be obtained, without charge, at the SEC's website ([www.sec.gov](http://www.sec.gov)). The information contained on, or that may be accessed through, the websites referenced in this Presentation is not incorporated by reference into, and is not a part of, this Report.

## Participants in the Solicitation

ROCL, New Era and their respective directors and executive officers may be considered participants in the solicitation of proxies with respect to the Proposed Business Combination described herein under the rules of the SEC. Information about such persons and a description of their interests will be contained in the Registration Statement when it is filed with the SEC. These documents can be obtained free of charge from the sources indicated above.

# Forward Looking Statements

This Presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 including, but not limited to, ROCL's and New Era's expectations or predictions of future financial or business performance or conditions. Forward-looking statements are inherently subject to risks, uncertainties and assumptions. Generally, statements that are not historical facts, including statements concerning possible or assumed future actions, business strategies, events or results of operations, are forward-looking statements. These statements may be preceded by, followed by or include the words "believes," "estimates," "expects," "projects," "forecasts," "may," "will," "should," "seeks," "plans," "scheduled," "anticipates," "intends," or similar expressions. Such forward-looking statements involve risks and uncertainties that may cause actual events, results or performance to differ materially from those indicated by such statements. Certain of these risks are identified and discussed in ROCL's final prospectus for its initial public offering, filed with the SEC on December 2, 2021, under the heading "Risk Factors." These risk factors will be important to consider in determining future results and should be reviewed in their entirety. These forward-looking statements are expressed in good faith, and ROCL and New Era believe there is a reasonable basis for them. However, there can be no assurance that the events, results or trends identified in these forward-looking statements will occur or be achieved. Forward-looking statements speak only as of the date they are made, and neither ROCL nor New Era is under any obligation, and expressly disclaim any obligation, to update, alter or otherwise revise any forward-looking statement, whether as a result of new information, future events or otherwise, except as required by law.

In addition to factors previously disclosed in ROCL's reports filed with the SEC and those identified elsewhere in this Presentation, the following factors, among others, could cause actual results to differ materially from forward-looking statements or historical performance: (i) expectations regarding New Era's strategies and future financial performance, including its future business plans or objectives, prospective performance and opportunities and competitors, revenues, products and services, pricing, operating expenses, market trends, liquidity, cash flows and uses of cash, capital expenditures, and New Era's ability to invest in growth initiatives and pursue acquisition opportunities; (ii) the occurrence of any event, change or other circumstances that could give rise to the termination of the Merger Agreement; (iii) the outcome of any legal proceedings that may be instituted against ROCL or New Era following announcement of the Proposed Business Combination and the transactions contemplated thereby; (iv) the inability to complete the Proposed Business Combination due to, among other things, the failure to obtain ROCL stockholder approval on the expected terms and schedule, as well as the risk that regulatory approvals required for the Proposed Business Combination are not obtained or are obtained subject to conditions that are not anticipated; (v) the failure to meet the minimum cash requirements of the Merger Agreement due to ROCL stockholder redemptions and the failure to obtain replacement financing; the inability to complete the concurrent PIPE; (vi) the risk that the Proposed Business Combination or another business combination may not be completed by ROCL's business combination deadline and the potential failure to obtain an extension of the business combination deadline; (vii) the risk that the announcement and consummation of the Proposed Business Combination disrupts New Era's current operations and future plans; (viii) the ability to recognize the anticipated benefits of the Proposed Business Combination; (ix) unexpected costs related to the Proposed Business Combination; (x) the amount of any redemptions by existing holders of the ROCL common stock being greater than expected; (xi) limited liquidity and trading of ROCL's securities; (xii) the inability to obtain or maintain the listing of the combined company's common stock on Nasdaq following the Proposed Business Combination, including but not limited to the failure to meet Nasdaq's initial listing standards in connection with the consummation of the Proposed Business Combination; (xiii) geopolitical risk and changes in applicable laws or regulations; (xiv) the possibility that ROCL and/or New Era may be adversely affected by other economic, business, and/or competitive factors; (xv) operational risk; (xvi) risk that the COVID-19 pandemic, and local, state, and federal responses to addressing the pandemic may have an adverse effect on our business operations, as well as our financial condition and results of operations; and (xvii) the risks that the consummation of the Proposed Business Combination is substantially delayed or does not occur.

Any financial projections in this Presentation are forward-looking statements that are based on assumptions that are inherently subject to significant uncertainties and contingencies, many of which are beyond ROCL's and New Era's control. While all projections are necessarily speculative, ROCL and New Era believe that the preparation of prospective financial information involves increasingly higher levels of uncertainty the further out the projection extends from the date of preparation. The assumptions and estimates underlying the projected results are inherently uncertain and are subject to a wide variety of significant business, economic and competitive risks and uncertainties that could cause actual results to differ materially from those contained in the projections. The inclusion of projections in this Presentation should not be regarded as an indication that ROCL and New Era, or their representatives, considered or consider the projections to be a reliable prediction of future events.

Annualized, pro forma, projected and estimated numbers are used for illustrative purpose only, are not forecasts and may not reflect actual results.

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# Glossary of Abbreviations

**BBL:** Barrels (equal to 42 US gallons)

**BBL/D:** Barrels per day

**BCF:** Billions of cubic feet

**BCFE:** Billions of cubic feet equivalent

**BOE:** Barrels of oil equivalent (1 barrel of oil or 6,000 cubic feet of natural gas)

**CAGR:** Compound annual growth rate

**G&A:** General and administrative expenses

**LOE:** Lease operating expense

**MBOE:** Thousands of barrels of oil equivalent

**MCF:** Thousands of cubic feet

**MCFE:** Thousands of cubic feet of natural gas equivalent (6,000 cubic feet of natural gas or 1 barrel of oil)

**MCF/D:** Thousands of cubic feet per day

**MMBOE:** Millions of barrels of oil equivalent

**MM:** Millions

**MMCF:** Millions of cubic feet

**MMCF/D:** Millions of cubic feet per day

**MMCFE:** Millions of cubic feet equivalent

**MMCFE/D:** Millions of cubic feet equivalent per day

**MMCF p.a.:** Millions of cubic feet per annum

**MMSCF/yr:** Millions of standard cubic feet per year

**MOL%:** Mole percent

**NGL:** Natural gas liquid

**SCF:** Standard cubic feet

**SCF/D:** Standard cubic feet per day

**SCF/yr:** Standard cubic feet per year

**WI:** Working interest

# Overview of Roth CH Acquisition Co.

## ROCL Overview

### ROCL

- Roth CH Acquisition V Co. ("Roth CH" or "ROCL") completed its IPO in December 2021 and currently has ~\$16 million cash in trust
- The Roth CH team is composed of proven operators and capital markets professionals who have long-standing relationships with leading institutional and private investors

### Unique Experience

- The Roth CH team are serial SPAC sponsors and have successfully completed multiple prior SPAC business combinations with growth-stage companies
- In addition to serving as SPAC sponsors, the Roth CH team has been active in all roles of the SPAC process—from formation, to capital raising, to aftermarket advisory services
- Since 2020, the Roth CH team has completed four business combinations serving as sponsors, helped raise over \$1 billion in SPAC financings, and advised on numerous others

### The Roth CH Advantage

- The Roth CH team seeks to leverage the extensive history and successful track record of two leading growth investment banks (Roth Capital Partners and Craig-Hallum Capital Group) by utilizing its combined full-service investment banking platforms and its dedicated SPAC teams to bring a compelling growth company to the market
- In its position, the team has a unique ability to drive value and support beyond a business combination with dedicated and industry specific aftermarket support

## The Roth CH Team

- The RothCH team is a highly experienced sponsor with extensive SPAC transaction experience

- **Byron Roth, Co-CEO and Co-Chairman**



- Mr. Roth has been the Chairman and Chief Executive Officer of Roth since 1998. Under his management the firm has helped raise over \$75 billion for small-cap companies, as well as advising on many merger and acquisition transactions

- **John Lipman, Co-CEO and Co-Chairman**



- Mr. Lipman is a Partner and Managing Director of Investment Banking at Craig-Hallum. Mr. Lipman joined Craig-Hallum in 2012 and has more than 18 years of investment banking experience completing over 150 financings for growth companies

Deep Management team comprised of individuals from Roth Capital Partners, LLC and Craig-Hallum Capital Group



# What ROCL Likes About New Era



Helium, An Undersupplied Mission Critical Element

Globally scarce industrial gas commodity, utilized in rapidly growing high tech markets



A U.S. Platform for Growth & Consolidation

US-Listed, North American helium platform positioned to consolidate a fragmented industry



Experienced Executive Team and Board

Experienced executive team and board, with expertise in both helium and conventional gas development



Proved Reserves as a Differentiator

Proved (not prospective) helium resource strategically located in Southeastern New Mexico in the Permian Basin



Secured Long-Term Helium Offtake

Secured two (2) 10-year take-or-pay offtake agreements with international helium buyers (estimated \$113 million<sup>(1)</sup> helium revenue generation)



Vertical Integration of the Helium Supply Chain

Vertically integrated, scalable helium operation with a focus on producing Responsibly Sourced Gas (RSG) and Responsibly Sourced Helium™ (RSH™)<sup>(2)</sup>

(1) Helium revenues are net of royalties, transportation and tolling services. Estimates are prepared by New Era Helium management

(2) Responsibly Sourced Helium and RSH are trademarked by New Era Helium

# SPAC Transaction Overview

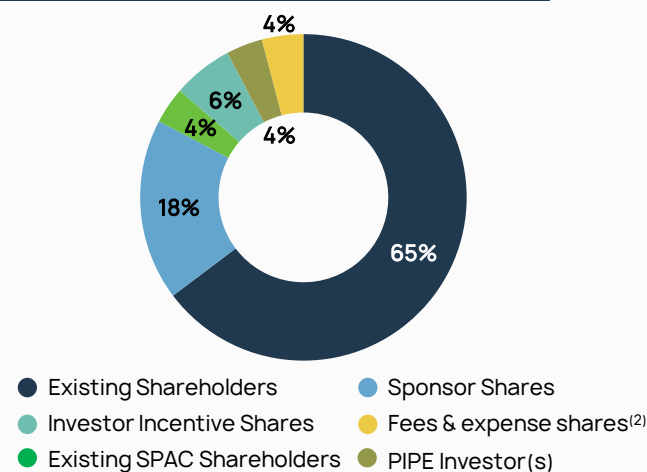
## Pro forma capitalization

In millions, except per share data

Shares outstanding	13.9
Price per share	\$10.00
<b>Equity value</b>	<b>\$139.1</b>
(-) Cash to balance sheet	\$49.2
(+) Debt <sup>(1)</sup>	\$45.0
<b>Enterprise value</b>	<b>\$134.9</b>

## Pro forma ownership

Existing Shareholders <sup>(2)</sup>	9.0
Sponsor Shares	2.5
Existing SPAC Shareholders	0.5
Investor Incentive Shares	0.8
PIPE Investor(s)	0.5
Fees & Expenses <sup>(3)</sup>	0.6
<b>Total shares</b>	<b>13.9</b>



## Sources

New Era Helium equity rollover	\$90.0
New Era Helium project financing <sup>(1)</sup>	\$45.0
Cash remaining in trust	\$5.0
PIPE – Equity	\$5.0
<b>Total sources</b>	<b>\$145.0</b>

## Uses

New Era Helium equity rollover	\$90.0
Helium processing plant, gathering system and production enhancements	\$45.0
Cash to balance sheet	\$8.2
Est. fees and expenses	\$1.8
<b>Total uses</b>	<b>\$145.0</b>

(1) Project financing is in process and is anticipated to close separate and prior to the SPAC transaction.

