



**Investor Presentation**

# **ADVANCING LO HERMA “ISR” URANIUM PROJECT**

*Unlocking Low-Cost American Uranium Production*

**August 2025**

**ASX:GTR & OTC:GTRIF**

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## **COMPETENT PERSONS STATEMENT**

Information in this announcement relating to Exploration Results, Exploration Targets, and Mineral Resources is based on information compiled and fairly represents the exploration status of the project. Doug Beahm has reviewed the information and has approved the scientific and technical matters of this disclosure. Mr. Beahm is a Principal Engineer with BRS Engineering Inc. with over 45 years of experience in mineral exploration and project evaluation. Mr. Beahm is a Registered Member of the Society of Mining, Metallurgy and Exploration, and is a Professional Engineer (Wyoming, Utah, and Oregon) and a Professional Geologist (Wyoming). Mr. Beahm has worked in uranium exploration, mining, and mine land reclamation in the Western US since 1975 and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and has reviewed the activity which has been undertaken, to qualify as a Competent Person as defined in the 2012 Edition of the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of exploration results, Mineral Resources & Ore Reserves. Mr. Beahm provides his consent to the information provided. The information in this release that relates to MREs at the Great Divide Basin project was prepared by BRS and released on the ASX platform on 5 April 2023. The information in this release that relates to MREs at the Lo Herma project was prepared by BRS and released on the ASX platform on 12 December 2024. The Company confirms that it is not aware of any new information or data that materially affects the information included in this announcement and, in the case of mineral resource estimates, that all material assumptions and technical parameters underpinning the estimates in this announcement continue to apply and have not materially changed.

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# Investment Highlights

GTI Energy is advancing one of the few near-term, low-cost, In-Situ Recovery (ISR) uranium projects in the U.S.

"positioned to deliver value from America's nuclear revival and drive for uranium supply independence"

- 100% owned ISR uranium assets in Wyoming, U.S.
- Lo Herma Updated MRE: 8.57Mlbs  $U_3O_8$  (32% indicated) with substantial exploration target
- Lo Herma Scoping Study confirms potential for robust project economics
- Strategic positioning adjacent to major ISR operations (Cameco, Ur-Energy, UEC, Energy Fuels)
- Cornerstone strategic investor Snow Lake Energy (NASDAQ: LITM) to join GTR register with 9.9%



# Corporate Snapshot

GTI Energy is focused on defining and developing economic ISR Uranium resources as part of the US domestic uranium mining revival



## CAPITAL STRUCTURE PRIOR TO PLACEMENT TRANCHE 2 AND 1:40 SHARE CONSOLIDATION

ASX Code	GTR
Shares on Issue (5 Aug 2025)	3,722,654,806
Share Price (5 Aug 2025)	A\$0.003
Market Capitalisation	A\$11.2m
Cash (30 Jun 2025; excl. T1 \$2.5m)	A\$0.3m*
Enterprise Value (excl. T1 \$2.5m)	A\$10.9m*
Top 20 Shareholders (5 Aug 2025)	33.6%

**Note:** Table includes Placement Tranche 1 of \$2.5m and excludes effect of Placement Tranche 2 for ~\$2m

## DIRECTOR'S INTEREST

Bruce Lane	0.77%	28,500,435
Matthew Hartmann	0.30%	11,000,000
Petar Tomasevic	0.17%	6,470,000
James Baughman	0.13%	5,000,000
Simon Williamson	0.08%	3,000,000

# Proforma Capital Structure

## Post Placement Tranche 2 and 1:40 Shares Consolidation



Capital Structure	Shares	Listed Options (GTROC)	Performance Rights (Class C)	Performance Rights (Class D)
Pre-Consolidation (Pre-Tranche 2 Placement)	3,722,654,805	757,263,611	2,000,000	33,000,000
Maximum number of securities to be issued under the NOM (Tranche 2 Placement)	606,152,001	1,091,428,571	–	–
<i>Pre-Consolidation (Post Tranche 2 Placement)</i>	<i>4,328,806,806</i>	<i>1,848,692,182</i>	<i>2,000,000</i>	<i>33,000,000</i>
<b>Post-Consolidation (Completion of NOM Resolutions)</b>	<b>108,220,170</b>	<b>46,217,304</b>	<b>50,000</b>	<b>825,000</b>

### Key upcoming dates:

Proxies close (12pm AEST Mon 11-Aug-25) and General Meeting (12pm AEST Wed 13-Aug-25)





