



**PREMIER**  
American Uranium

# RESHAPING AMERICA'S URANIUM LANDSCAPE

**Purpose Built to Revitalize US Domestic Uranium Production**

INVESTOR PRESENTATION | FEBRUARY 2025

TSXV: PUR | OTCQB: PAUIF  
[www.premierur.com](http://www.premierur.com)

## Information Contained In This Presentation

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All estimates in this presentation, except for the Cebolleta Project, are “historical estimates” and are not considered current by the Company in accordance with National Instrument 43-101 – Standards of Disclosure for Mineral Projects (“NI 43-101”).

## Market and Industry Data

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## Cautionary Note Regarding Forward-looking Information

This presentation contains “forward-looking information” within the meaning of applicable Canadian securities laws. Forward-looking information includes, but is not limited to, information with respect to the company’s strategy, plans or future financial or operating performance, and intended exploration and advancements at the company’s properties; expectations with respect to defining mineral resources or mineral reserves on any of the projects; expectations with respect to any permitting, development or other work that may be required to bring any of the projects into production and any expectation that any of the projects can be brought back into production rapidly or expeditiously; the anticipated management team and board of directors of PUR; expectations regarding the U.S. uranium industry; expectations as to future exploration potential for any of the projects; any expectation as to the outcome or success of any proposed programs for any of the projects; any expectation that market conditions will warrant future production from any of the projects and other activities, events or developments that the company expects or anticipates will or may occur in the future. Generally, but not always, forward looking information and statements can be identified by the use of words such as “plans”, “expects”, “is expected”, “budget”, “scheduled”, “estimates”, “forecasts”, “intends”, “anticipates”, or “believes” or the negative connotation thereof or variations of such words and phrases or statement that certain actions, events or results “may”, “could”, “would”, “might” or “will be taken”, “occur” or “be achieved” or the negative connotation thereof.

## Cautionary Note Regarding Forward-looking Information (continued)

Forward-looking information is based on PUR's current expectations, beliefs, assumptions, estimates and forecasts about the company's business and the industry and markets in which it operates. Such forward information and statements are based on numerous assumptions, including among others, the availability of financing; the accuracy of previous exploration records and results; that the results of planned exploration activities are as anticipated; the cost of planned exploration activities; that third party contractors, equipment and supplies and governmental and other approvals required to conduct the company's planned exploration and development activities will be available on reasonable terms and in a timely manner; and that general business and economic conditions will not change in a material adverse manner. Although the assumptions made by the company in providing forward looking information or making forward-looking statements are considered reasonable by management at the time, there can be no assurance that such assumptions will prove to be accurate.

Forward-looking information and statements also involve known and unknown risks and uncertainties and other factors, which may cause actual results, performances and achievements of PUR to differ materially from any projections of results, performances and achievements of PUR expressed or implied by such forward-looking information or statements. These factors include the costs associated with bringing any of the projects back into production; no known mineral reserves or resources; risks that historical mineral estimates can be updated and be verified to be current mineral resources or mineral reserves; permitting and regulatory delays; litigation risks; competition from others; market factors, including future demand for and prices realized from the sale of uranium and vanadium; government actions that could restrict or eliminate the ability to mine on public lands, such as through the creation or expansion of national monuments or through mineral withdrawals; the policies and actions of foreign governments, which could impact the competitive supply of and global markets for uranium and vanadium; the company's expectations in connection with the production and exploration, development and expansion plans at the projects discussed herein being met; changes in national and local government legislation, taxation, controls or regulations and/or changes in the administration or laws, policies and practices; the impact of general business and economic conditions; fluctuating metal prices; currency exchange rates; the impact of inflation; general risks of the mining industry; failure of plant, equipment or processes to operate as anticipated; unanticipated results of future studies; seasonality and unanticipated weather changes; success of exploration activities, permitting timelines, government regulation; environmental risks; unanticipated reclamation expenses; title disputes or claims.

Although the company has attempted to identify important factors that could cause actual actions, events or results to differ materially from those contained in the forward-looking information or implied by forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that forward-looking information and statements will prove to be accurate, as actual results and future events could differ materially from those anticipated, estimated or intended. Accordingly, readers should not place undue reliance on forward-looking statements or information. The company undertakes no obligation to update or reissue forward-looking information as a result of new information or events except as required by applicable securities laws.

The footnotes and appendices to this presentation contain important information.

## Technical Disclosure and Qualified Person

Dean T. Wilton: PG, CPG, MAIG, a consultant of CUR who is a "Qualified Person", as defined in NI 43-101.

The data disclosed in this presentation, except for Cebolleta, is related to historical drilling results. PUR has not undertaken any independent investigation of the sampling, nor has it independently analyzed the results of the historical exploration work in order to verify the results. PUR considers these historical drill results relevant as the Company is using this data as a guide to plan exploration programs. The Company's current and future exploration work includes verification of the historical data through drilling.

For additional information regarding PUR's Cebolleta project please refer to the Technical Report entitled "Cebolleta Uranium Project Cibola County, New Mexico, USA – effective date April 30, 2024, prepared by SLR International Corporation., available under PUR's profile on [www.sedarplus.ca](http://www.sedarplus.ca). The "qualified person" for this technical report is Mark B. Mathisen, C.P.G., Principal Geologist, SLR Consulting International Corp. Mr. Mathisen is a "qualified person" under NI 43-101.

# BUILT FOR GROWTH

A Disciplined & Opportunistic Strategy of Capital Allocation



## ACQUIRE

Continue to evaluate accretive M&A opportunities in the U.S.