(2) In addition to the 9,000,000 common shares to be issued to the existing shareholders, such existing shareholders shall have the right to receive up to: (i) 500,000 additional common shares if the Company meets or exceeds a total EBITDA of \$25.2 million based on the audited financial statements for the year ended December 31, 2025; and (ii) 500,000 if the trading price per share of the Company is above \$12.50 for 20 trading days during any consecutive 30 trading days.

(3) Assumes that in lieu of cash payment, certain transaction fees and expenses are paid in shares of common stock of the new company at close of the business combination

# Company Overview

New Era Helium Corp. is a **helium exploration and production company** that sources helium from the Pecos Slope field located in Southeastern New Mexico in the Permian Basin. New Era has secured long-term **offtake agreements** (take-or-pay, fully-committed volumes) with two major **international helium buyers** that represent an estimated \$113 million<sup>(1)</sup> of helium revenues over the life of the contracts.<sup>(2)</sup>



**137k**  
Gross Acres  
(HBP)

Unique Permian Basin asset  
that was discovered in 1977



**~\$113MM**  
Helium Revenue  
Commitments<sup>(1)</sup>

Two (2) 10-year helium sales  
agreements in place with  
international helium buyers

**400+**

Operated wells with  
commercial He qty.

Producing helium and natural  
gas, today, in the Permian  
Basin

**\$135MM**

Proved + Probable NPV-  
10<sup>(3)</sup>

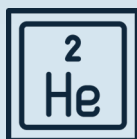
Third-Party Validated Proven  
& Probable Reserves (Not  
Prospective)

## Key Highlights

- 400+ operated producing wells with average working interest (WI) of 93.7% ownership
  - Helium with natural gas and natural gas liquid (NGL)'s as a byproduct
- Long-lived helium production out of the prolific Pecos Slope Gas field (via the Abo formation); producing conventionally since the late 1970's
- Vertically integrated helium extraction company (upstream, midstream, and downstream) with proven (not prospective) reserves and long-term, secured offtake agreements
- Two 10-year take-or-pay offtake agreements in place with major Tier-1 and Tier-2 international helium buyers
- Helium recovery plant construction commenced in Q3 2023; estimated completion in late Q4 2024 and anticipate 20 gross MMCFE/D of inlet natural gas
- Long-term tolling agreement with Keyes Helium to liquefy 50% of the Plant's throughput for a Tier-2 international helium customer

(1) Helium revenues are net of royalties, transportation and tolling services. Estimates are prepared by New Era Helium management.  
(2) Assumes helium pricing at market rates confidentially negotiated; is not inclusive with revenue of natural gas or natural gas liquid (NGL).  
(3) Gross proved and probable reserves independently prepared by MKM Engineering as of July 2023.

# New Era At a Glance

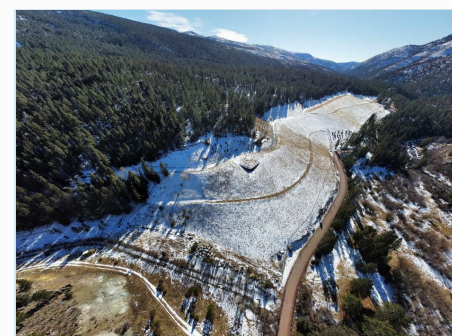


**4.9**  
MMCF/D<sup>(1)</sup>

Producing helium and natural gas in the Permian Basin



Permian Basin: Strategic location for helium production



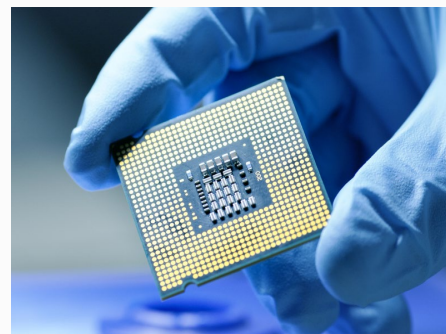
**32.0**  
MMCF p.a.

Two (2) 10-year helium sales agreements in place with major helium buyers



LATE  
**4Q24**

First operations expected for Phase I



**3-stream**  
(He, Nat Gas,  
Natural Gas Liquid)  
Revenue generation derived from three streams



**2 BCF**

2P Helium Reserves <sup>(2)</sup>

Substantial reserve base with high-purity helium



Key strategic partnerships



**~1.6%**

Est. North American He Market Share<sup>(3)</sup>

Plant capacity will represent ~2% of the North American helium market and growing

(1) Includes gross daily production of natural gas and NGL; includes helium concentration that does not contribute to revenue.

(2) Gross proved and probable reserves as prepared by MKM Engineering as of July 2023. NEH engaged MKM Engineering as an independent reserve auditor to prepare the report. Neither the engagement nor the compensation is contingent on results or future production rates for the subject properties.

(3) Kornbluth Helium Consulting, LLC.

# Leadership



**Joel G. Solis**  
Co-Founder &  
Chairman

Years of experience: 35 years

#### Background:

- Founder of Solis Partners, LLC, which is a wholly-owned subsidiary of New Era Helium
- Mr. Solis is an oil and gas investor and oilfield services entrepreneur who has founded and built over 30 years within well services and fluid management in Odessa, Texas.

#### Prior Company Experience:



**E. Will Gray II**  
Co-Founder, CEO &  
Director

Years of experience: 19 years

#### Background:

- Co-Founder of New Era Helium and partner at Solis Partners, LLC.
- Mr. Gray has oil and gas experience spanning 19 years, having directly operated over 950 wells located in New Mexico, Texas, and Oklahoma since 2005. Mr. Gray has a specialization in conventional oil and gas assets

#### Prior Company Experience:



**Michael J Rugen**  
Chief Financial  
Officer

Years of experience: 40 years

#### Background:

- CFO of New Era Helium.
- Mr. Rugen, CPA has 40 yrs experience in executive positions in finance primarily in E&P and oilfield services companies. Mr. Rugen was previously the CFO of Riley Exploration Permian, Inc., a NYSE American listed Permian Basin oil and gas company and CFO/Interim CEO of Tensasco, Inc, its predecessor.

#### Prior Company Experience:



**Phil Kornbluth**  
Pending Board  
Member

Years of experience: 41 years

#### Background:

- Pending Board Member of New Era Helium.
- President of Kornbluth Helium Consulting, LLC and developed supply agreements with ExxonMobil, Encana, Polish Oil & Gas Company, Rasgas, Gazprom & ConocoPhillips

#### Prior Company Experience:





## Unique Properties of Helium

- Colorless, odorless, tasteless gas
- Chemically and Radiologically inert – Helium is non-reactive and does not become radioactive
- Second lightest element & second smallest molecule
  - Lightest & smallest that does not burn
- Helium has the lowest condensation point of any element
  - -452.2 degrees F, -269 degrees C, 4.2 degrees K
  - Liquid Helium is the coldest substance on the planet
- Helium remains liquid even at absolute zero
- Gaseous Helium has a very high specific heat and thermal conductivity





95% of the world's helium production is associated with the production of natural gas<sup>(1)</sup>. Helium is a non-renewable noble gas primarily obtained through the extraction and processing of natural gas reservoirs, where it is a byproduct, and plays a crucial role in various industrial applications.



Increasingly used in high tech applications – semiconductors, MRI, optical fiber, aerospace

~47%

of effective capacity  
(7 of 16 plants) in the  
U.S.

~31%

of global demand  
In the U.S.

~15%

of global demand in  
China, #2 & fastest  
growing

2-4% p.a.