# **U.S. & Nuclear Energy Demand**



# Why Uranium, Why Now?

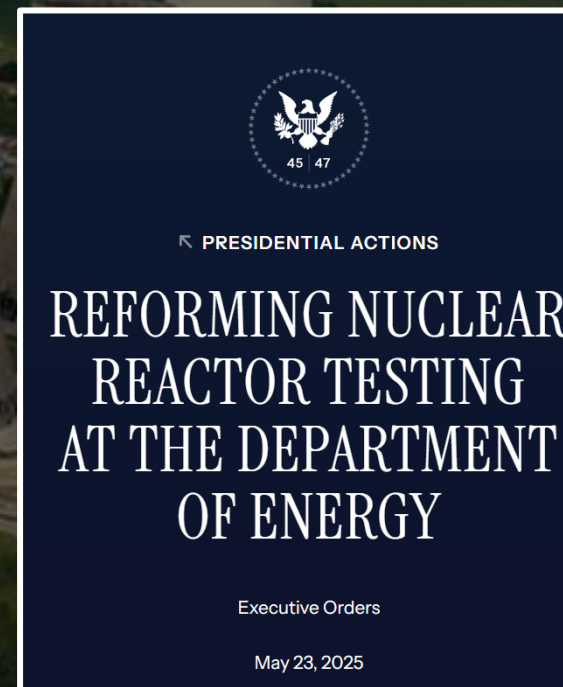
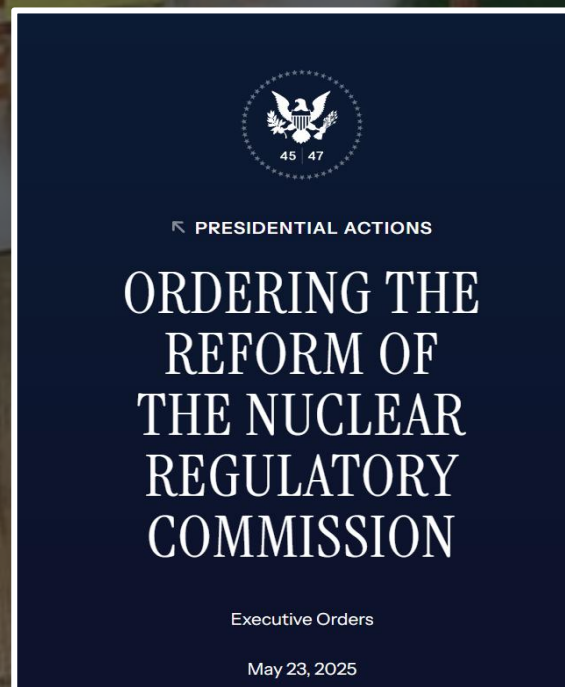
## Presidential Actions

20 Jan, 2025 – Declaring A National Energy Emergency

## Executive Orders, Presidential Memorandums and AI Action Plan

23 May, 2025 – President Donald J. Trump Reinvigorates the Nuclear Industrial Base

30 June 2025 – Simplifying the Funding of Energy Infrastructure and Critical Mineral and Material Projects



# U.S. Energy Policy Shift

FACT SHEETS

## Fact Sheet: President Donald J. Trump Reinvigorates the Nuclear Industrial Base

The White House

May 23, 2025

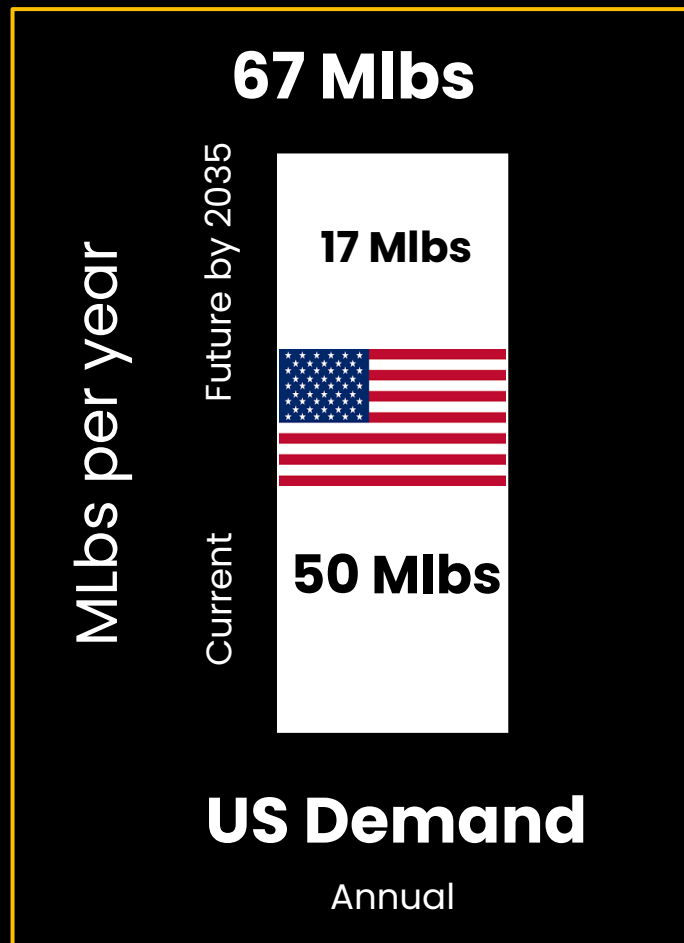
- The Secretary of Energy is authorised to support the establishment of nuclear industry consortia by ensuring offtake for newly established domestic fuel supply across **milling**, conversion/deconversion, enrichment, fabrication, and recycling and reprocessing
- To enable the long-term expansion of nuclear energy, the Federal government shall pursue policies to maximize the value of nuclear fuel and expand the **domestic nuclear fuel supply chain**
- This Executive Order supplements the Administration's actions on mineral production to ensure that we can not only **mine**, but also process and refine, nuclear fuel domestically