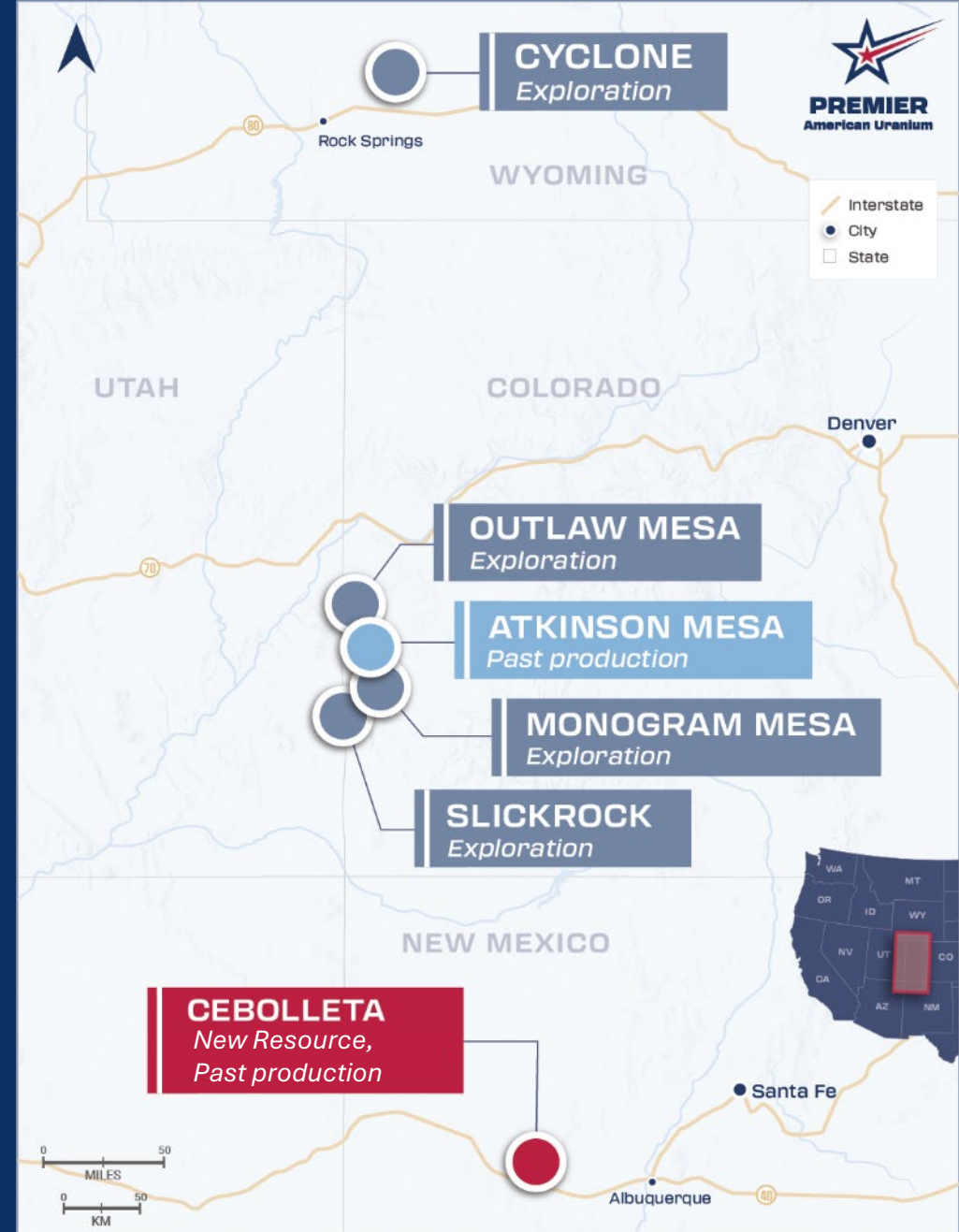
## EXPLORE

Define resources and make new discoveries across portfolio



## DEVELOP

Advance pipeline of past producing assets with historical resources



# COMPANY SNAPSHOT

## CAPITAL STRUCTURE

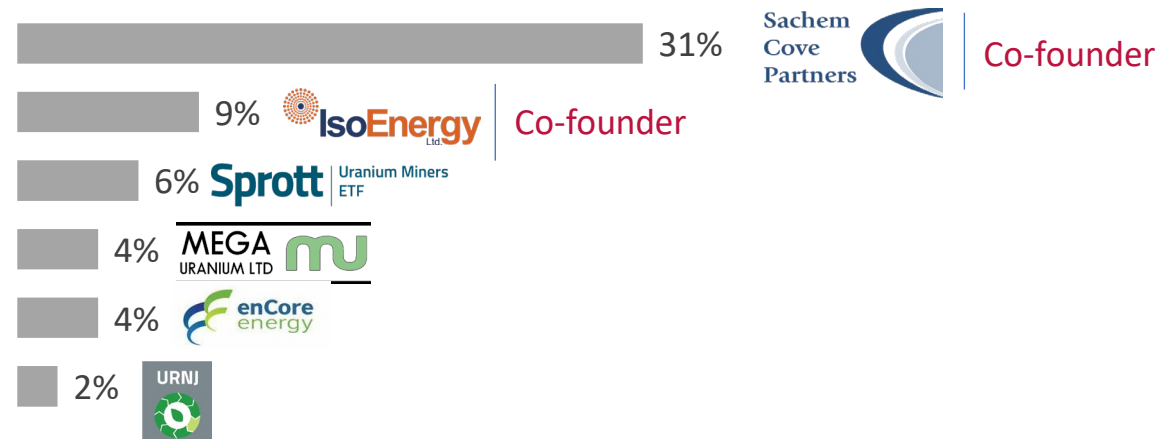
Share Price (February 24, 2025)	C\$1.01
Basic Shares Outstanding <sup>1</sup>	45.9M
Options <sup>2</sup>	3.9M
Warrants <sup>3</sup>	8.3M
RSUs	0.3M
FD Shares Outstanding	58.4M
Market Capitalization (Basic)	C\$46.3M
Cash <sup>4</sup>	C\$5.8M

1. Based on public company disclosure as of September 30, 2024 and reflects ~11,140 compressed shares outstanding.
2. Options outstanding with expiry dates ranging from August 14, 2025 to July 30, 2029 at C\$1.50 to C\$2.98.
3. Warrants outstanding, with expiry dates ranging from January 31, 2025 to December 26, 2026 and strike prices ranging from C\$1.50 to C\$7.36 and \$2.20.
4. As of September 30, 2024 (US\$ = C\$1.3527)

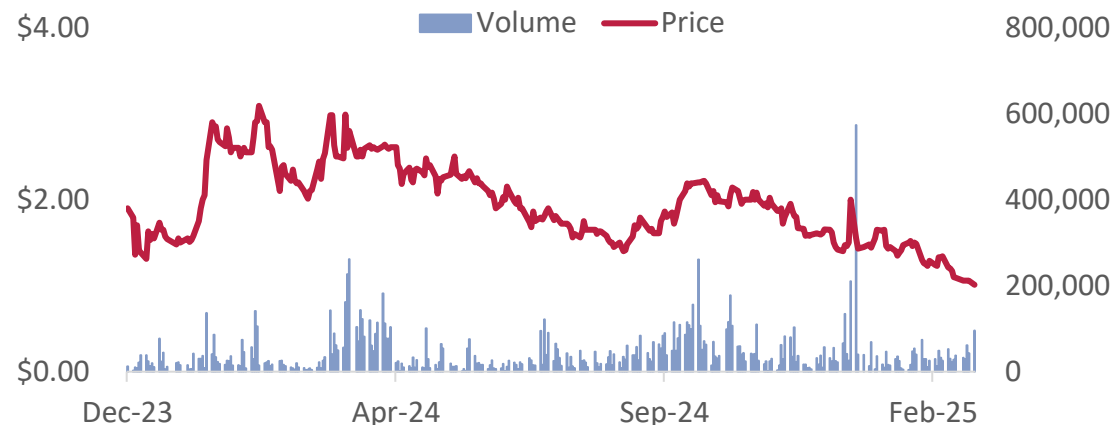
## ANALYST COVERAGE

Firm	Analyst	Rating	Target
Beacon Securities	Michael Curran	SPEC BUY	\$4.00
HoldCo Markets	-		\$3.00
Red Cloud Securities	Dave Talbot	BUY	-

## TOP FIVE SHAREHOLDERS



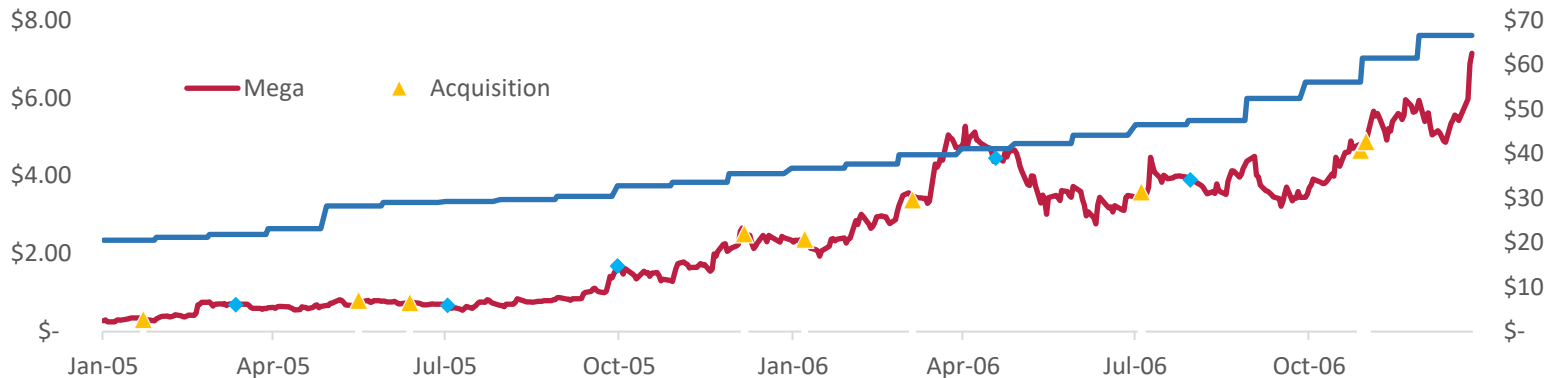
## SHARE PRICE PERFORMANCE



# CONSOLIDATION: A PROVEN STRATEGY

PUR was built by a team that has done it before

**+2,300% RETURN**



## MEGA URANIUM (Jan 2005 to Dec 2006)

Uranium price from \$20.50 to \$66.50

Completed 9 Acquisitions

Raised +\$50m

Market cap increased from \$15m to \$940m

**+1,300% RETURN**



## CONSOLIDATED URANIUM (Mar 2020 to Dec 2023)

Uranium price from \$27.40 to \$82.30

Completed 12 acquisitions

Completed spin-out of Latitude Uranium and Premier American Uranium. Merged with IsoEnergy.

Raised +\$90m

Market cap increased from \$2m to ~\$204m

1. Based on public disclosure, see "Cautionary Note Regarding Forward-Looking Information"

# URANIUM: RESURGENCE IN THE U.S.

Unprecedented support for nuclear, driven by energy security and transition to clean energy

Recent historic series of actions sending a clear message that the U.S. is committed to long-term growth in its nuclear sector

Big Tech is Leading the Acceleration in Clean Energy Demand



Google signed a deal to buy power from SMRs based on the Kairos Power design targeting first power by 2030



Oracle is designing an AI data centre planned to be powered by three Small Modular Reactors



AWS purchased a data centre site from Talen Energy to be 100% powered by adjacent nuclear plant.



Meta announced an RFP seeking vendors that can deliver between 1 to 4 gigawatts of nuclear energy in the US by early 2030s.



Microsoft signed a 20-year power purchase agreement with Constellation Energy to restart Unit 2 at Three Mile Island targeting 2028

2040

Prohibiting Russian Uranium Imports Act signed into law banning low enriched uranium to the end of 2040

\$4.2B

U.S., Canada, France, Japan & U.K. to invest \$4.2 billion to secure a reliable global nuclear energy supply chain

COP29

31 Countries have now signed a Commitment to Triple Nuclear Power Output by 2050, led by the U.S.

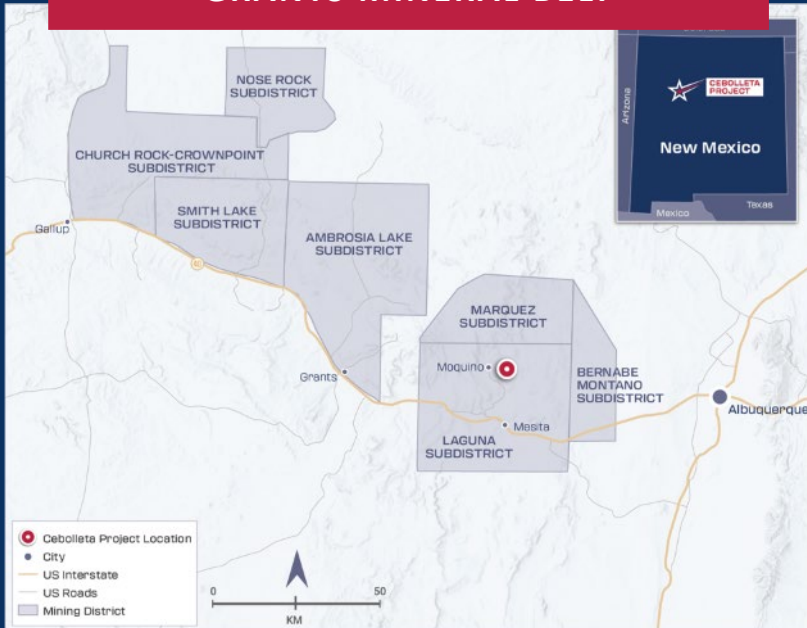
\$2.7B

Federal funding appropriated at the President's request to jumpstart new enrichment capacity the U.S.