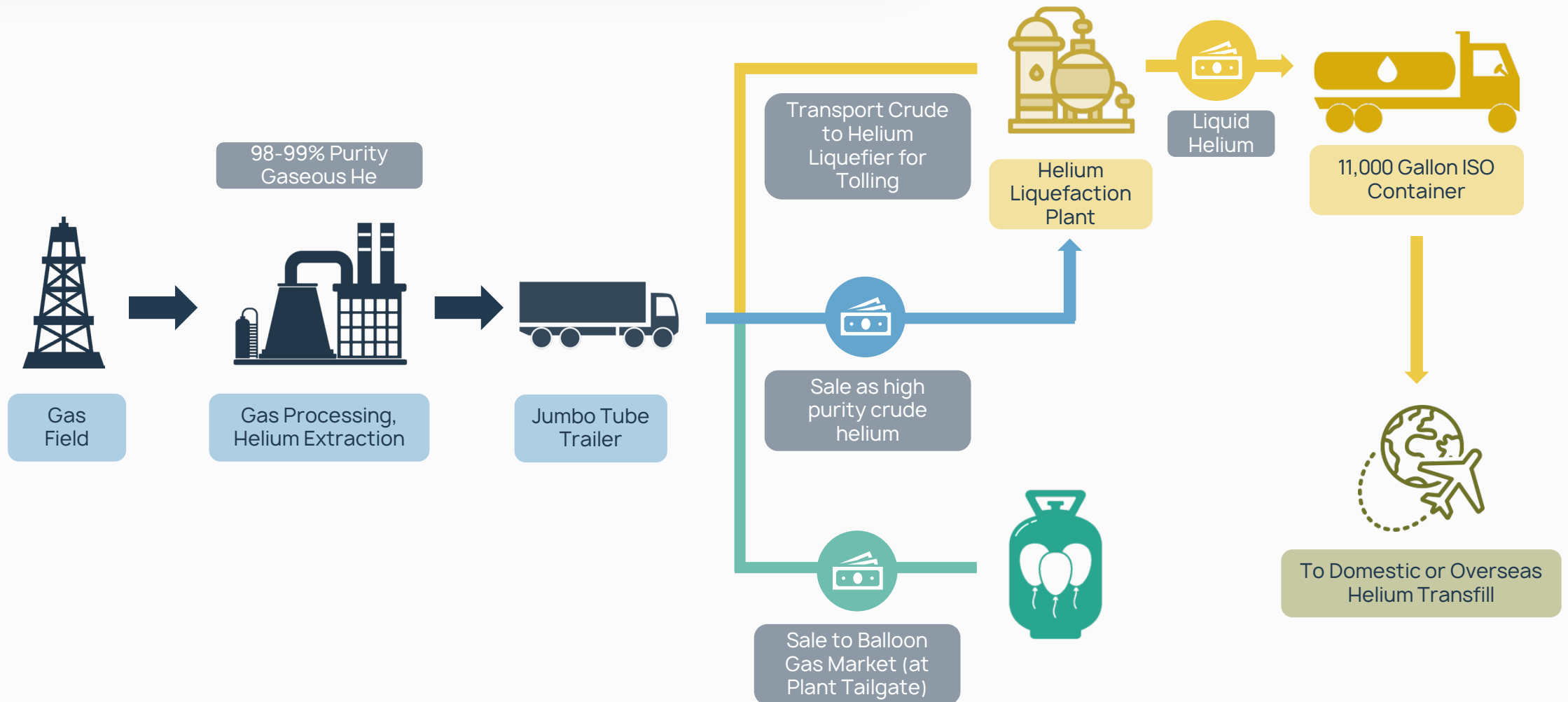
Expected volume  
CAGR 2021-2025 <sup>(1)</sup>

- \$6-7 billion international helium market at the end-user level<sup>(1)</sup>
- Helium usually trades in USD at the wholesale level
- Electronics has/will surpass MRI as the #1 application
- Helium business is extremely "opaque"; it is not publicly traded with volume/price agreements negotiated privately

Helium business is an "oligopoly" led by 5 large multinational industrial gas companies ("Helium Customers"):

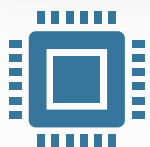


# Typical Path to He Monetization



# Helium Applications in High-Growth Sectors

## Mission Critical Applications



### Technology Manufacturing

- ✓ Semiconductor manufacturing
- ✓ LCD Panels
- ✓ Fiber optics cables



### Aerospace & Defense

- ✓ Space Exploration
- ✓ Fuel Purging Systems
- ✓ Defense and Rocket Guidance Systems



### Healthcare & Life Sciences

- ✓ MRI Scanners
- ✓ Helium-ion microscopes
- ✓ Laser eye surgery
- ✓ Cryogenics



### Industrial Uses

- ✓ Welding, shield masks
- ✓ Gas leak detection
- ✓ Nuclear reactor coolant
- ✓ Crystal growth

## Attractive Demand Growth Drivers

- **Semiconductor Manufacturing:** Helium is crucial in semiconductor manufacturing due to its unique properties as an inert gas and high thermal conductor and serves various functions throughout the manufacturing process, with limited substitutes.<sup>(1)</sup>
- **Space and Defense:** Helium is used in liquid fueled rockets and in critical processes during lift-off, including separation of hot gases and ultra-cold liquids. National defense applications include rocket engine testing, scientific balloons, surveillance crafts, air-to-air missile guidance systems, and more.<sup>(2)</sup>
- **Life Sciences and Technology:** 30% of helium is used in healthcare mainly magnetic resonance imaging (MRI), 17% in analytical and laboratory applications, and 6% in engineering and scientific applications.<sup>(3)</sup>
- **Cryogenics:** Liquid helium's ability for extreme cooling allows them to act as a cryogenic agent for cooling various materials in many applications including precision welding applications, MRI machines, and lab use.<sup>(4)(5)</sup>

(1) Semiconductor Industry Association (SIA) to the U.S. Geological Survey (USGS) on Helium Supply Risk.

(2) U.S. Department of the Interior Bureau of Land Management.

(3) The Institute for Energy Research (IER), Washington D.C.

(4) Siemens Healthineers: *The Liquid Gold of MRI*.

(5) NASA: *NASA Awards Agency-wide Helium Contract*.

# Global Helium Shortages<sup>(1)</sup>

Logistical, geopolitical risks & supply chain disruptions caused significant helium shortage events

## Shortage 1.0 (2006-2008)

Depletion of the BLM's (Bureau of Land Management) reserves <sup>(2)</sup>

## Shortage 2.0 (2011-2013)

Outages at BLM's Helium Enrichment Unit  
Outages at Exxon's Wyoming Unit  
Production shortfalls in Qatar

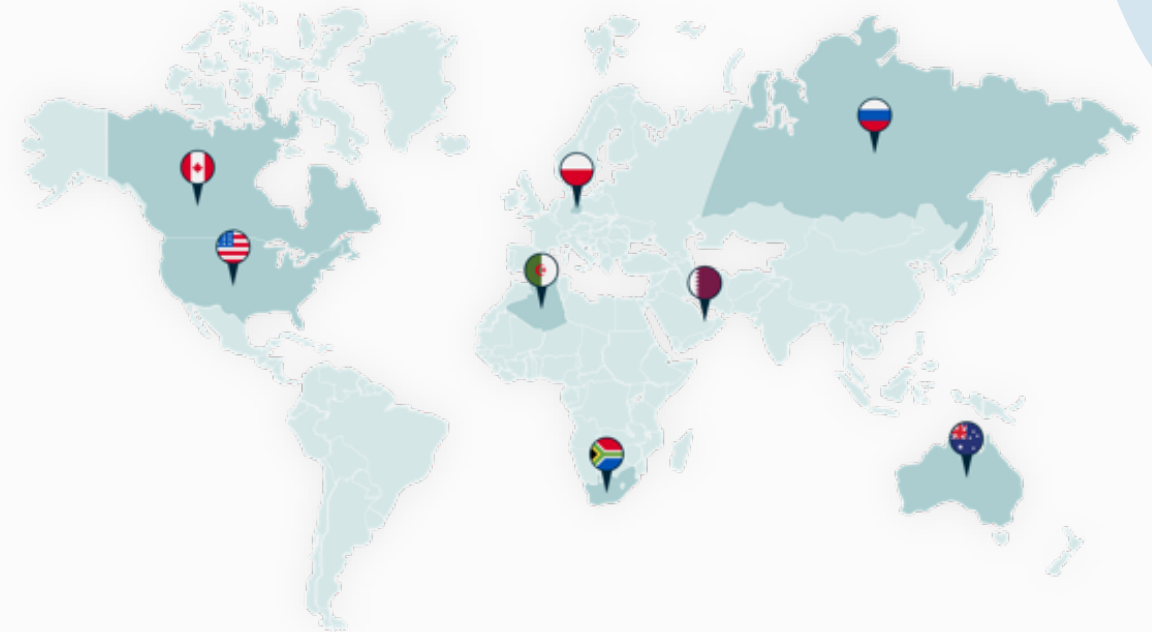
## Shortage 3.0 (2018-2020)

Loss of capacity from the BLM  
Production shortfalls in Algeria  
Maintenance outages

## Shortage 4.0 (2022-Present)

BLM outage  
Delayed production from Gazprom  
Maintenance outages

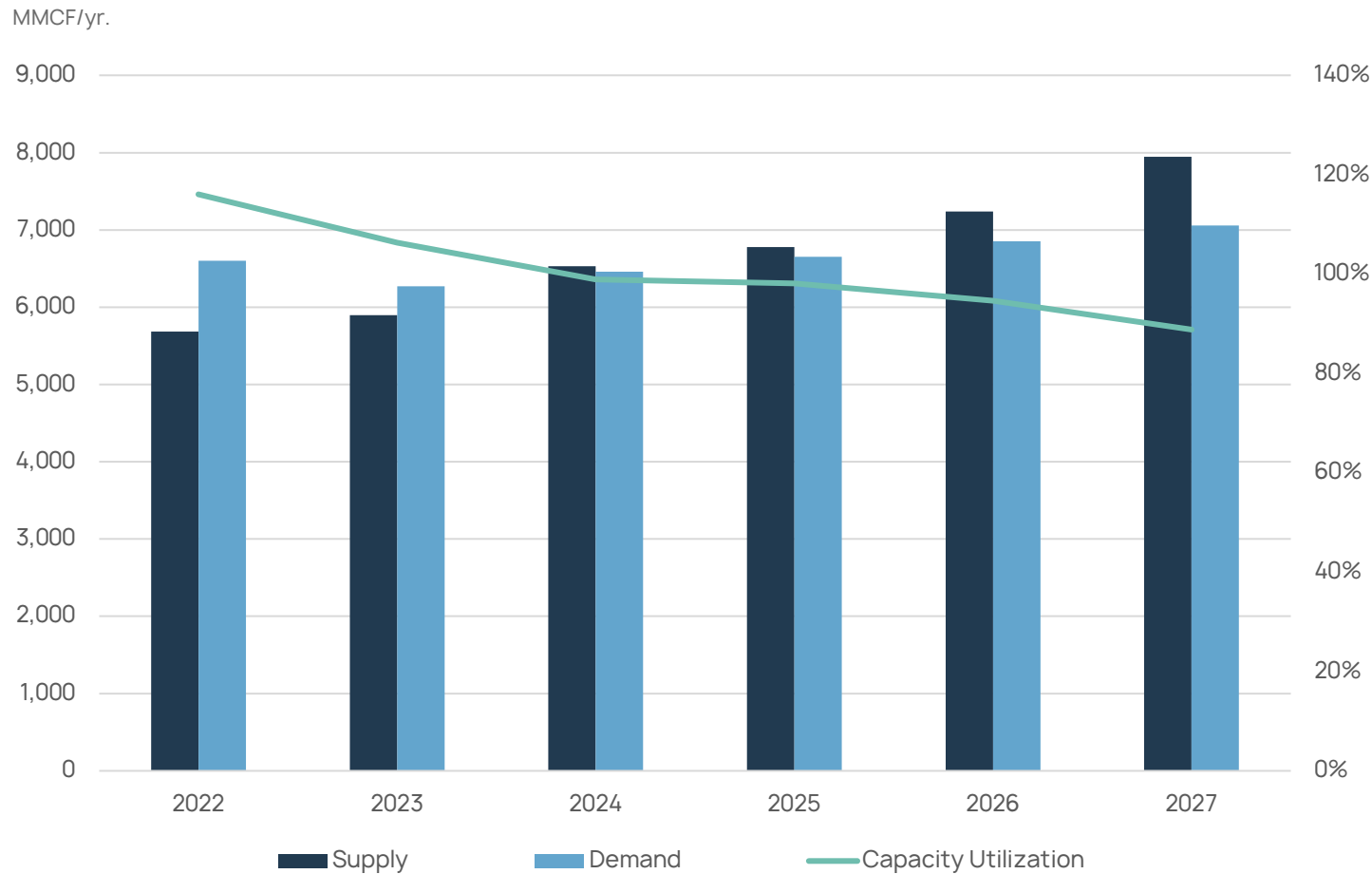
## Helium Sources Worldwide



(1) Kornbluth Helium Consulting, LLC

(2) The Bureau of Land Management is an agency within the United States Department of Interior responsible for administering U.S. federal lands. Headquartered in Washington, D.C., the BLM oversees more than 247.3 million acres of land, or one-eighth of the United States' total land mass.