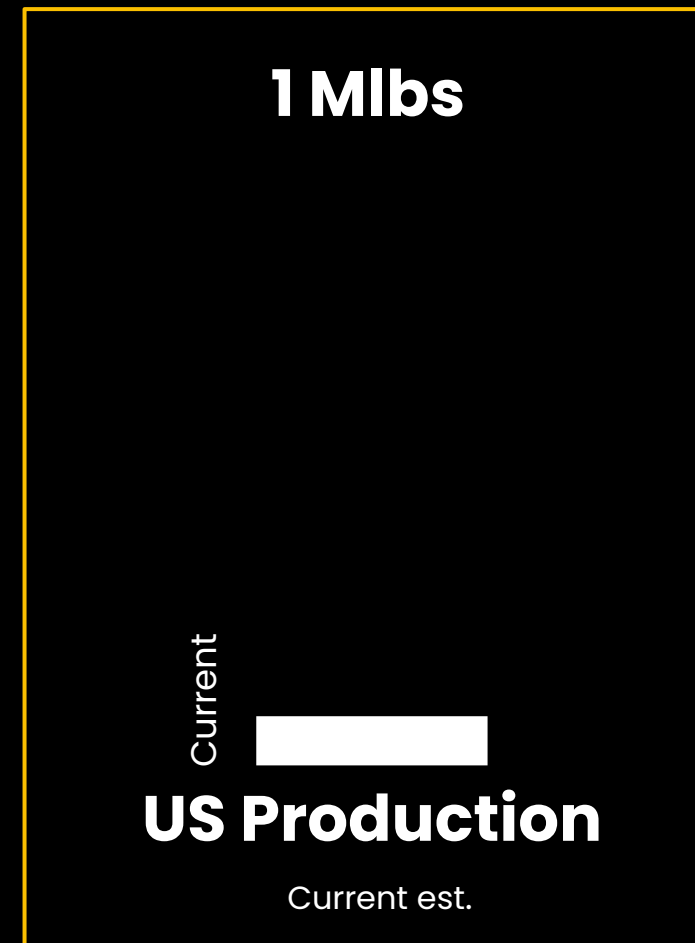
# Projected U.S. Uranium Need

Current Demand and Projected 2035 Demand versus Production (millions of pounds  $U_3O_8$ )

- U.S. Liftoff Report Commits To Triple Nuclear By 2050
- Current reactor fleet of 94 gigawatt scale reactors consume ~50 Mlbs uranium p.a.
- Trump Executive Order calls for 4x more nuclear power



vs.



# GTI Project Strategy

## 1st Priority

### Lo Herma

Wyoming, Powder River Basin  
13,500 acres



#### Early Development

- **8.57Mlbs** U<sub>3</sub>O<sub>8</sub> JORC
- Exploration Target
- Positive Scoping Study
- Current mine life 7-yr  
Central Processing Plant  
or Satellite Option

### GDB/Thor + Green Mtn

Wyoming, Great Divide Basin  
34,000 acres



#### Brown Fields Intermediate

Historic drilling with 2  
seasons of GTI drilling.  
Maiden JORC inferred  
resource of 1.66Mlbs  
reported with  
significant Exploration  
Target



#### Brown Fields Earlier Stage

Drill targeting  
completed based on  
historical drilling &  
trend maps. Aerial  
geophysics has refined  
drill targeting.  
12 MILES OF TREND  
Drilling permitted

### Henry Mtns

Utah – Colorado Plateau  
4,000 acres



#### Brown Fields Earlier Stage

Uranium/vanadium  
projects significant  
historical mining &  
exploration with potential  
for renewed exploration,  
resource development or  
other value creating  
activities

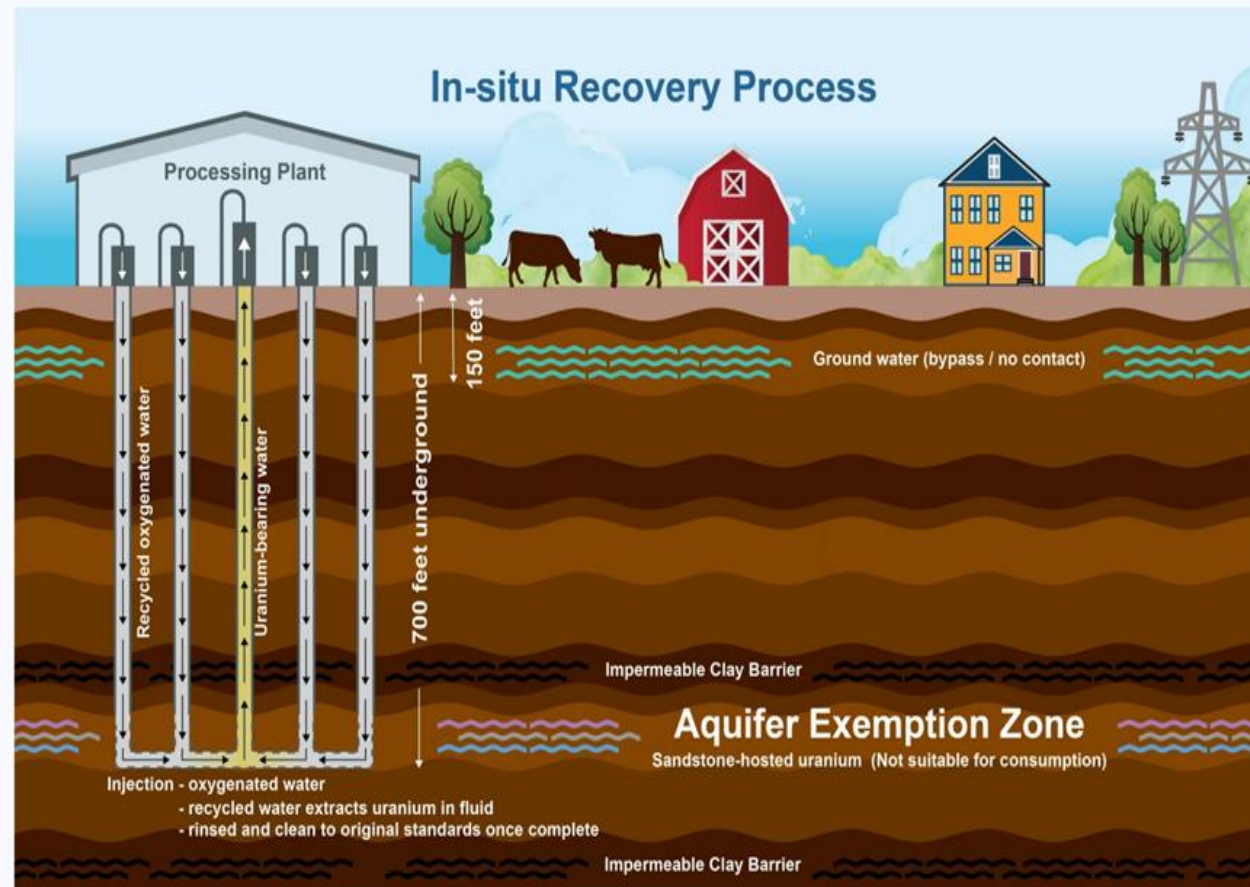


Wyoming

# In-Situ Recovery in Wyoming

# Insitu Recovery (ISR) Mining

Environmentally Superior & Economically Competitive



ISR uses injection wells which add oxygen and carbon dioxide creating a lixiviant solution; uranium dissolves into the solution