See appendix for sources

# THREE OF THE TOP URANIUM DISTRICTS IN THE U.S.

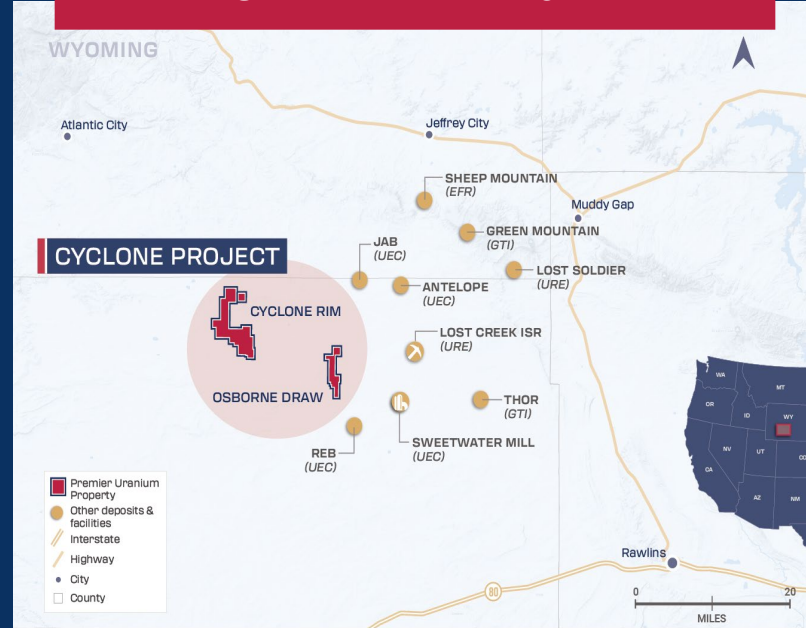
## NEW MEXICO GRANTS MINERAL BELT



**+347M lbs U<sub>3</sub>O<sub>8</sub> produced (37% of all U.S. historical production)<sup>1</sup>**

**4<sup>th</sup> largest uranium district in the world**

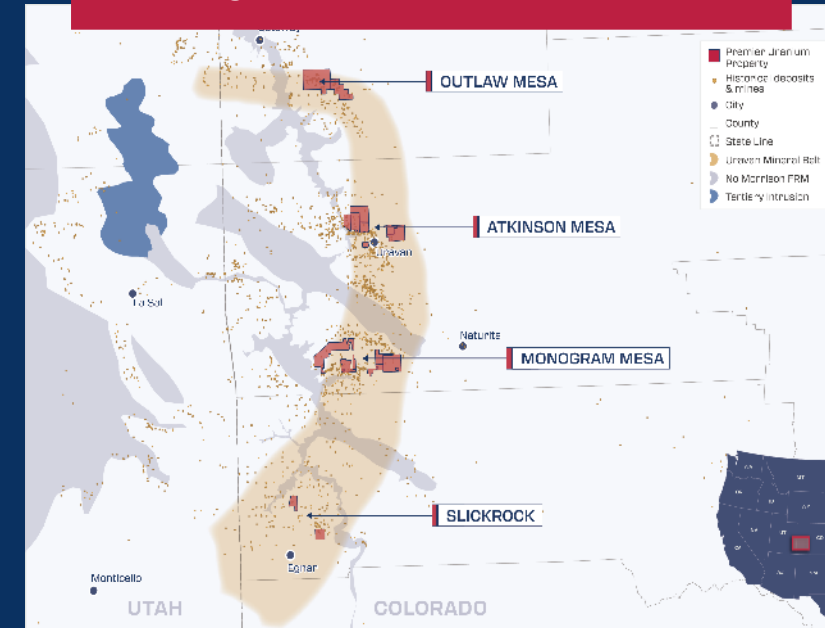
## WYOMING GREAT DIVIDE BASIN



**+230M lbs of U<sub>3</sub>O<sub>8</sub> produced in Wyoming since first discovery<sup>2</sup>**

**One of the least exploited basins in Wyoming**

## COLORADO URAVAN MINERAL BELT



**+80M lbs U<sub>3</sub>O<sub>8</sub> and +400M lbs V<sub>2</sub>O<sub>5</sub> produced since 1945<sup>3</sup>**

**Ranked 5<sup>th</sup> in Investment Attractiveness (2022)<sup>4</sup>**

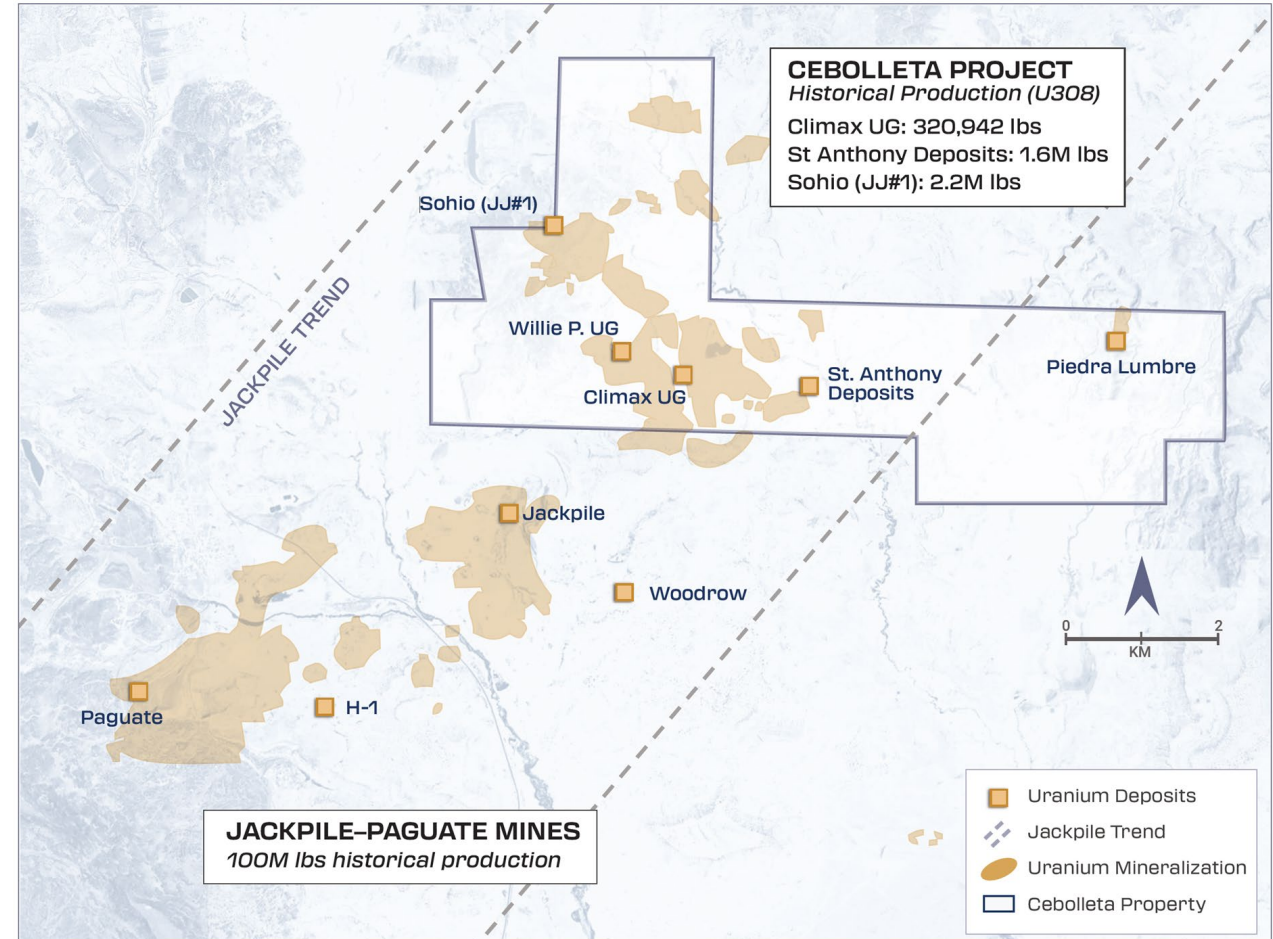
1. Uranium resources in the Grants uranium district, New Mexico: An update Virginia T. McLemore, Brad Hill, Niranjan Khalsa, and Susan A. Lucas Kamat 2013
2. Wyoming State Geological Survey; Critical Minerals in Wyoming; <https://www.wsgs.wyo.gov/minerals/critical-minerals.aspx>
3. Chenoweth, William L., 1981, "The Uranium-Vanadium Deposits of the Uravan Mineral Belt and Adjacent Areas, Colorado and Utah. In New Mexico Geological Society Guidebook 32, Western Slope, Colorado" and Goodnight, Craig S., William L. Chenoweth, Richard D. Davyault and Edward T. Cotter, 2005: "Geologic Road Log for Uravan Mineral Belt Field Trip, West-Central, Colorado" Rocky Mountain Section of the Geologic Society of America.
4. [www.fraserinstitute.org/sites/default/files/annual-survey-of-mining-companies-2022.pdf](http://www.fraserinstitute.org/sites/default/files/annual-survey-of-mining-companies-2022.pdf)