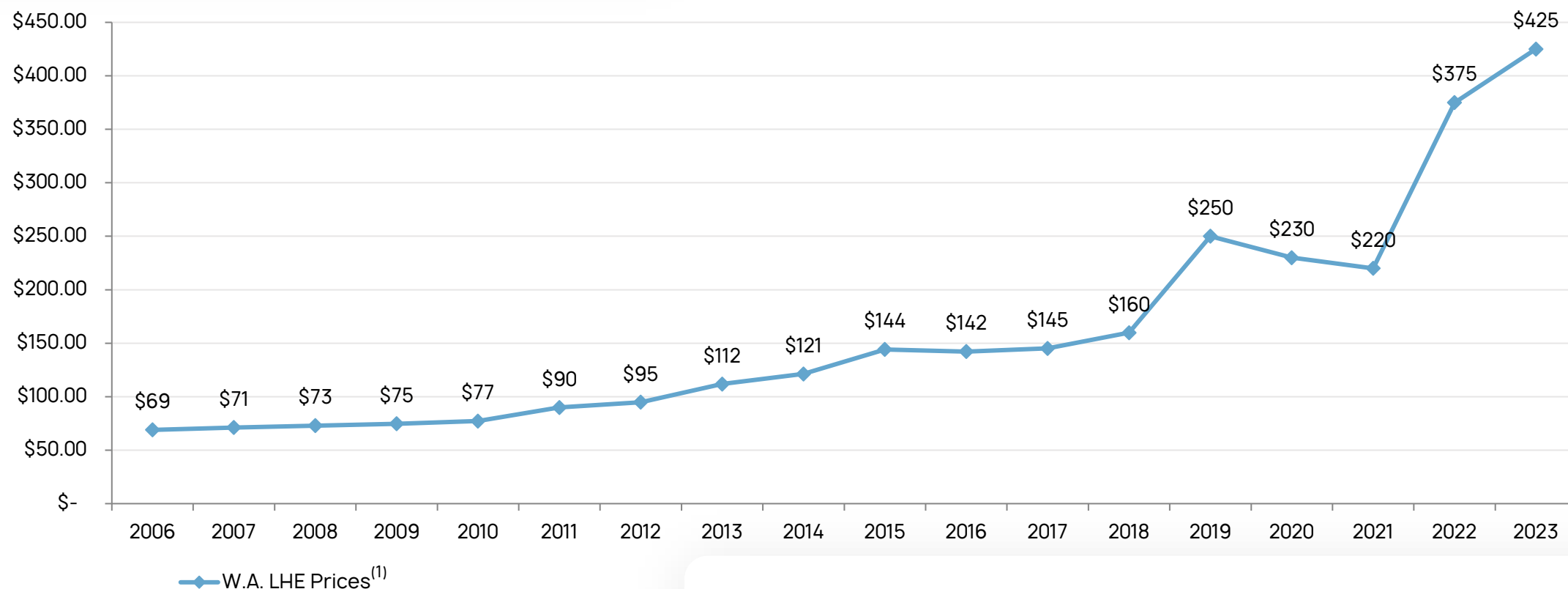
# Helium Supply & Demand Outlook



New Era's Existing long-term offtake agreements and contractual floor prices **mitigate risk** of future oversupply

- Helium Shortage 4.0 expected to wind down in 2024 as new supply from Russia enters the market
- Market remains tight through 2025
- More plentiful supply expected by 2027 if Russian supply ramps up and new supply from Qatar enters the market

# Historical Helium Pricing



Within the last two decades, helium prices have increased substantially – and in certain cases **exceed current levels** at the end-user level

Source: Kornbluth Helium Consulting LLC

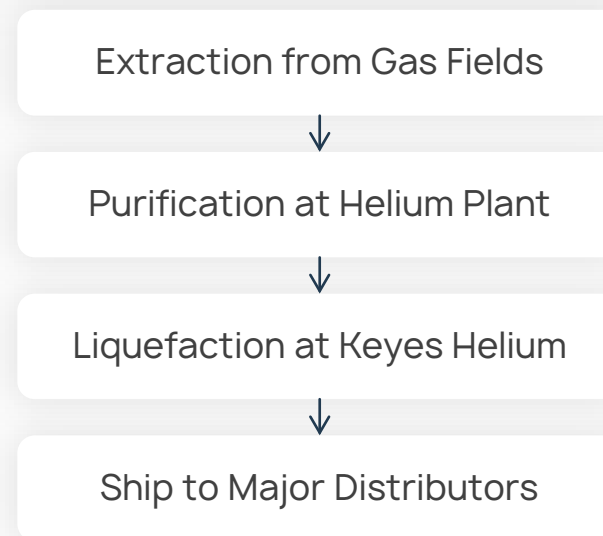
(1) Prices represented are the price for bulk liquid helium at the source sold in large quantities (>100MMscf/yr) under long term contracts (>=10 yrs.)

# Helium's Well-Established U.S. Supply Chain will Provide New Era with Global Market Access

## Access to Tier-1 Players



## Established Supply Chain



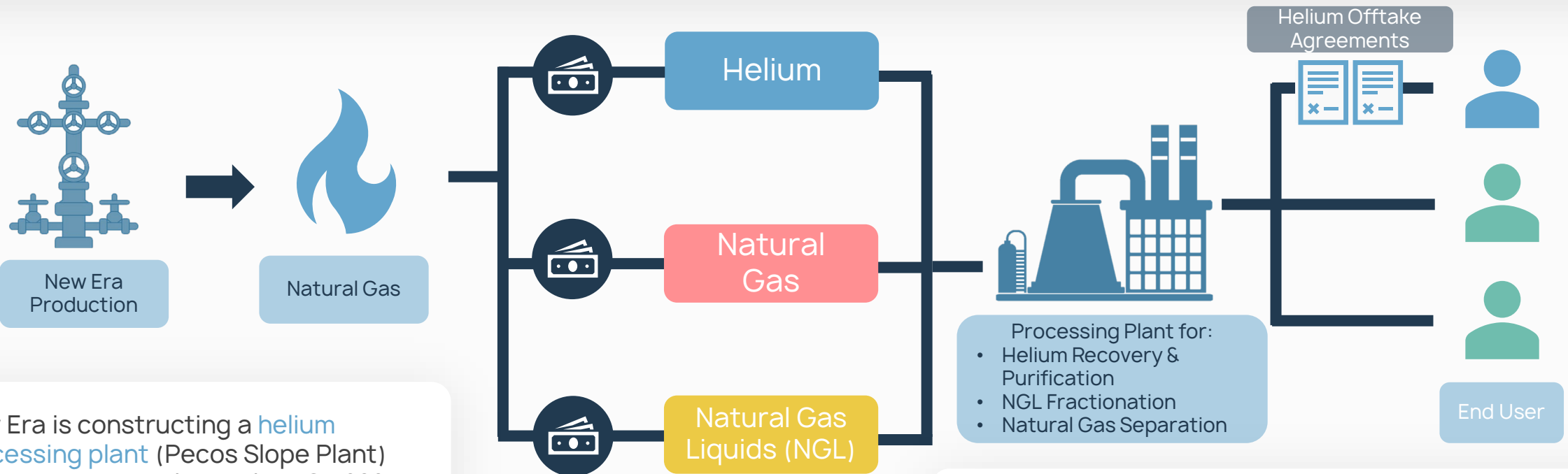
## Reliable Market Supplier

- New Era has a reliable supply of helium available for processing.
- The Pecos Slope Plant in Southeastern New Mexico in the Permian Basin allows New Era to produce gaseous helium for sale to major players or liquefaction.
- Large helium distributors have an existing network to ship New Era's helium to global markets.

Helium has been listed on the [critical materials list](#) of major economies such as the United States, the European Union, and mainland China because it is at high risk of supply shortages.<sup>(1)</sup> A [helium tolling agreement](#), for liquefied helium, facilitates access to a global market.