Recovery wells pump the solution back to the surface to a processing facility

Monitoring wells surround the wells

60% of global uranium is produced through ISR

Environmental impact manageable - no tailings, minimal dust and less water consumption than conventional mining

Economic advantage - operate at ~ 2/3 the cost of conventional mining

Average CAPEX of ISR operations less than 15% of conventional mines

Source: United States Nuclear Regulatory Commissions ([www.nrc.gov](http://www.nrc.gov)) (1) World Nuclear Association – World Mining Uranium Production (December 2020) (2) TradeTech – The Nuclear Review (October 2016)

**Insitu Recovery (ISR) Mining = Insitu Leach (ISL) Mining = Solution Mining**



## **Smith Ranch-Hyland**

**Cameco's ISR Uranium Mine, Glenrock, WY**



## **Rossing**

**Conventional Open Pit Uranium Mine, Namibia**



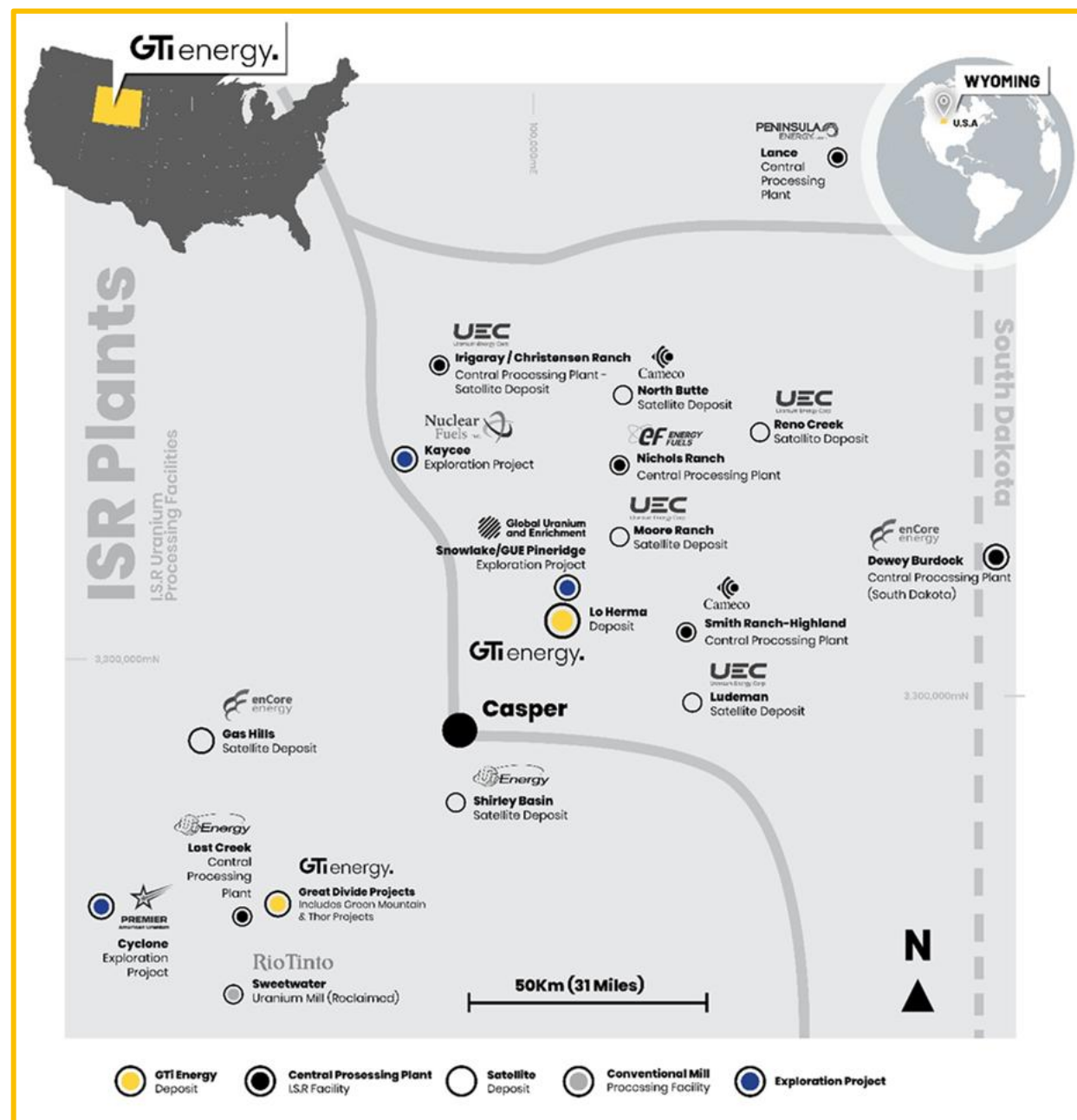


Wyoming

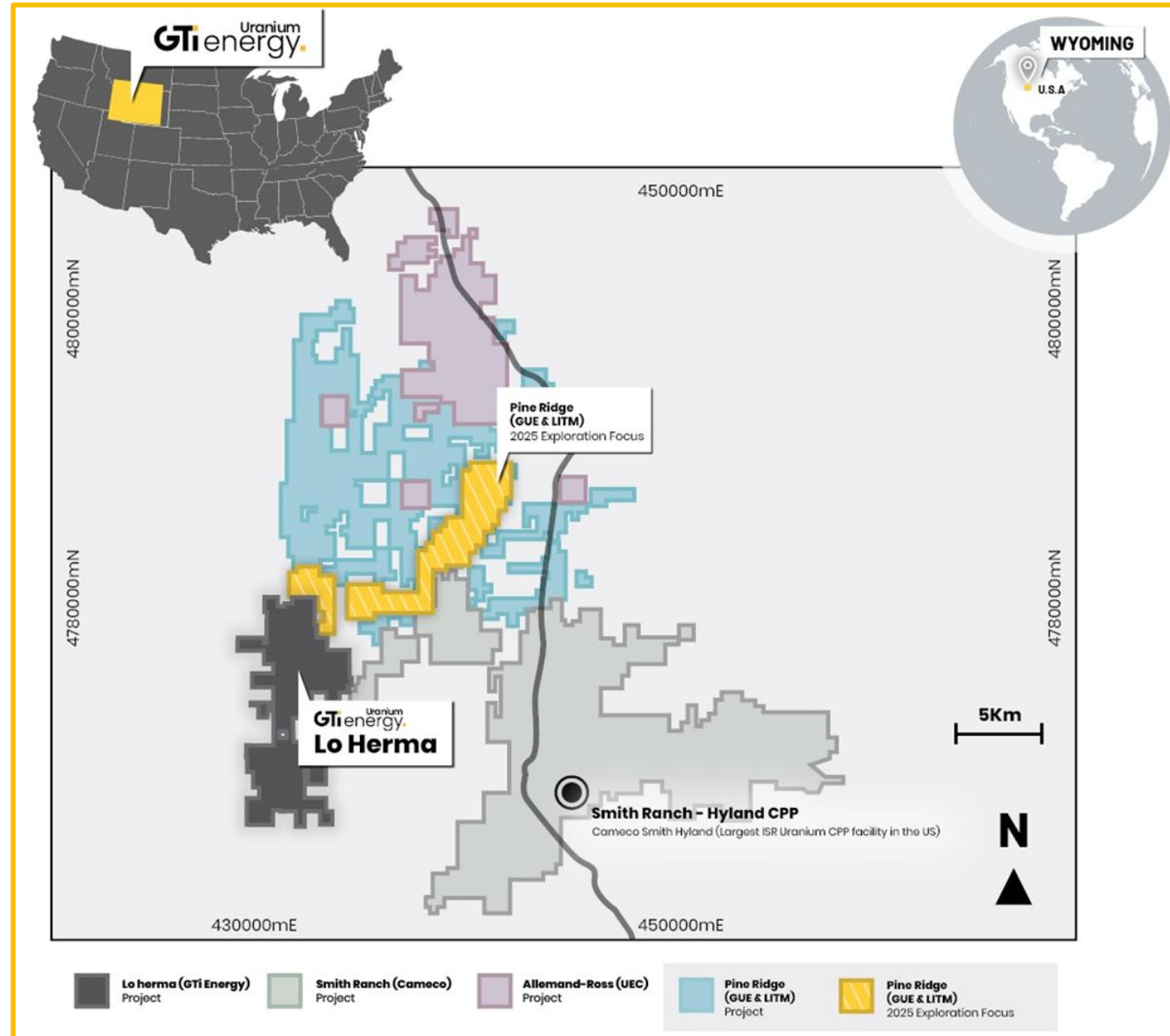
# Wyoming's Uranium Basins



# The Wyoming ISR Uranium Landscape

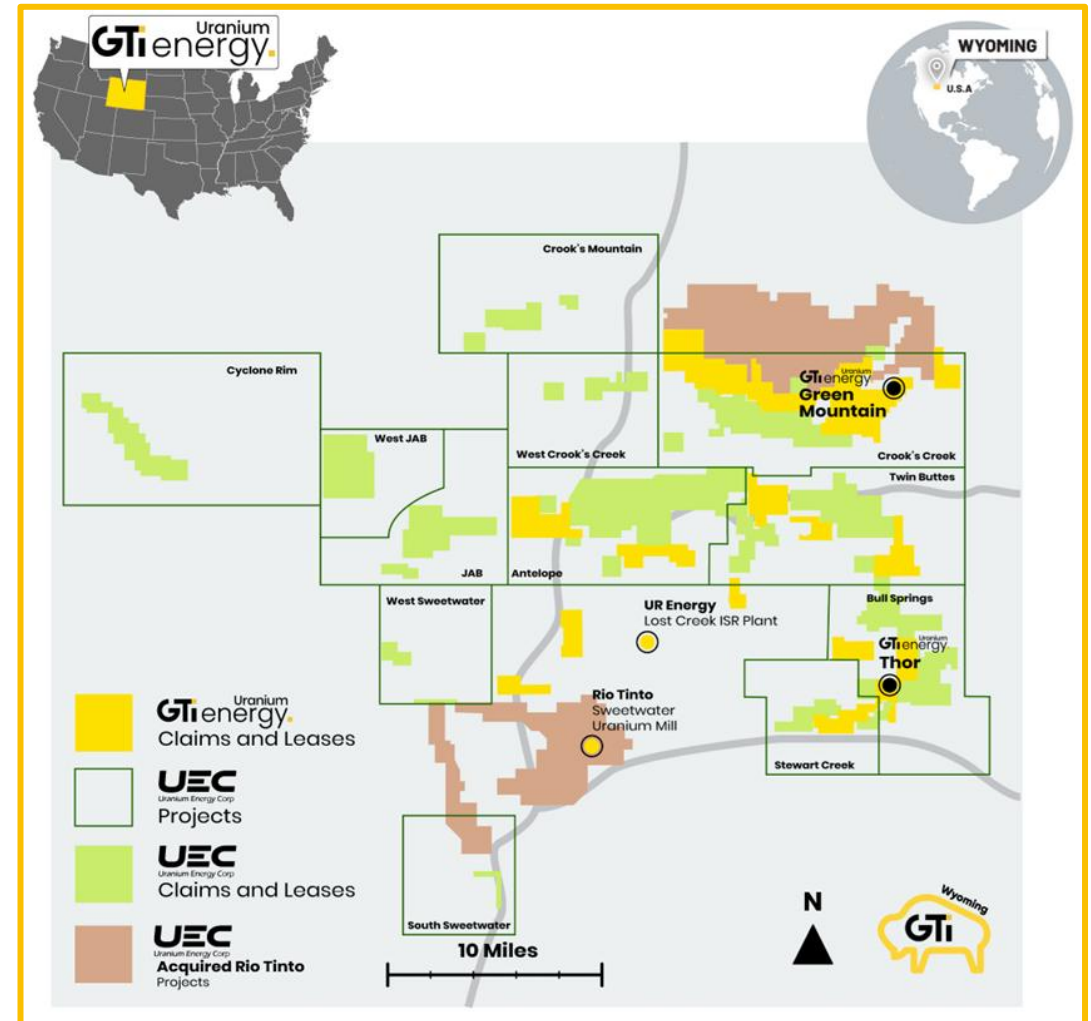
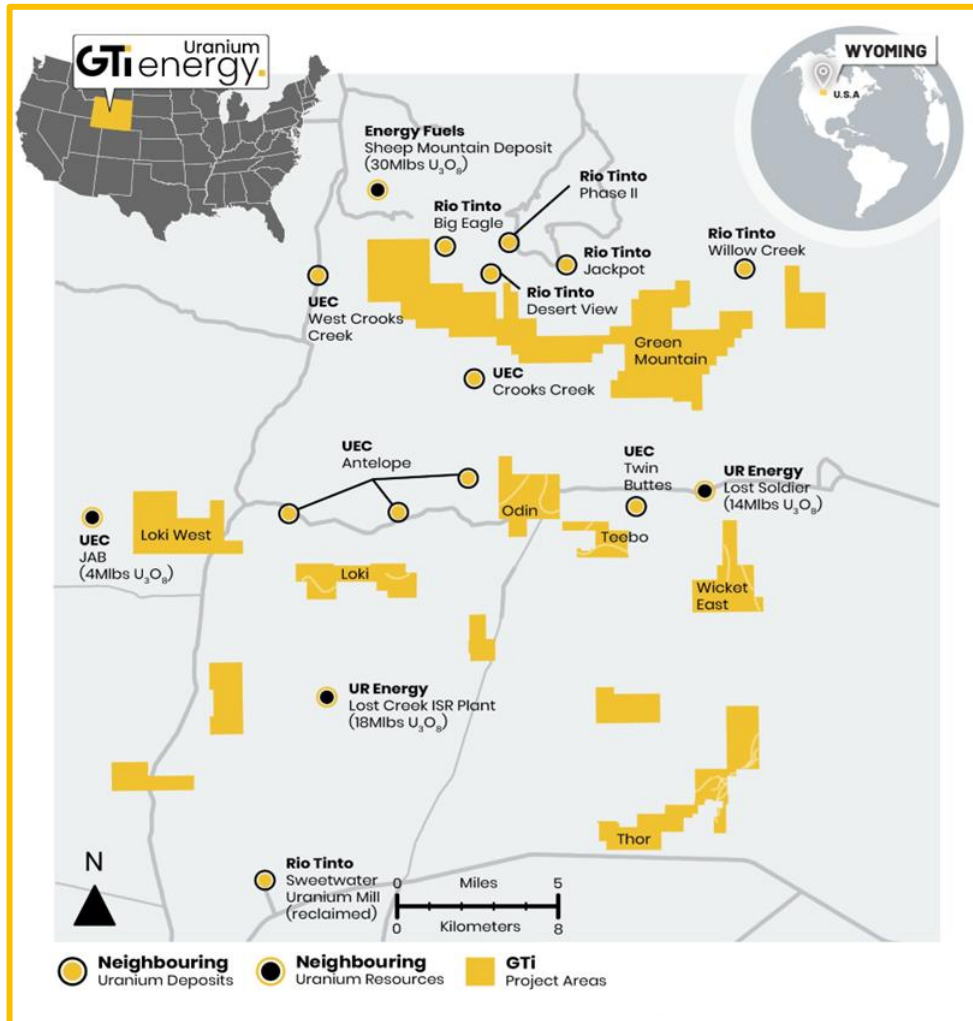


# Powder River Basin and the Lo Herma Project





# Great Divide Basin and Green Mountain Uranium Projects



Wyoming

# Lo Herma ISR Uranium Project





# Lo Herma Project

## Location, Location, Location: The Best Neighbourhood

- Located in Wyoming's Powder River Uranium Basin, the most significant uranium production district in the U.S.
- Wyoming is home to 7 permitted (2 operating & 3 in construction or restarting) ISR uranium mines with the largest uranium endowment in the U.S
- Less than 10 km from the Cameco Smith Ranch Hyland Project, the largest in the US
- Approx. 35 mins to Casper, WY
  - Sealed roads for transport and shipping
  - Area replete with infrastructure, power and skilled labour