# CEBOLLETA PROJECT, NEW MEXICO

## Transformative 2025 with Planned Resource Update and Preliminary Economic Assessment

- **Current Mineral Resource Estimate (April 2024) - 80% 'Indicated':**
  - 18.6 M lb U<sub>3</sub>O<sub>8</sub> (6.6 M tons @ 0.14% U<sub>3</sub>O<sub>8</sub>) Indicated
  - 4.9 M lb U<sub>3</sub>O<sub>8</sub> (2.6 M tons @ 0.10% U<sub>3</sub>O<sub>8</sub>) Inferred
- **Upcoming Milestones: Targeting Updated Mineral Resource Estimate (MRE) and Preliminary Economic Assessment (PEA) in early summer 2025** to demonstrate economic potential and guide future resource expansion drilling.
- **Strategic Focus: Transitioning toward development by prioritizing MRE/PEA ahead of costly field work**, deferring over \$2M in spending and transition towards development.
- **Location:** Located on the eastern edge of the Grants Mineral Belt, ~100 km west of Albuquerque - 100% lease-hold interest in 6,717 acres of mineral rights and 5,700 acres of surface rights, year-round access.
- **Historical Production of 3.8M lbs U<sub>3</sub>O<sub>8</sub><sup>2</sup>** (1950s through 1980s):
  - 1.6 M lb from St. Anthony area from 1975 to 1979
  - 2.2 M lb from the Area II and V deposits (899K tons grading 0.123% U<sub>3</sub>O<sub>8</sub>)



1. The Jackpile-Paguate Uranium Mine, Grants Uranium District: Changes in perspectives from production to superfund site Virginia T. McLemore, Bonnie A. Frey, Ellane El Hayek, Eshani Hettiarachchi, Reid Brown, Olivia Chavez, Shaylene Paul, and Milton Das  
 2. See NI 43-101 Technical Report on the Cebolleta Uranium Project Cibola County, New Mexico, USA – effective date April 30, 2024, prepared by SLR International Corporation

# CEBOLLETA PROJECT, NEW MEXICO

## Shallow deposits with current mineral resources

- 2024 Mineral Resource Estimate:
  - **Indicated: 18.6 M lb U<sub>3</sub>O<sub>8</sub>** (6.6 M tons @ 0.14% U<sub>3</sub>O<sub>8</sub>)
    - **Underground: 13.4 M lb U<sub>3</sub>O<sub>8</sub>** (average grade of 0.208% U<sub>3</sub>O<sub>8</sub>)
    - **Open Pit: 5.2 M lb U<sub>3</sub>O<sub>8</sub>** (average grade of 0.078% U<sub>3</sub>O<sub>8</sub>)
  - **Inferred: 4.9 M lb U<sub>3</sub>O<sub>8</sub>** (2.6 M tons @ 0.10% U<sub>3</sub>O<sub>8</sub>)
    - **Underground: 2.6 M lb U<sub>3</sub>O<sub>8</sub>** (average grade of 0.135% U<sub>3</sub>O<sub>8</sub>)
    - **Open Pit: 2.3 M lb U<sub>3</sub>O<sub>8</sub>** (average grade of 0.072% U<sub>3</sub>O<sub>8</sub>)
- Eight relatively shallow sandstone hosted uranium deposits contemplated in a mix of underground and open pit scenarios ranging in depth from 60 m to 213 m
- 3,594 historical drill holes totaling 569,000 m (\$75M of historical expenditures)
- Potential remains to expand known deposit footprint, and update mineral resource with additional drilling and completing a PEA

### Notes:

- CIM (2014) definitions were followed for Mineral Resources.
- Mineral Resources are estimated at a cut-off grade of 0.072% eU<sub>3</sub>O<sub>8</sub> for underground based on Deswik MSO stope shapes and 0.024% eU<sub>3</sub>O<sub>8</sub> for open pit using Whittle pit optimization.
- Mineral Resources are estimated using a long-term uranium price of US\$80/lb U<sub>3</sub>O<sub>8</sub>.
- Mineral Resources have been depleted based on past reported production numbers from the underground JJ#1 and Climax M6 mines.
- A minimum mining width of two feet was used.
- Tonnage Factor is 16 ft<sup>3</sup>/st (Density is 0.0625 st/ft<sup>3</sup> or 2.00 t/m<sup>3</sup>).
- Numbers may not add due to rounding.

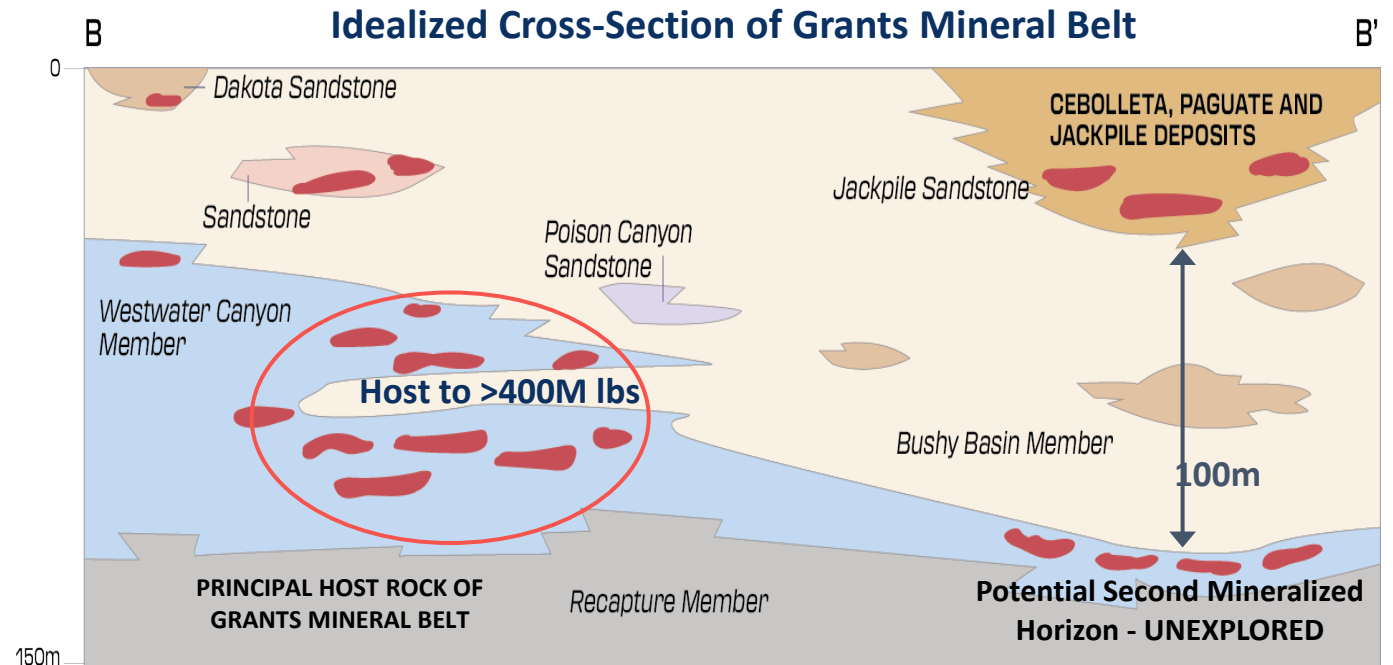
See NI 43-101 Technical Report on the Cebolleta Uranium Project Cibola County, New Mexico, USA – effective date April 30, 2024, prepared by SLR International Corporation

Mineral Resources – Effective Date of April 30, 2024							
Classification	Zone	Grade Cut-off (% eU <sub>3</sub> O <sub>8</sub> )	Tonnage (Million st)	Grade (% eU <sub>3</sub> O <sub>8</sub> )	Contained Metal (Million lb eU <sub>3</sub> O <sub>8</sub> )	AMPS Basis (%)	Recovery U <sub>3</sub> O <sub>8</sub> (%)
<b>Underground</b>							
Indicated	Area I	0.072	0.8	0.168	2.6	100	95
	Area II	0.072	2.3	0.193	8.7	100	95
	Area III	0.072	0.7	0.192	2.7	100	95
	Area IV	0.072	0.0	-	0.0	100	95
	Area V	0.072	0.4	0.208	1.6	100	95
<b>Subtotal Indicated</b>			4.1	0.189	15.6	100	95
<b>Depletion JJ#1</b>			-0.9	0.123	-2.2		
<b>Total Indicated</b>			3.2	0.208	13.4		
Inferred	Area I	0.072	0.2	0.118	0.4	100	95
	Area II	0.072	0.3	0.131	0.8	100	95
	Area III	0.072	0.2	0.156	0.6	100	95
	Area IV	0.072	0.1	0.105	0.3	100	95
	Area V	0.072	0.2	0.161	0.5	100	95
<b>Total Inferred</b>			1.0	0.135	2.6	100	95
<b>Open Pit</b>							
Indicated	St.	0.024	3.3	0.081	5.4	100	95
	Anthony North Pit	0.024	0.1	0.084	0.2	100	95
<b>Subtotal Indicated</b>			3.4	0.081	5.5	100	95
<b>Depletion Climax M6</b>			-0.1	0.205	-0.3		
<b>Total Indicated</b>			3.3	0.078	5.2		
Inferred	St.	0.024	1.3	0.070	1.8	100	95
	Anthony North Pit	0.024	0.3	0.078	0.5	100	95
<b>Total Inferred</b>			1.6	0.072	2.3	100	95