(1) IHS Chemical. Helium Economics Handbook (CEH); April 2022

# Robust Helium Supply Chain from Wellhead to Customer

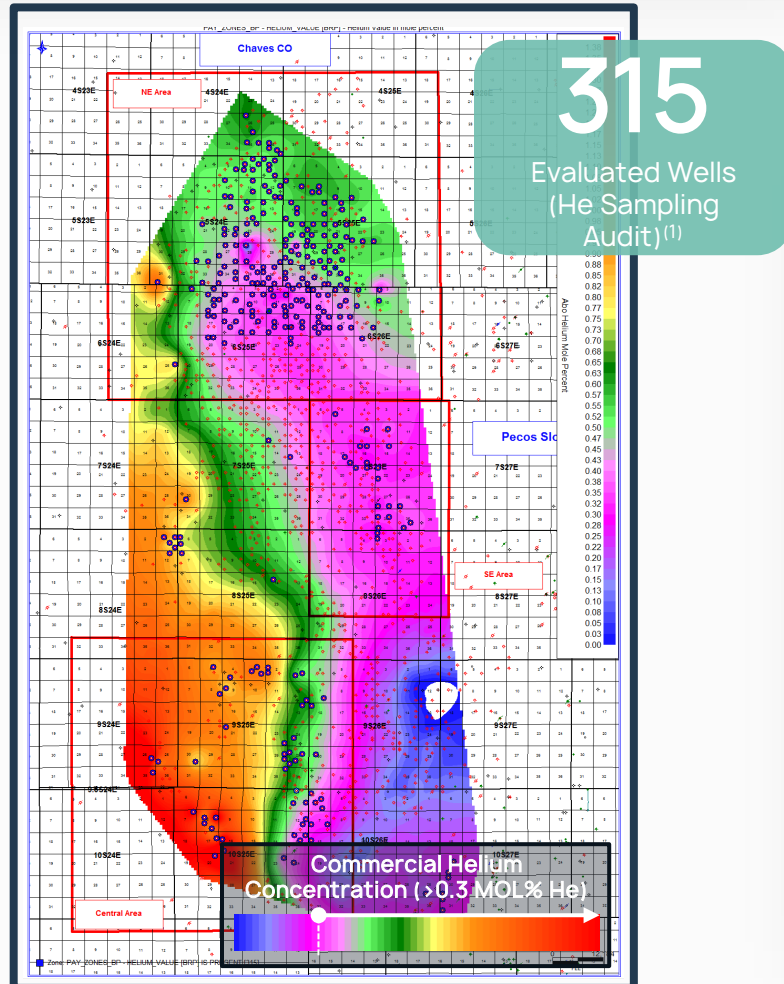


New Era is constructing a [helium processing plant](#) (Pecos Slope Plant) estimated to complete in late Q4 2024.

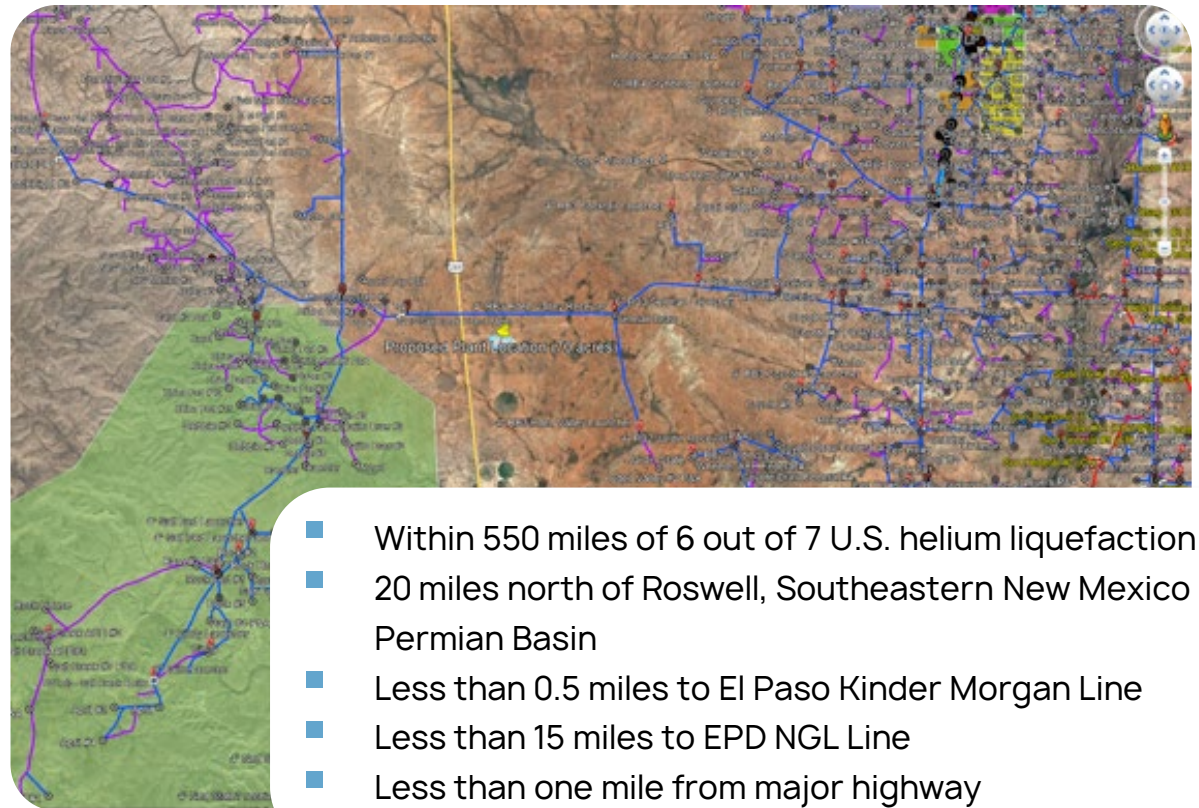
New Era has secured [10-year offtake agreements](#) with two major international helium buyers (Tier-1 and Tier-2)

# Sizeable Resource in a Strategic Locale

## Pecos Slope New Mexico Leasehold (Helium Heat Map)



New Era holds sizeable commercial helium reserves proximal to a mature network of infrastructure



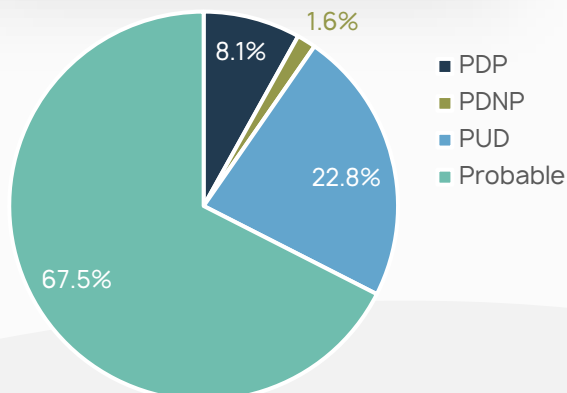
(1) Helium sampling audit performed on 315 wells administered by New Era Helium.

# Proved Reserves Differentiates New Era from Helium Juniors

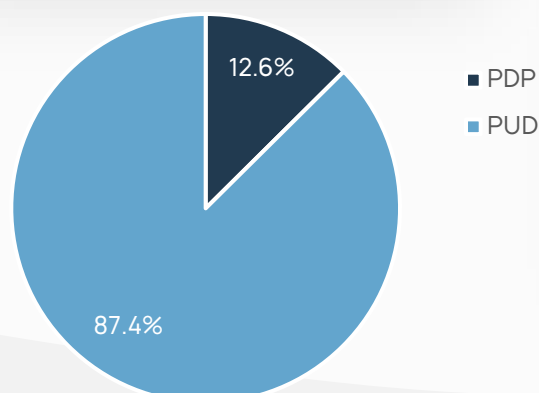
Low-risk helium production, today, via proved (not prospective) reserves

Reserve Category	Net Oil (MBOE)	Net NGL (MBOE)	Net Helium (MMCF)	Net Nat Gas (MMCF)	Total Net (MMCFE)	CAPEX (\$000's)	NonDisc. CF (\$000's)	PV-10 (\$000's)
Proved Developed Producing	33.4	-	-	23,687.4	23,887.6	-	25,717.6	11,716.3
Proved Developed Non-Producing	48.5	-	-	4,371.6	4,662.5	8,000.0	6,431.2	(1,490.9)
Proved Undeveloped	-	4,766.0	483.6	38,416.7	67,496.2	82,177.0	340,766.1	81,475.0
<b>Total Proved</b>	<b>81.8</b>	<b>4,766.0</b>	<b>483.6</b>	<b>66,475.8</b>	<b>96,046.3</b>	<b>\$90,177.0</b>	<b>\$372,914.9</b>	<b>\$91,700.5</b>
Total Probable	-	9,772.4	934.4	139,967.0	199,535.5	251,162.6	718,083.9	43,523.2
<b>Total 2P (Proved + Probable)</b>	<b>81.8</b>	<b>14,538.4</b>	<b>1,418.0</b>	<b>206,442.7</b>	<b>295,581.9</b>	<b>\$341,339.6</b>	<b>\$1,090,998.8</b>	<b>\$135,223.7</b>

2P Reserves by Category



Proved PV-10 by Category



- Contains 1.4 BCF of Proved & Probable helium reserves
- \$135 Million in Proved & Probable PV-10
- \$1.1 Billion in Non-Discounted Cash Flow

# Attractive Long-Term Offtake Agreements in Place with Major Helium Buyers

Helium Offtake Agreements		
Buyer	Agreement #1 Tier 1 Gas Co.	Agreement #2 Tier 2 Gas Co.
Term	10 Years	10 Years
Quantity	50% - 16.4 MMSCF/ yr	50% - 16.4 MMSCF/ yr, plus 100% of Badger Midstream Equity Helium – 4.8 – 8.4 MMSCF/ yr
Mode of Delivery	Bulk Gaseous Helium	Bulk Liquid Helium
Price	Market Rate, Ex Works	Market Rate, Ex Works, Liquefier
Price Adjustment	U.S. CPI	U.S. CPI
Floor Price	~75% - 1 <sup>st</sup> 5 years	70% of Initial Price
Price Reopeners	After Yr 3	After Yr 3
Prepayment	N/A	\$2MM

Tolling Agreement for Production of Liquid Helium	
Tolling Partner	Keyes Helium Company
Tolling Location	Keyes, OK
Term	5 Years, NEH Committed for 3 years
Quantity	1 – 2 MMSCF/mo, as available Firm Capacity for BME Equity Helium
Tolling Fee	Market Rate, Firm thru the Primary Term with an Annual CPI Adjustment
Price Adjustment	U.S. CPI
Loss Factor	Market Rate