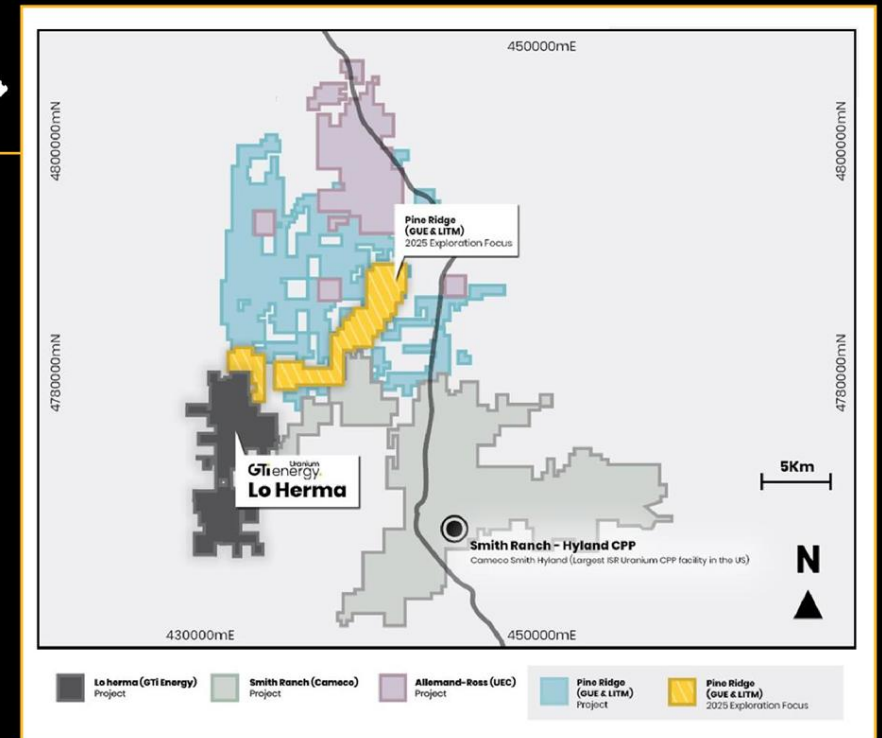
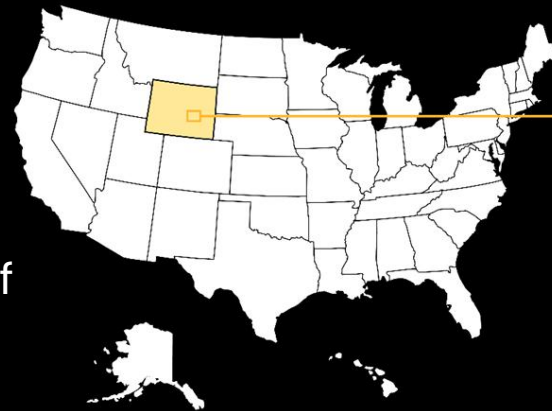


ISR PLANT/S	MILES FROM GTI DEPOSIT	ISR PLANTS COMBINED PERMITTED CAPACITY
Cameco	< 10	5,500,000
UEC Uranium Energy Corp	< 60	6,300,000
Energy	< 15-60	3,200,000
enCore energy	< 100	1,000,000
PENINSULA ENERGY	< 110	3,000,000
EF ENERGY FUELS	< 45	2,000,000

# Lo Herma Project

## 100%-owned In-Situ Recovery Uranium Project (13,500 acres)

- A low-cost ISR uranium project in Wyoming's premiere basin
- Strategically located to capitalise on strong support for domestic uranium supply growth
- Large historical data set now verified and expanded through two seasons of drilling – current 8.57 Mlb I&I JORC resource (32% Indicated) with 6–11 Mlb exploration target
- Drill permit approved and rigs secured for up to 121 drill holes (up to 37,500m)
- Drilling to grow and upgrade Mineral Resource Estimate (MRE) whilst collecting additional core sample and hydrogeological data










# Lo Herma Scoping Study Outcomes

## Confirms potential for competitive, low-cost ISR uranium operation

- Both central processing plant (CPP) & satellite operation (Satellite) options provide strong economics and optionality for future development
- Strong potential to extend the mine life by converting Exploration Target into Mineral Resources in the mine plan
- Further infill drilling required to increase current 32% proportion of indicated resource

# Wyoming ISR Project Economics

PROJECT <sup>1</sup>	OWNER	MI & Inferred RESOURCE (lbs U <sub>3</sub> O <sub>8</sub> )	EXPLORATION TARGET (lbs U <sub>3</sub> O <sub>8</sub> )	STUDY LEVEL	INITIAL CAPEX (US\$)	U <sub>3</sub> O <sub>8</sub> PRICE ASSUMPTION (US\$)	NPV (Pre-Tax) (US\$)	IRR (Pre-Tax)
<b>DEWEY BURDOCK</b> Central Processing Plant		17,834,771	–	PEA (2019)	\$31.7M	\$86/lb	NPV <sub>8</sub> \$181M	39%
<b>SHIRLEY BASIN</b> Satellite Plant		8,816,000	–	PEA/FID (2022/2024)	\$40.7M	VARIABLE \$82–\$86/lb	NPV <sub>8</sub> \$120M	83.7%
<b>LO HERMA</b> Central Processing Plant		5,980,000 under Study	6–11 mlbs at 500–700 ppm	Scoping (PEA equivalent)	–	–	–	–
<b>NICHOLS RANCH</b> Central Processing Plant Plus Satellites		8,243,833	–	PEA (2021)	RESTART	\$65/lb	NPV <sub>5</sub> \$46M	–
<b>GAS HILLS</b> Satellite Plant		8,133,000 (ISR Amenable)	–	PEA (2021) SK 1300 (2025)	\$55.20M	\$87/lb	NPV <sub>8</sub> \$166.9M	54.8%

<sup>1</sup> Taken from publicly available information: see slide 35 for mineral resources broken down by classification for each project, and references for both mineral resources and project economics.