# CEBOLLETA PROJECT, NEW MEXICO

Updated MRE and PEA planned for summer 2025 to provide framework for resource expansion drilling

- **Strong potential to increase resources<sup>1</sup>:**
  - **Willie P area** - not included in current MRE, but known to be mineralized (subject of prior underground mining)
  - **Mineralization open on trend** - Mineralized horizons of the Jackpile sandstone remain open-ended and trend beyond the limits of the existing drilling grid, providing excellent targets
  - **Untested areas** - known mineralized zones but not yet comprehensively drilled
- **Westwater Canyon Member principal host rock in the Grants Mineral Belt hosts over 400M lbs<sup>2</sup>, and is largely unexplored at Cebolleta:**
  - Exploration drilling by United Nuclear approximately 3 miles (4.8 km) east of the Cebolleta and St. Anthony area mines at the Piedra Lumbrá area encountered Westwater Canyon-hosted uranium mineralization that has not been fully tested
  - Indicates large-scale exploration upside beneath known mineralization at Cebolleta



1. See NI 43-101 Technical Report on the Cebolleta Uranium Project Cibola County, New Mexico, USA – effective date April 30, 2024, prepared by SLR International Corporation
2. Uranium resources in the Grants uranium district, New Mexico: An update Virginia T. McLemore, Brad Hill, Niranján Khalsa, and Susan A. Lucas Kamat 2013
3. See “Cautionary Note Regarding Forward-Looking Information”

# CYCLONE PROJECT, WYOMING

## Significant land position with in-situ recovery (ISR) potential

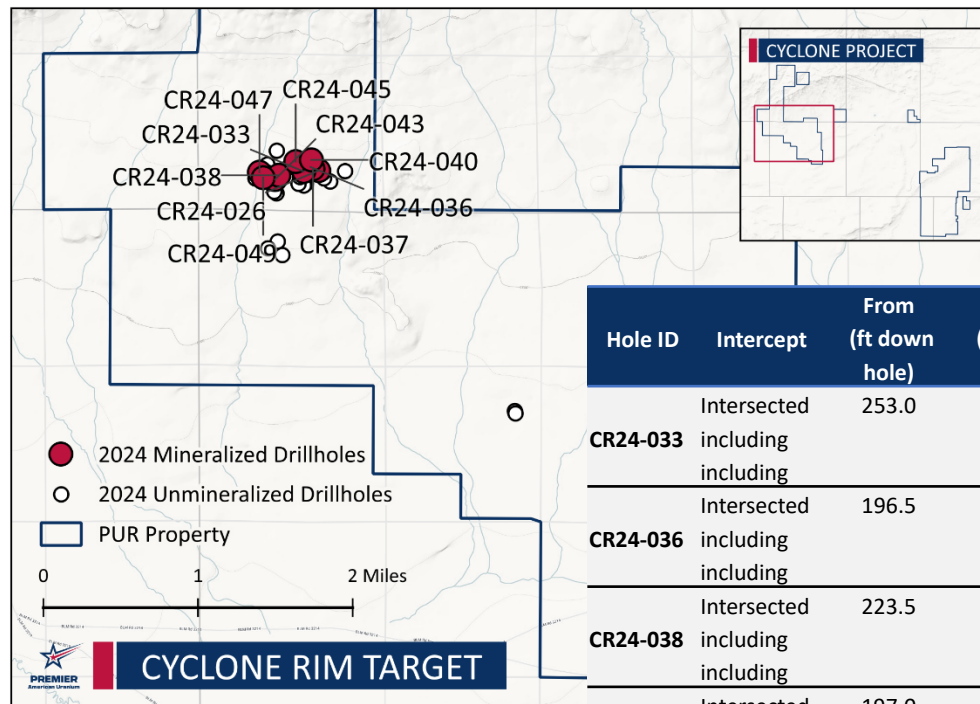
- In the vicinity of Ur-Energy Inc.'s Lost Creek ISR uranium mine and other former uranium mining facilities
- 25,500 acres comprising: 1,061 claims totaling 21,220 acres and 7 state leases covering 4,280 acres
- ~80 holes drilled during 2007-2008
- Mineralization encountered in several holes, with typical grades and thicknesses to uranium deposits elsewhere in the Great Divide Basin
- Deposits hosted in flat-lying sandstones of Battle Spring Formation
- Wide-spread alteration of host sandstones, with numerous roll-front uranium deposits associated with altered rocks



# CYCLONE PROJECT, WYOMING

## Successful inaugural exploration drill program at Cyclone Rim Target

- Exploration drill program at Cyclone Rim designed to systematically investigate the resource potential.
- 41 RC drill holes totaling 20,990 ft completed.
- Results indicate the presence of uranium mineralization occurring along an apparent ½-mile long, east-west trend that has not yet been fully defined.
- Identified apparent >½ mile zone that appears to be open in multiple directions, with drill intercepts up to 0.088% eU<sub>3</sub>O<sub>8</sub> over a thickness of 10.5 feet (Grade thickness (GT) of 0.92).

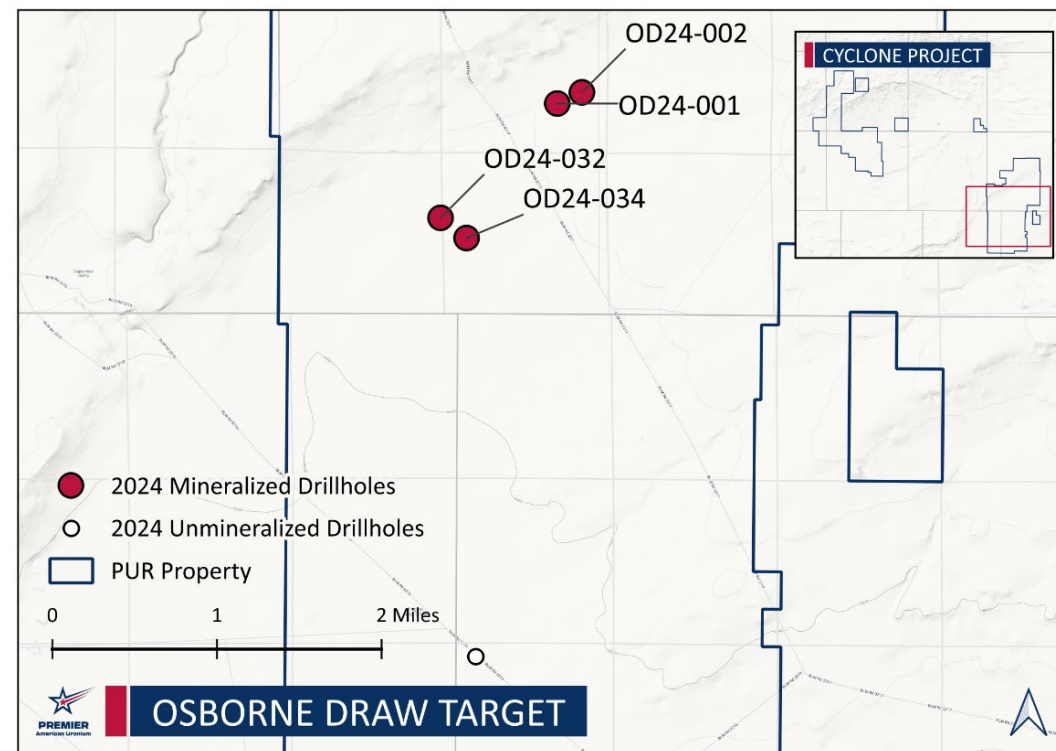


Hole ID	Intercept	From (ft down hole)	To (ft down hole)	Intercept Length (ft)	Grade (eU <sub>3</sub> O <sub>8</sub> )	G-T
CR24-033	Intersected	253.0	259.5	6.5	0.066%	0.43
	including			5.5	0.075%	0.41
	including			4.5	0.086%	0.39
CR24-036	Intersected	196.5	205.0	8.5	0.028%	0.24
	including			5.5	0.036%	0.19
	including			4.5	0.038%	0.17
CR24-038	Intersected	223.5	235.0	11.5	0.073%	0.84
	including			10.0	0.081%	0.81
	including			9.5	0.084%	0.79
CR24-043	Intersected	197.0	203.0	6.0	0.042%	0.25
	including			4.5	0.051%	0.23
	including			3.5	0.058%	0.20
CR24-046	Intersected	200.5	211.0	10.5	0.088%	0.92
	Including			10.0	0.092%	0.92
	Including			9.0	0.010%	0.90
CR24-049	Intersected	336.0	344.5	8.5	0.027%	0.23
	including			7.9	0.029%	0.22
	including			3.0	0.032%	0.09
	Including			1.0	0.034%	0.03

# CYCLONE PROJECT, WYOMING

## Drilling underway at Osborne Draw target

- Five preliminary drill holes (4,200 ft) were completed of the planned 36-hole program.
- Four of the five holes encountered uranium mineralization, and three of the drillholes encountered multiple mineralized intercepts, with individual drill intercepts of up to 0.021% eU<sub>3</sub>O<sub>8</sub> over 24.5 ft for a GT of 0.51.
- The bulk of the drilling planned for Osborne Draw is expected to occur in 2025.