# Vertical Integration Allows for Greater Monetization

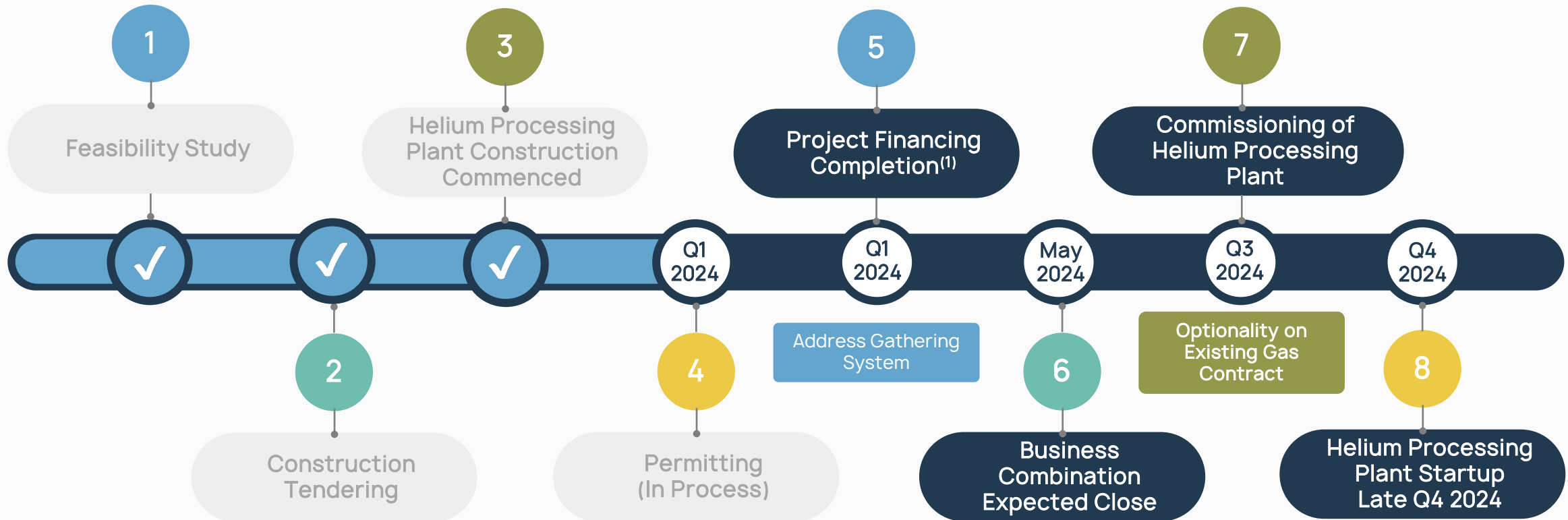


Illustrative 3D rendering of New Era [Pecos Slope Plant](#) currently under construction.

- All natural gas volumes are currently gathered and processed by [IACX Energy](#)
- Completion of the [Pecos Slope Plant](#) in late Q4 2024 vertically integrates production, processing, and midstream takeaway – a [complete helium platform operation](#)
  - Inlet gas volumes: [20 MMCF/D](#)
  - Helium (gaseous) sales volumes: [87.4 SCF/D](#)
  - Sales gas flow rate: [15.7 MMCF/D](#)
  - NGL flow rate: [~1,070 BBL/D](#)
  - Off spec fuel gas flow rate: [~2.6 MMCF/D](#)
- Midstream gathering system (new build in mid Q1 2024)
- With a National Exchange Listing, the Company is positioned to aggregate additional assets within North America

# Anticipated Timetable

Construction of the helium processing plant is already in advanced stage with anticipated completion by late Q4 2024.



(1) Project financing is in process and is anticipated to close separate and prior to the SPAC transaction.

# Comparable Helium Peers

Company	 NEW ERA HELIUM CORP	RENERGEN	ROYAL HELIUM	AVANTI ENERGY	BLUE STAR HELIUM	DESERT MOUNTAIN ENERGY	GRAND GULF ENERGY	HELIUM ONE GLOBAL	TOTAL HELIUM
Listing	NASDAQ	JSE: REN ASX: RLT	TSXV: RHC	TSXV: AVN	ASX: BNL	TSXV: DME	ASX: GGE	AIM: HE1	TSXV: TOH
Location	USA (NM)	South Africa (Free State)	Canada (SK)	USA & Canada (Montana & Alberta)	USA (CO)	USA (AZ)	USA (UT)	Tanzania (Songwe Region)	Canada (Vancouver)
Market Cap (USD) <sup>(1)</sup>	\$139MM	\$105MM	\$45MM	\$33MM	\$33MM	\$24MM	\$11MM	\$10MM	\$6MM
Enterprise Value <sup>(1)</sup>	\$135MM	\$162MM	\$66MM	\$33MM	\$30MM	\$13MM	\$13MM	NM	\$7MM
Third-Party Proved Reserve Report	✓	✓	✗	✗	✗	✓ <sup>(2)</sup>	✗	✗	✗
Secured Offtake Agreements	✓	✓	✓	✗	✗	✗	✓	✗	✓
Pre-Revenue (Y/N)	N	N	N	N	Y	Y	Y	N	Y
Revenue Streams	3-stream (He, Nat Gas, NGLs)	N/A	2-stream (CO2, He)	N/A	1-stream (He)	3-stream (He, Nat Gas, NGLs)	2- stream (He, Oil)	N/A	2-stream (He, Nitrogen)
Stage	Producing	E&D	Producing	Exp	Exp	Producing	Exp	Exp	Producing

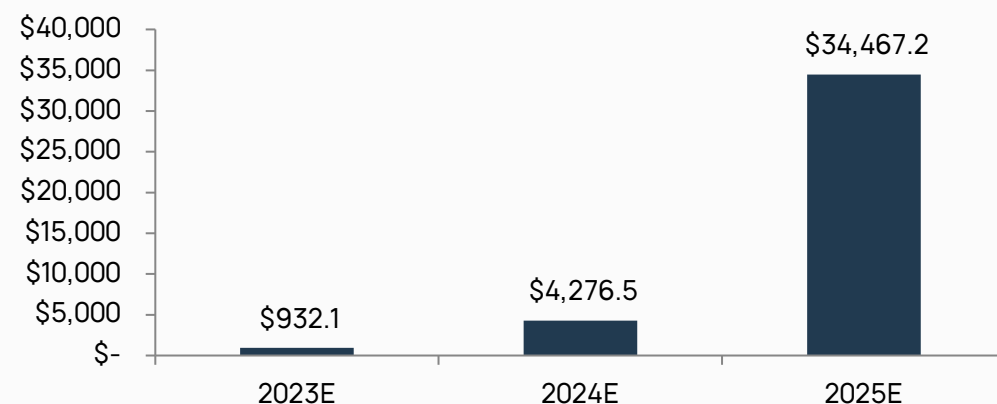
(1) Market capitalization as of January 12, 2024

(2) Desert Mountain Energy acquired production and proved reserves from New Era Helium on July 06, 2023.

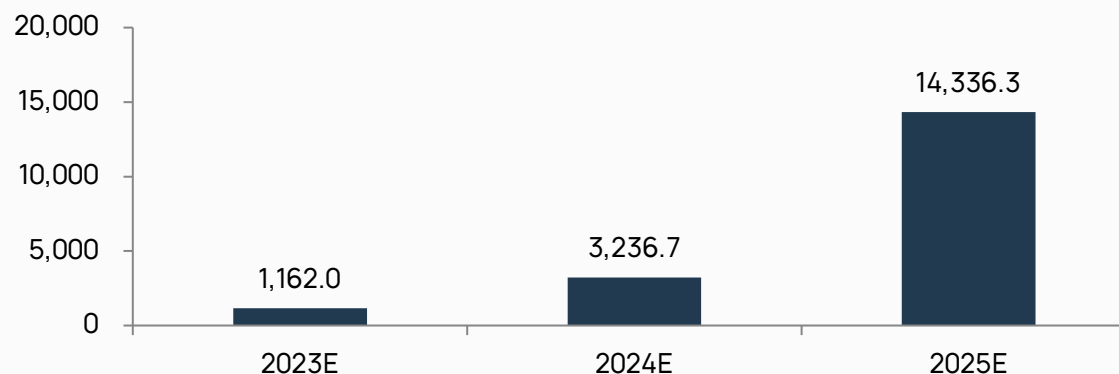
# Financial Summary

- Estimated completion of the Pecos Slope Plant in late Q4 2024
- Optionality on revenues is mainly attributable to Natural Gas and NGLs since Helium has fixed long-term pricing.
- The Company reaches 20 MMCF/D gross plant throughput by Early Q3 2025.

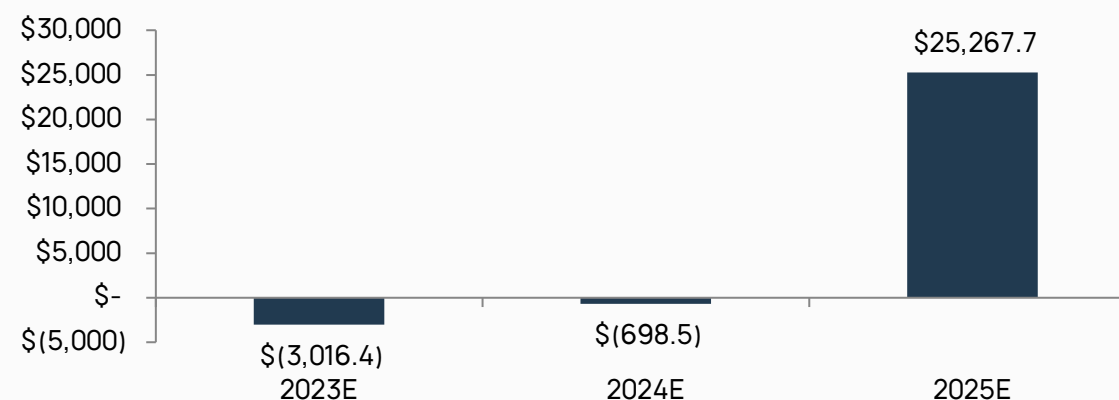
## Revenue (\$000's)



## Daily Production (Net MCFE/D)



## Adjusted Operating Netback<sup>(1)(2)</sup> (\$000's)



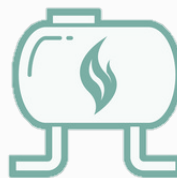
- (1) Adjusted Operating Netback is a non-GAAP measure. New Era Helium defines Adjusted Operating Netback as net revenue less lease operating expenses, production & ad valorem taxes, and cash general administrative expenses. In the case of non-GAAP financial measures presented for future periods, New Era Helium advises that it is unable to provide reconciliations of such measures without unreasonable efforts. Accordingly, such measures should be considered in light of the fact that no GAAP measure of performance or liquidity is available as a point of comparison to such non-GAAP measures.
- (2) Financial forecast internally prepared by New Era Helium Management. The projections include expected revenue from contracted commitments and the sale of natural gas and natural gas liquids (NGLs).