# LEADERSHIP

Disciplined capital allocators with a strong track record in the uranium sector

## BOARD OF DIRECTORS



**Tim Rotolo, Chairman**  
Co-founder of Sachem Cove. Founder of URNM, sold to Sprott



**Marty Tunney**  
COO IsoEnergy,  
Mining Engineer



**Daniel Nauth**  
Lawyer, specialized in  
M&A and Corporate  
Finance



**Michael Harrison**  
Managing Partner  
Sprott



**Michael Henrichsen**  
Structural Geologist,  
former Newmont



**Jon Indall**  
Lawyer, specialized in  
shaping federal energy  
laws and policies

## MANAGEMENT AND ADVISORS



**Colin Healey, CEO**  
MBA, Mechanical Engineering  
Technician, former uranium  
analyst +20 years experience



**Greg Duras, CFO**  
CPA, and public  
company CFO  
+20 years experience



**Jason Atkinson,**  
**Corp Dev**  
Corporate Finance and  
M&A specialist  
+10 years experience



**Philip Williams,**  
**Strategic Advisor**  
CEO IsoEnergy, former  
CEO Consolidated Uranium  
+20 years experience

See "Cautionary Note Regarding Forward-Looking Information"

# TECHNICAL ADVISORS

Unparalleled experience in uranium exploration, development, permitting and operations



**Ted Wilton**  
Geologist

**+50 years, including  
+25 in uranium**  
Involved in discovering  
8 deposits with +10M oz Au in  
U.S. and Australia.



**Mike Nuemann**  
Environmental and  
Regulatory Affairs

**+40 years in uranium**  
Specialized in permitting in  
U.S. and Kazakhstan, gained  
regulatory approval for expansion  
of Daneros, compliance for Tony  
M, and Rim Mines in the U.S.



**Josh Holland**  
Environmental and  
Regulatory Affairs

**+20 years in uranium and  
manufacturing**  
Specialized permitting,  
government relations, and  
operations.



**Tyler Johnson**  
Geologist

**+15 years in uranium**  
Specialized in exploration,  
mine development, and  
resource estimation, formerly  
with Denison and Energy  
Fuels.



**J.J. Brown**  
Geologist

**+25 years in multiple  
commodities**  
Specialized in field exploration,  
including exploration program  
design and oversight, and  
technical reporting.



**Mike Thompson**  
New Mexico,  
Geologist

**+18 years in uranium**  
Specialized in uranium  
acquisitions, resource  
development, and  
environmental regulatory  
compliance.



# ACCOMPLISHMENTS AND KEY OBJECTIVES

## 2023

- ✓ Spin-out from Consolidated Uranium, now IsoEnergy
- ✓ Completed private placement of \$6.9M
- ✓ Commenced trading on the TSXV

## 2024 – 2025

- ✓ Announced acquisition of AMPS
- ✓ Commenced trading on the OTCQB marketplace
- ✓ Completed private placement of \$5.8M
- ✓ Updated Mineral Resource Estimate for Cebolleta, setting the stage for expansion drilling
- ✓ Strengthened Board, Management and Technical team with multiple appointments
- ✓ Completed acquisition of AMPS, bolstering leadership in the industry
- ✓ Completed inaugural drill program at Cyclone, Wyoming
  - Permitting, Exploration & Preliminary Economics (PEA) for Cebolleta, New Mexico
  - Second drill campaign at Cyclone ISR Project, Wyoming
  - Portfolio building M&A



**PREMIER**  
**American Uranium**

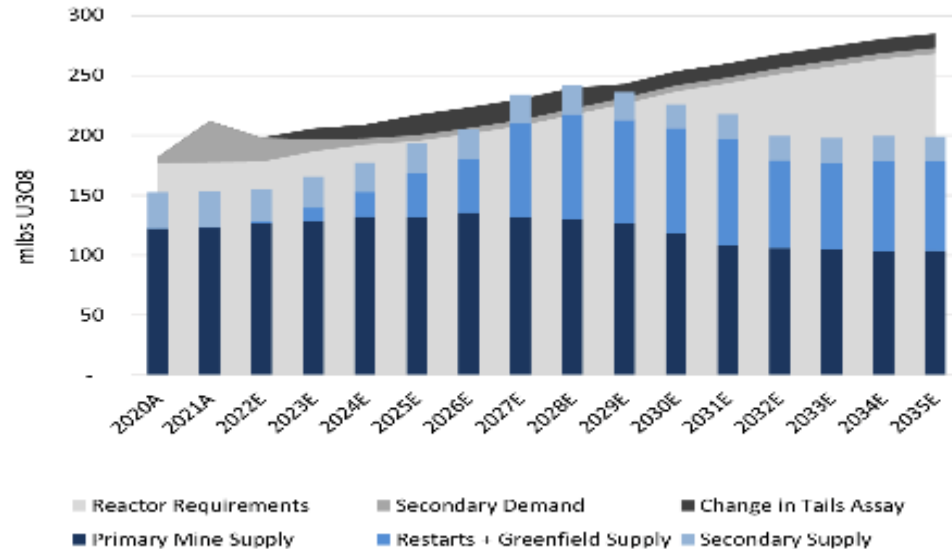
# APPENDIX

# URANIUM: FAVOURABLE SUPPLY & DEMAND DYNAMICS

Renewed period of long-term contracting may be the primary driver for higher prices as utilities focus on security of supply

The size of the deficit will necessitate higher cost mines (like those in the U.S.) previously thought uneconomic.

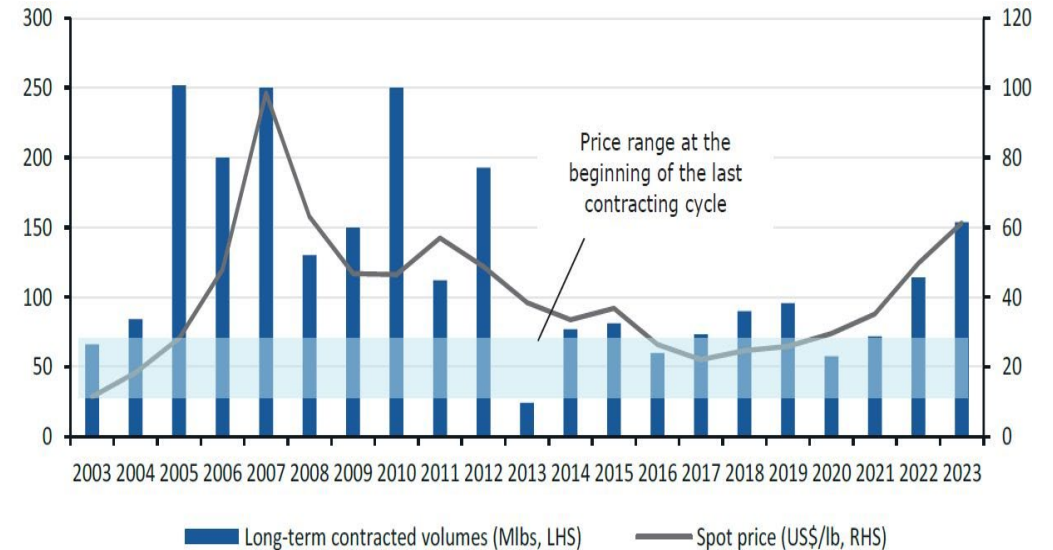
## DEMAND OUTSTRIPPING SUPPLY



Source: UxC LLC, World Nuclear Assoc, Company Reports, Canaccord Genuity estimates

2023 was the best year in the last decade for contract volumes.

## LONG-TERM CONTRACTING ON THE RISE



Source: Cameco, UxC

# URANIUM: OPPORTUNITY IN THE U.S.

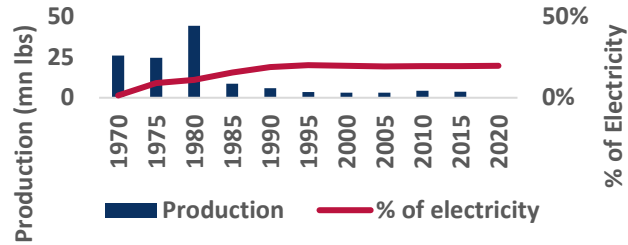
18.2% OF U.S. ELECTRICITY COMES FROM NUCLEAR POWER



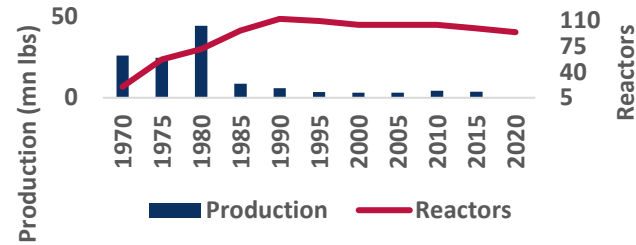
URANIUM UNDERPINS  
U.S. ENERGY, HEALTHCARE AND  
MILITARY DOMINANCE



U.S. PRODUCTION &  
NUCLEAR % OF ELECTRICITY



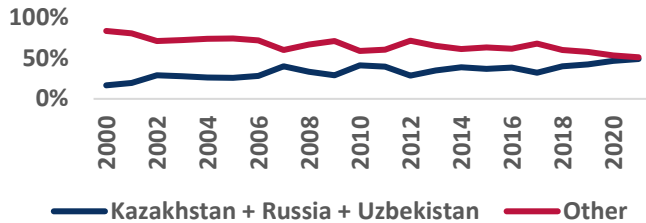
U.S. PRODUCTION &  
REACTORS



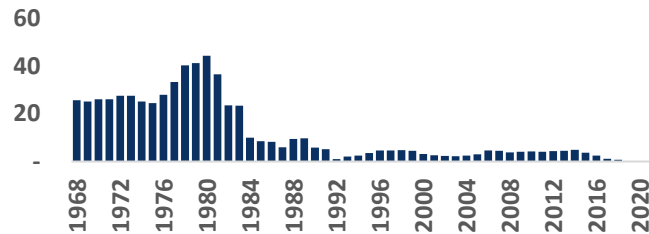
YET PRODUCTION IS DECLINING AND RELIANCE ON OTHERS IS INCREASING



U.S. UTILITY PURCHASES BY REGION AS  
PERCENTAGE OF TOTAL



U.S. MINE PRODUCTION  
(MN LBS U3O8)



- Uranium plays a vital role in maintaining economic stability
- **Without existing supplies**, the nation would lack a critical component that powers much of the naval fleet, and over 20 million medical procedures
- 93 reactors operate in the U.S., **the most of any country**
- In 2022 alone, 470 million metric tons of carbon emissions were avoided because of nuclear.

1. U.S. Energy Information Administration: Form EIA-851A, *Domestic Uranium Production Report (Annual)*, and Form EIA-851Q, *Domestic Uranium Production Report (Quarterly)*  
 2. <https://www.nei.org/resources/fact-sheets/u-s-nuclear-plants#:~:text=Across%20the%20United%20States%2C%2092>  
 3. See "Cautionary Note Regarding Forward-Looking Information"

# MONOGRAM MESA, COLORADO

Adjacent to multiple historic mines that produced nearly 5Mlbs

- 7,431 acres with 361 mining claims
- Multiple historic mines on the NE side and West
- Mines generally stable and dry, with numerous mineralized zones exposed
- Significant infrastructure surrounding the project including powerlines to the property, paved highway within miles of the property, mine roads crossing the property

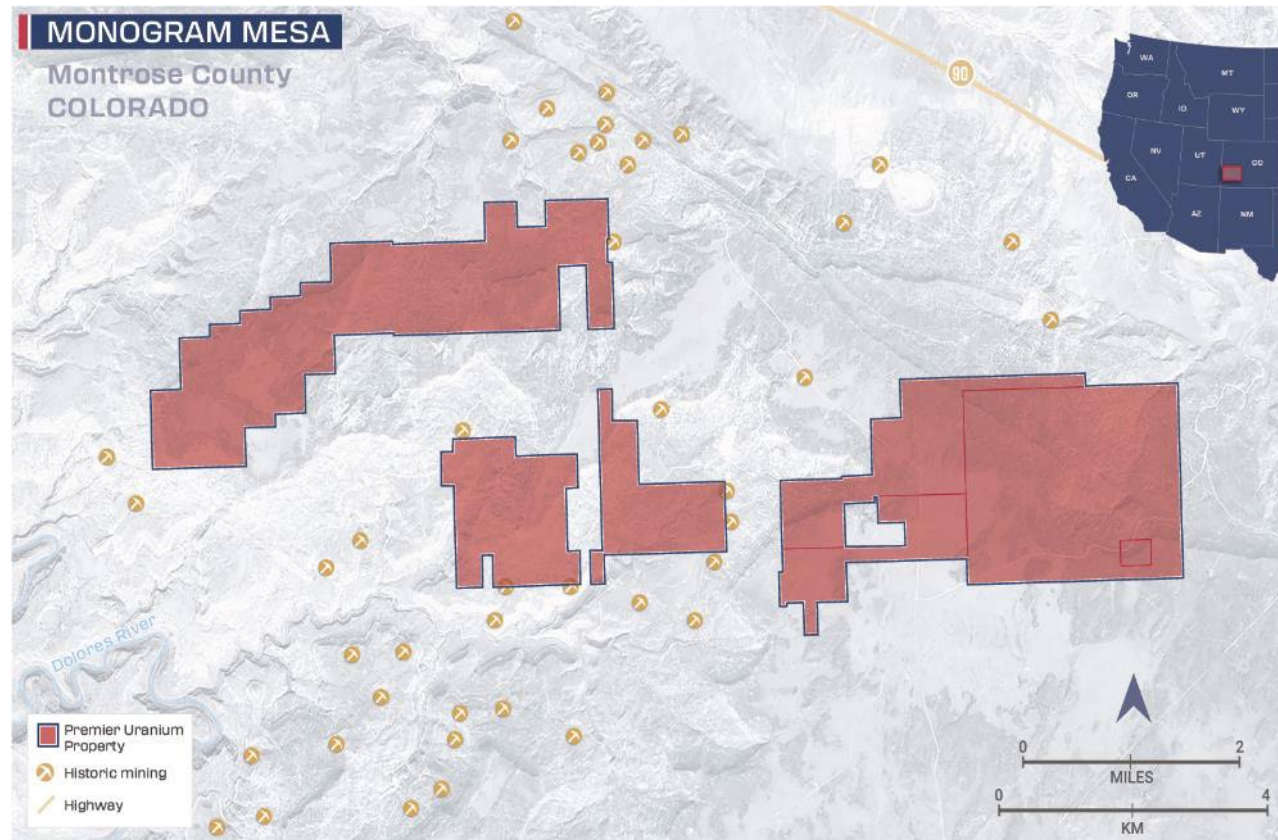
## Next Steps

- Exploration drilling program planned delineate mineralization
- Potential acquisition of surrounding properties consolidating area

### Historical Production<sup>1</sup>

Area	Tons Produced (short tons)	U3O8 Grade (% U3O8)	Pounds of U3O8	V2O5 Grade (% V2O5)	Pounds of V2O5
Monogram Mesa Mines	840,761	0.30	4,992,179	1.19	20,001,113

1. Nelson-Moore, James L, Donna Bishop Collins and A. L. Hornbaker, 1978; Radioactive Mineral Occurrences of Colorado, Colorado Geological Survey Bulletin 40, 1,054 pages, 18 figures, 3 tables, 12 plates.
2. See "Cautionary Note Regarding Forward-Looking Information".



# ATKINSON MESA, COLORADO

## Most substantial uranium-vanadium production within the entire Uravan belt

- 5,863 acres comprising: 172 mining claims and 4 DOE leases.
- Land package includes patented (fee simple) mining claims on the Dolores Bench
- Several small-scale mines on the project
- Large-scale underground mine [the King Solomon mine] developed in 1975<sup>1</sup>

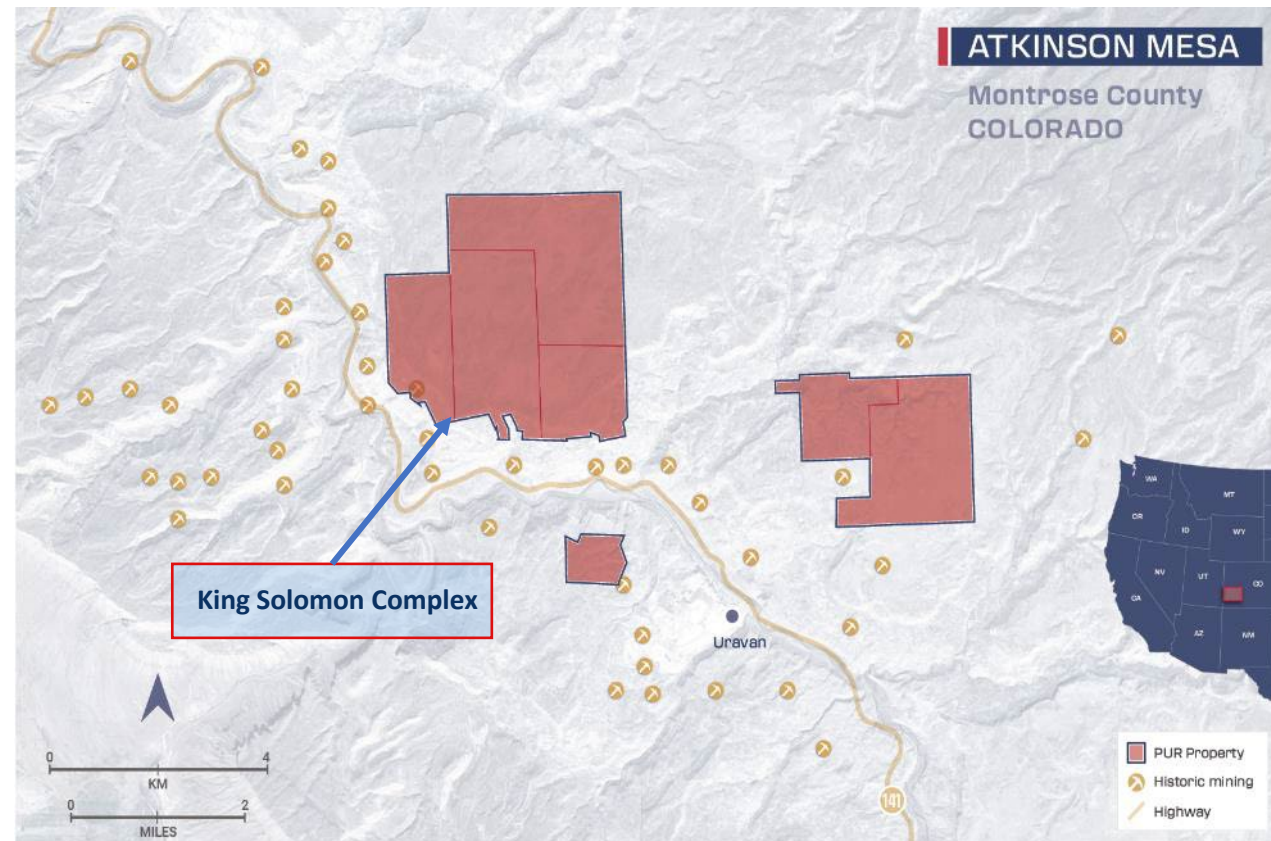
### Next Steps

- Acquire historical drilling and mine production data
- Undertake drilling program to confirm historical drill results and define the extent of mineralization in the central and northern parts of the properties