# Conclusion



## STRATEGIC LOCALE

Proximity to key infrastructure - 20 miles north of Roswell and within 550 miles of 6 out of 7 U.S. He Liquification plants. In close proximity to interstate pipelines and less than one mile from a major highway



## HELIUM RESERVES IN PLACE

137,000 gross acres (HBP) located in Southeastern New Mexico in the Permian Basin with approximately 2 BCF of gross proved and probable helium reserves in place



## HELIUM PRODUCTION

Producing helium TODAY (0.167 - 1.513 MOL% helium concentration) that can be scaled through workover improvements and/or new drills



## PLANT IN PROGRESS

Helium Processing Plant construction underway (Q3 2023) (\$3.5 million funded) with expected completion by late Q4 2024



## OFFTAKE IN PLACE

Two (2) 10-year helium purchase "take-or-pay" agreements executed to secure offtake for 32 MMCF p.a. plant throughput

# APPENDIX

# New Era Helium's Technical and Operations Team

## H. Patrick Seale Reservoir Engineer

Mr. Seale is an experienced oil and gas executive with more than 40 years of petroleum engineering and senior management experience in the domestic and international oil & gas industry and international banking. Pat has held positions of increasing responsibility in management and all phases of exploration, exploitation, and production, including operations management, reservoir engineering, production engineering, drilling, completion and stimulation design, facility design, property evaluations, reserve assessments, and mergers & acquisitions.

Past positions have included Sr. Vice President of Alamo Permian Resources; President, Chief Operating Officer & Director of Doral Energy Corp.; and more. Pat began his career with Exxon Company USA after receiving his Bachelor of Science in Petroleum Engineering from The University of Texas at Austin, Summa Cum Laude (with Highest Honors).

## Vicky Kay, JD Land & Legal

Ms. Kay joined Solis Partners in 2020 to implement and oversee the company's New Mexico land and regulatory department.

Before joining Solis Partners, Vicki worked as an independent landman for 15 years, serving clients including Mewbourne Oil Company, Anadarko, and BP America with an emphasis on the Haynesville and the Permian. Vicki received a Bachelor of Science degree from the University of Texas at Tyler, and a Juris Doctor from St. Mary's University School of Law in San Antonio.

## Bret Percy Exploration & Geology

Mr. Percy is a geologist with over 35 years of experience in the oil & gas business, working the Permian Basin in both Texas and New Mexico. Bret has extensive experience leading multiple drilling programs by working with a variety of teams to generate, characterize, & optimize drilling prospect inventories for use in exploiting assets gained in acquisitions. Most recently he served as Senior Geologic Advisor for APA Holding (Apache Corporation) where he worked for 24 years. Bret attended Louisiana Tech University where he received a Bachelor of Science in Geology

## Scott Parsons Operations Eng.

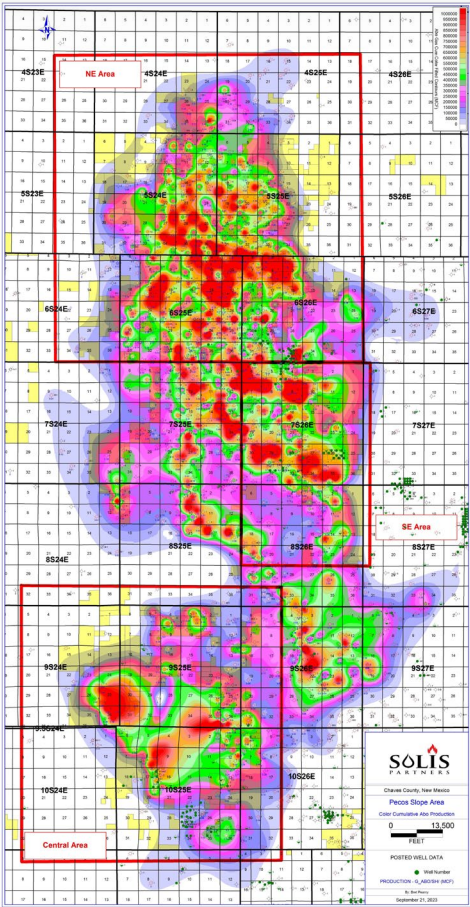
Mr. Parsons has over 17 years of oil and gas experience as both an engineer and landman. He previously worked for RSP Permian and Concho Resources as a production and operations engineer and as a landman for various companies from Texas to Colorado. Mr. Parsons holds a B.S. in Petroleum Engineering from Texas Tech University and a B.A. in Government from The University of Texas at Austin.

## Casey Daley Geo & Eng. Analysis

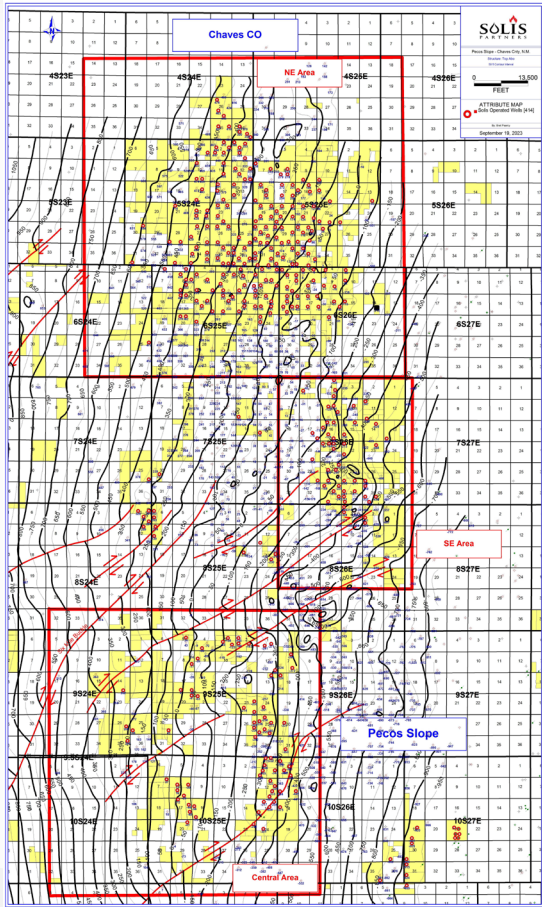
Mr. Daley has over 13 years of Oil and Gas experience as a geological/engineering tech. Prior to joining Solis Partners, Casey held position with both EXL Petroleum and Apache Corporation. Casey has assisted in multiple acquisition preparations and divestitures of projects in the Midland Basin, Delaware Basin, San Juan Basin and Northwest Shelf. Casey has had a hand in developing a production and parent/child well classification platform and specializes in Petra, ArcGIS and several other platforms. Casey received a Bachelor of Science degree in Mathematics with a minor in Computer Science from University of Texas Permian Basin.

# Key Maps

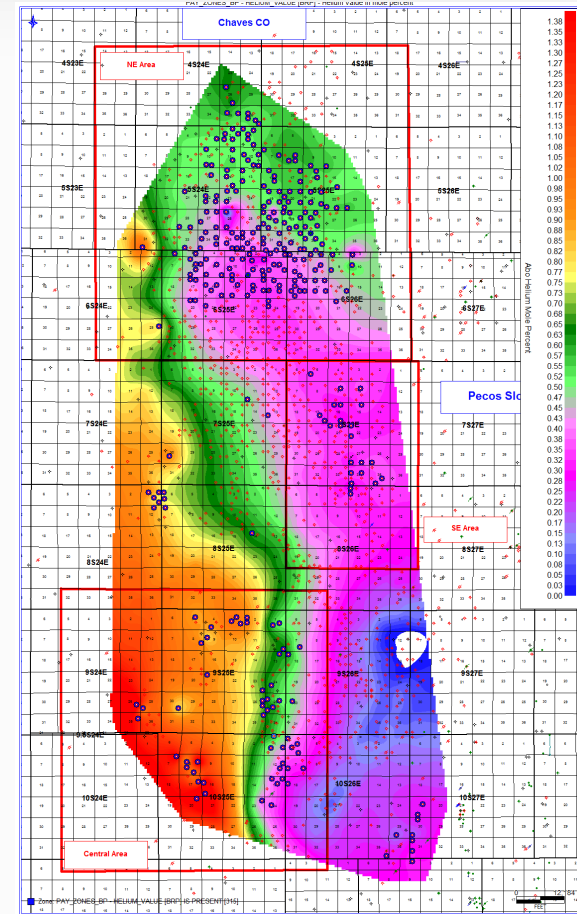
Abo Gas Cum Map



## Abo Structure



## Helium Heat Map



**MKM ENGINEERING**  
Oil and Gas Consulting Services  
3905 Sagamore Hill Court  
Plano, Texas 75025

November 6, 2023

Mr. E. Will Gray II  
New Era Helium Corp.  
4501 Santa Rosa Dr.  
Midland, TX 79707

Dear Mr. Gray:

As requested, we are submitting our estimates of proved, probable, and possible reserves and our forecasts of the resulting economics attributable to the interests of Solis Partners, LLC (hereinafter referred to as "Solis") and NEH Midstream, LLC (hereinafter referred to as "NEH"), as of July 1, 2023, in certain properties located in Chaves County, New Mexico and Howard County, Texas. We completed our evaluation on November 6, 2023. It is our understanding that the proved, probable, and possible reserves estimated in this report constitute 100% of all proved, probable and possible reserves owned by Solis Partners, LLC and NEH Midstream, LLC in the United States.

This report has been prepared for New Era Helium Corp.'s use in filing with the SEC; in our opinion the assumptions, data, methods, and procedures used in the preparation of this report are appropriate for such purpose. Composite proved reserve estimates and economic forecasts are summarized below:

		<u>Proved</u>	<u>Proved Developed</u>	<u>Proved Non- Producing</u>	<u>Proved Undeveloped</u>
<u>Net Reserves</u>					
Gas	MMcf	66,475.8	23,687.4	4,371.7	38,416.7
Helium*	MMcf	483.6	0.0	0.0	483.6
NGL	MBbl	4,766.0	0.0	0.0	4,766.0
Oil	MBbl	46.2	3.3	42.9	0.0
<u>Revenue</u>					
Gas	M\$	237,491.3	84,796.8	15,598.0	137,096.5
Helium*	M\$	217,626.3	0.0	0.0	217,626.3
NGL	M\$	157,882.0	0.0	0.0	157,882.0
Oil	M\$	6,777.6	2,763.3	4,014.3	0.0
<u>Severance and</u>					
Ad Valorem Taxes	M\$	52,617.6	6,126.6	1,902.4	44,588.6
Operating Expenses	M\$	104,067.8	55,715.9	3,278.7	45,073.2
Investments	M\$	90,177.0	0.0	8,000.0	82,177.0
Operating Income (BFIT)	M\$	372,914.8	25,717.6	6,431.2	340,766.0
Discounted @ 10%	M\$	91,700.4	11,716.3	-1,490.9	81,475.0

\*The revenues and costs related to Helium is not compliant with the SEC requirements

Composite probable and possible reserve estimates and economic forecasts are summarized below:

		Probable		Possible	
		<u>Probable</u>	<u>Undeveloped</u>	<u>Possible</u>	<u>Undeveloped</u>
<u>Net Reserves</u>					
Gas	MMcf	139,967.0	139,967.0	85,509.4	85,509.4
Helium*	MMcf	934.4	934.4	612.0	612.0
NGL	MBbl	9,772.4	9,772.4	5,970.2	5,970.2
<u>Revenue</u>					
Gas	M\$	499,400.3	499,400.3	305,096.5	305,096.5
Helium*	M\$	420,459.7	420,459.7	275,405.4	275,405.4
NGL	M\$	323,727.3	323,727.3	197,773.3	197,773.3
<u>Severance and</u>					
Ad Valorem Taxes	M\$	112,666.7	112,666.7	69,757.8	69,757.8
Operating Expenses	M\$	161,674.1	161,674.1	88,569.8	88,569.8
Investments	M\$	251,162.6	251,162.6	146,147.6	146,147.6
Operating Income (BFIT)	M\$	718,083.9	718,083.9	473,800.0	473,800.0
Discounted @ 10%	M\$	43,523.2	43,523.2	3,608.9	3,608.9

\*The revenues and costs related to Helium is not compliant with the SEC requirements

While the oil and gas industry may be subject to regulatory changes from time to time that could affect an industry participant's ability to recover its reserves, we are not aware of any such governmental actions which would restrict the recovery of the July 1, 2023 estimated reserves.

#### Primary Economic Assumptions

Values of proved, probable, and possible reserves in this report are expressed in terms of estimated future gross revenue, future net revenue, and present worth. Future gross revenue is that revenue which will accrue to the evaluated interests from the production and sale of the estimated net reserves. Future net revenue is calculated by deducting estimated production taxes, ad valorem taxes, operating expenses, capital costs, and abandonment costs from the future gross revenue. Operating expenses include field operating expenses, transportation expenses, compression charges, and an allocation of overhead that directly relates to production activities. Future income tax expenses were not taken into account in the preparation of these estimates. Present worth of future net revenue is calculated by discounting the future net revenue at the arbitrary rate of 10 percent per year compounded annually over the expected period of realization. Present worth should not be construed as fair market value because no consideration was given to additional factors that influence the prices at which properties are bought and sold.

Future prices were estimated using guidelines established by the SEC and the Financial Accounting Standards Board (FASB). The assumptions used for estimating future prices and expense are as follows:

#### Gas Prices

Gas price differentials were calculated for each property based on prices received by Solis. The prices were calculated using these differentials to a Henry Hub price of \$4.763 per million British thermal units (MMBtu) and were held constant for the lives of the properties. The Henry Hub gas price of \$4.763 per MMBtu is the 12-month average price calculated as the unweighted arithmetic average of the first-day-of-the-month price for each of the last six months of 2022 and the first six months of 2023. British thermal unit factors were provided by Solis and used to convert prices from dollars per MMBtu to dollars per thousand cubic feet (\$/Mcf). A gas price of \$3.88 per thousand cubic feet of gas was used from July 2023 through July 2024. The volume-weighted average product price over the life of the properties was \$ 3.57 per thousand cubic feet of gas.

#### Helium Prices

Helium price differentials were calculated for each property based on prices received by Solis. The prices were calculated using these differentials to a Helium price of \$450.00 per thousand cubic feet (\$/Mcf) and were held constant for the lives of the properties. The volume-weighted average product price over the life of the properties was \$450.00 per thousand cubic feet of gas.

#### Natural Gas Liquid Prices

Natural Gas Liquid (NGL) price differentials were calculated for each property based on prices received by Solis. The prices were calculated using these differentials to a posted West Texas Intermediate (WTI) at Cushing of \$82.817 per barrel and were held constant for the lives of the properties. The WTI oil price of \$82.817 per barrel is the 12-month average price calculated as the unweighted arithmetic average of the first-day-of-the-month price for each of the last six months of 2022 and the first six months of 2023. The volume-weighted average product price over the life of the properties was \$33.13 per barrel of oil.

#### Oil and Condensate Prices

Oil and condensate price differentials were calculated for each property based on prices received by Solis. The prices were calculated using these differentials to a posted West Texas Intermediate (WTI) at Cushing price of \$82.82 per barrel and were held constant for the lives of the properties. The WTI oil price of \$82.82 per barrel is the 12-month average price calculated as the unweighted arithmetic average of the first-day-of-the-month price for each of the last six months of 2022 and the first six months of 2023. The volume-weighted average product price over the life of the properties was \$82.82 per barrel of oil.

#### Production and Ad Valorem taxes

Production taxes were calculated using the tax rates for the state in which the property is located. Ad valorem taxes were calculated using average rates for each county in which the property is located.

#### Operating Expenses, Capital Costs and Abandonment Costs

Operating costs were based on operating expense records of Solis Partners, LLC and based on current expenses, were held constant for the lives of the properties. Development costs were furnished to us by Solis and are based on authorization for expenditures for the proposed work or actual costs of similar projects. The development costs furnished to us were accepted as factual data and reviewed by MKM Engineering for their reasonableness; however, we have not conducted an independent verification of these costs. Capital expenditures for plugging, abandonment, and reclamation of the properties at the end-of-project life were not included in this report.

The undeveloped reserves in this report have been incorporated herein in accordance with Solis's plans to develop these reserves as of July 1, 2023. The implementation of Solis's development plans and budget as presented to us and incorporated herein were approved by Solis's management. Additionally, Solis has informed MKM Engineering that they are not aware of any legal, regulatory or political obstacles that would significantly alter the development plans.

The proved, probable, and possible reserve classifications conform to criteria of the Securities and Exchange Commission, except where noted. Reserves are judged to be economically producible in future years from known reservoirs under existing economic and operating conditions and assuming continuation of current regulatory practices using conventional production methods and equipment. In the analyses of production decline curves, reserves were estimated only to the limit of economic rates of production under existing economic and operating conditions using prices and costs consistent with the effective date of this report, including consideration of changes in existing prices provided only by contractual arrangement but not including escalations based on future conditions. The reserves and economics are predicted on the regulatory agency classifications, rules, policies, laws, taxes, and royalties in effect on the date of this report except as noted herein. In evaluating the information at our disposal concerning this report, we have excluded from our consideration all matters as to which the controlling interpretation may be legal or accounting, rather than engineering and geosciences. Therefore, the possible effects of changes in legislation or other Federal or State restrictive actions have not been considered. An on-site field inspection of these properties has not been made nor have the wells been tested by MKM Engineering. Possible environmental liability related to the properties has not been investigated nor considered.

### Methodology and Procedures

The reserves were estimated using a combination of the production performance, volumetric, and analogy methods, in each case as we considered to be appropriate and necessary to establish the conclusions set forth herein. All reserve estimates represent our best judgment based on data available at the time of preparation and assumptions as to future economic and regulatory conditions. It should be realized that the reserves actually recovered, the revenue derived therefrom, and the actual cost incurred could be more or less than the estimated amounts.

The process of estimated reserves is complex. It requires significant judgments and decisions based on available geological, geophysical, engineering, and economic data. These estimates may change substantially as additional data from ongoing development activities and production performance becomes available and as economic conditions impacting oil and gas prices and costs change.

For depletion type reservoirs or those whose performance disclosed a reliable decline in producing rate trends or other diagnostic characteristics, reserves were estimated by the application of appropriate decline curves or other performance relationships. In the analyses of production decline curves, reserves were estimated only to the limits of economic production based on existing economic conditions. In certain cases, when the previously named method could not be used, reserves were estimated by analogy with similar wells or reservoirs for which more complex data were available.

As circumstances change and additional data become available, reserve estimates also change. Estimates made are reviewed and revised, either upward or downward, as warranted by the new information. Revisions are often required due to changes in well performance, prices, economic conditions, and governmental restrictions.

Although every reasonable effort is made to ensure that reserve estimates are accurate, reserve estimation is an inferential science. As a result, the subjective decisions, new geological or production information, and a changing environment may impact these estimates. Revisions to reserve estimates can arise from changes in year-end oil and gas prices, and reservoir performance. Such revisions can be positive or negative.

Gas reserves estimated herein are expressed as sales gas. Sales gas is defined as the total gas to be produced from the reservoirs, measured at the point of delivery, after reduction for fuel use and shrinkage resulting from the field separation and processing. Gas reserves are expressed at a temperature base of 60 degrees Fahrenheit and at the pressure base of the state in which the resources are located. Gas reserves included herein are expressed in thousands of cubic feet (Mcf). Oil and condensate reserves estimated herein are those to be recovered by conventional lease separation. Natural Gas Liquids reserves included in this report are expressed in barrels (bbl) representing 42 United States gallons per barrel.

The reserve estimates were based on interpretations of factual data furnished by Solis Partners, LLC. Ownership interests were supplied by Solis Partners, LLC and were accepted as furnished. To some extent, information from public records has been used to check and/or supplement this data. The basic engineering and geological data were utilized subject to third party reservations and qualifications. Nothing has come to our attention, however, that would cause us to believe that we are not justified in relying on such data.

MKM Engineering is independent with respect to Solis Partners, LLC, NEH Midstream, LLC, and New Era Helium Corp. as provided in the Standards Pertaining to the Estimating and Auditing of Oil and Gas Reserves Information promulgated by the Society of Petroleum Engineers ("SPE Standards"). Neither MKM Engineering nor any of its employees has any interest in the subject properties. Neither the employment to make this study nor the compensation is contingent on the results of our work or the future production rates for the subject properties.

Our work papers and related data are available for inspection and review by authorized parties.

Respectfully submitted,

MKM ENGINEERING  
Texas Registered Engineering Firm F-009733

*Michele K. Mudrone*

Michele K. Mudrone, P.E.



Attachments