### Historical Production<sup>1</sup>

Area	Tons Produced (short tons)	U3O8 Grade (% U3O8)	Pounds of U3O8	V2O5 Grade (% V2O5)	Pounds of V2O5
King Solomon Complex	1,230,000	0.21	5,160,000	1.11	26,540,000

1. Goodnight, Chenoweth, Dayvault and Cotter, 2005: Geologic Road Log for Uravan Mineral belt Field Trip; Prepared for Geological Society of America 2005 Annual Meeting.
2. See "Cautionary Note Regarding Forward-Looking Information".



# OUTLAW MESA AND SLICK ROCK, COLORADO

## Multiple historic mines with exploration potential

- Outlaw Mesa - Total project covers 5,759 acres with 2 DOE leases.
- Slick Rock - Total project covers 1,226 acres with 2 DOE leases.
- Historic production from multiple mines, including the well known:
  - Slick Rock
  - Calamity Mines
- All leases contain uranium & vanadium mineralization

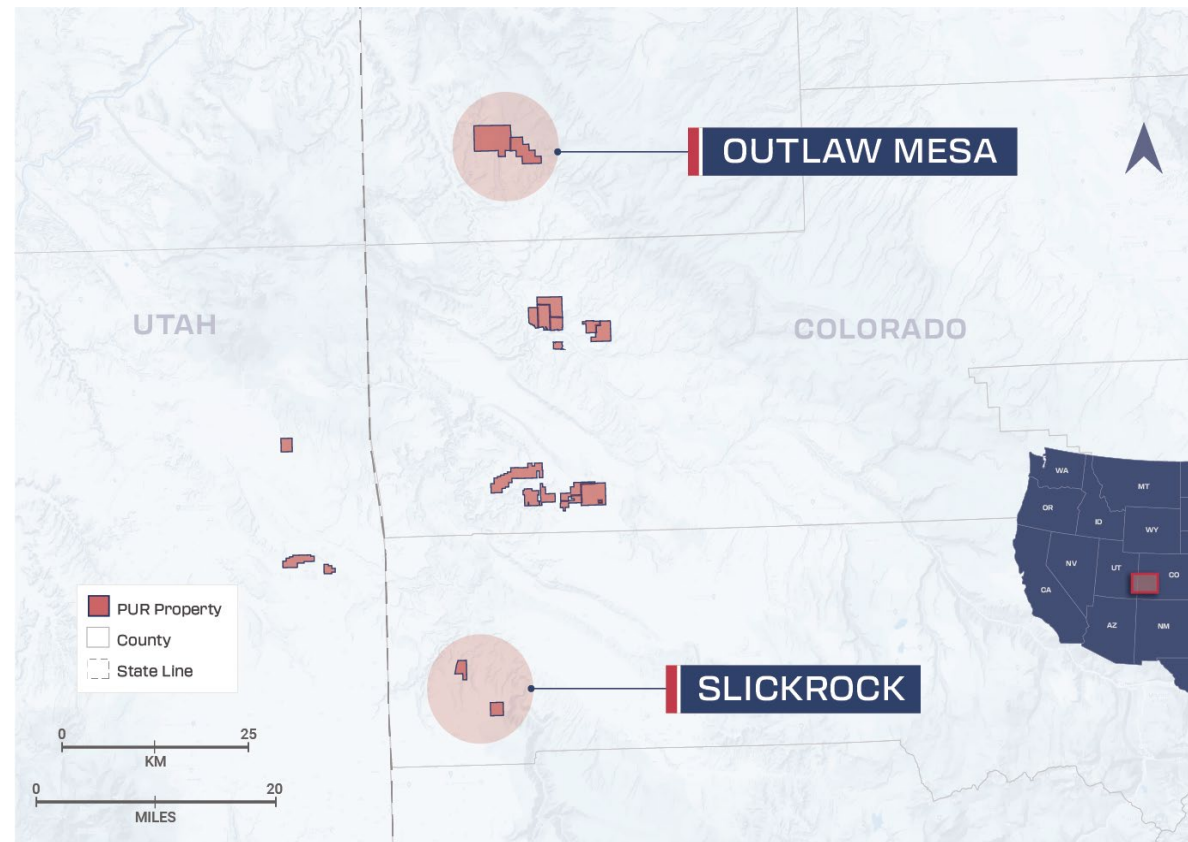
### Next Steps

- New 10-year leases signed with the US Department of Energy in Jan 2020
- Data review and drill targeting.

### Historical Production<sup>1</sup>

Property	Tons (short)	Grade (%U3O8)	Pounds U3O8	Grade V2O5	Pounds V2O5
Slick Rock	434,300	0.34	2,953,600	1.30	11,333,800
Outlaw & Calamity Mesas	423,500	0.34	2,917,200	1.29	10,994,500

1. Nelson-Moore, James L, Donna Bishop Collins and A. L. Hornbaker, 1978; Radioactive Mineral Occurrences of Colorado, Colorado Geological Survey Bulletin 40, 1,054 pages, 18 figures, 3 tables, 12 plates.  
 2. See "Cautionary Note Regarding Forward-Looking Information".



# ADDITIONAL INFORMATION

## Sources for Slide 6

1. <https://www.congress.gov/bill/118th-congress/house-bill/1042>
2. <https://www.spglobal.com/commodityinsights/en/market-insights/latest-news/electric-power/120223-cop28-22-nations-pledge-to-triple-nuclear-generation-capacity-by-2050>
3. <https://www.energy.gov/articles/cop28-us-canada-france-japan-and-uk-announce-plans-mobilize-42-billion-reliable-global>
4. <https://www.bloomberg.com/news/articles/2024-03-03/us-reactor-fuel-makers-get-2-7-billion-boost-in-funding-bill>
5. <https://thebulletin.org/2024/12/ai-goes-nuclear/#:~:text=The%20sudden%20interest%20in%20nuclear,AI's%20%E2%80%9C%20crazy%E2%80%9D%20energy%20demands.>
6. <https://www.cnn.com/2024/09/10/oracle-is-designing-a-data-center-that-would-be-powered-by-three-small-nuclear-reactors.html?msockid=0598c2735fb06bba130dd6255e406ab7>
7. <https://electrek.co/2024/03/05/amazon-just-bought-a-100-nuclear-powered-data-center/>
8. <https://www.utilitydive.com/news/meta-seeks-up-to-4-gw-of-new-nuclear-power-to-help-meet-ai-sustainability/734599/#:~:text=from%20your%20inbox,-,Meta%20seeks%20up%20to%204%20GW%20of%20new%20nuclear%20power,early%202030s%2C%20it%20said%20Tuesday.&text=The%20Three%20Mile%20Island%20nuclear,Retrieved%20from%20Marque1313.&text=This%20audio%20is%20auto%2Dgenerated,know%20if%20you%20have%20feedback>
9. <https://www.bbc.com/news/articles/cx25v2d7zexo>

## Additional Details for Slide 10-12

1. As determined by BRS Engineering, sufficient historical exploration data is available for the North and East claim blocks to define an exploration target, which shows a range of 6.5 million short tons averaging 0.06% U<sub>3</sub>O<sub>8</sub> (7.9 million lbs. U<sub>3</sub>O<sub>8</sub>) to 10.5 million short tons averaging 0.06% U<sub>3</sub>O<sub>8</sub> (12.6 million lbs. U<sub>3</sub>O<sub>8</sub>). The potential quantity and grade of this exploration target is conceptual in nature and based on the geologic interpretation that mineralization is Sandstone Type mineralization, aerial radiometric anomalies, and indications of the presence of oxidation reduction interfaces with mineralization from available drill data. There has been insufficient exploration to define a mineral resource and it is uncertain if a mineral resource will be delineated. For the definition of the exploration target, the following criteria based on direct knowledge and experience in the area and similar sandstone hosted uranium deposits in Wyoming was used: (i) a minimum cut-off grade of 0.02% U<sub>3</sub>O<sub>8</sub> and a grade thickness product (GT) of 0.10, (ii) a radiometric disequilibrium factor of 1, and (iii) a bulk density of 16 cubic feet per ton.




# Contact Us



**PREMIER**  
American Uranium

Premier American Uranium

 **1-833-223-4673**

 **info@premierur.com**

 **@PremierAUranium**

 **linkedin.com/company/premier-american-uranium**

 **www.premierur.com**