# JORC Resources & Exploration Targets

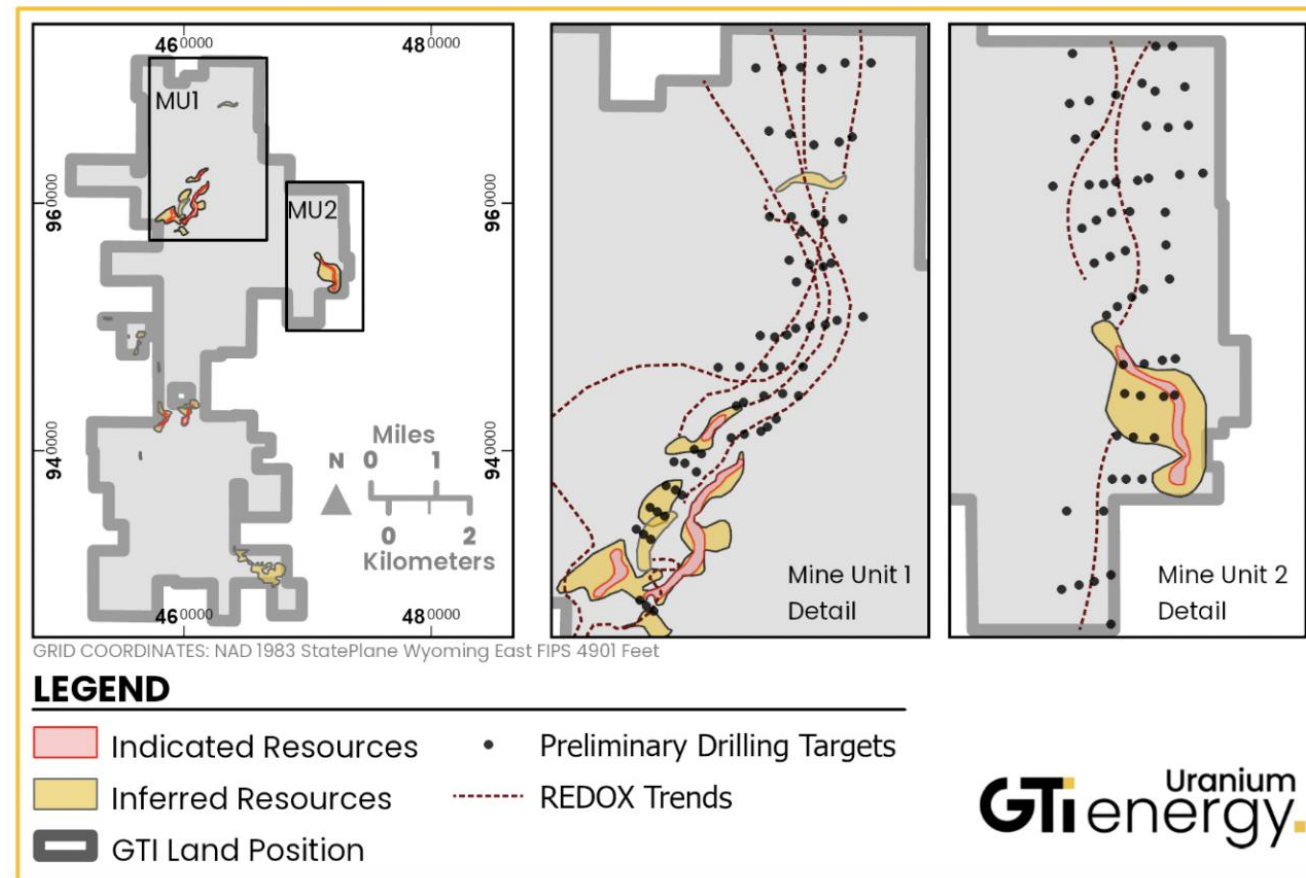
MINERAL RESOURCE ESTIMATES (MRE)*	TONNES (MILLIONS)		AVERAGE GRADE (PPM U <sub>3</sub> O <sub>8</sub> )		CONTAINED U <sub>3</sub> O <sub>8</sub> (MILLION POUNDS)	
LO HERMA (Indicated & Inferred MRE)	6.21		630		8.57 (incl. 2.78 Indicated; 32%)	
GREAT DIVIDE BASIN (Inferred MRE)	1.32		570		1.66	
WYOMING (TOTAL MRE)	7.53				10.23	
EXPLORATION TARGETS (ETR)**	MIN TONNES (MILLION TONNES)	MAX TONNES (MILLION TONNES)	MIN GRADE (ppm U <sub>3</sub> O <sub>8</sub> )	MAX GRADE (ppm U <sub>3</sub> O <sub>8</sub> )		
GDB Exploration Target Range	6.55	8.11	420	530		
LO HERMA ETR – Updated 12/12/24	5.59	7.10	500	700		
TOTAL EXPLORATION TARGET	12.14	15.21				

\* Refer to ASX release on 12/12/2024 – Lo Herma MRE comprises 1.91Mt @660 eU<sub>3</sub>O<sub>8</sub> ppm Indicated and 4.30Mt @610 eU<sub>3</sub>O<sub>8</sub> ppm Inferred.

\*\* The potential quantity and grade of the Exploration Targets is conceptual in nature and there has been insufficient exploration to estimate a JORC-compliant Mineral Resource Estimate. It is uncertain if further exploration will result in the estimation of a Mineral Resource in the defined exploration target areas. The Exploration Targets have been estimated based on historical drill maps, drill hole data and drilling by GTI conducted during 2023 to verify the historical drilling information. There are now 880 drill holes in the Lo Herma project area and the Company conducted ariel geophysics at the project as reported during 2023. The Lo Herma drill program conducted during 2023 and the drill program now underway are designed, in part, to test the Lo Herma Exploration Target.

# Lo Herma Drilling Program 2025

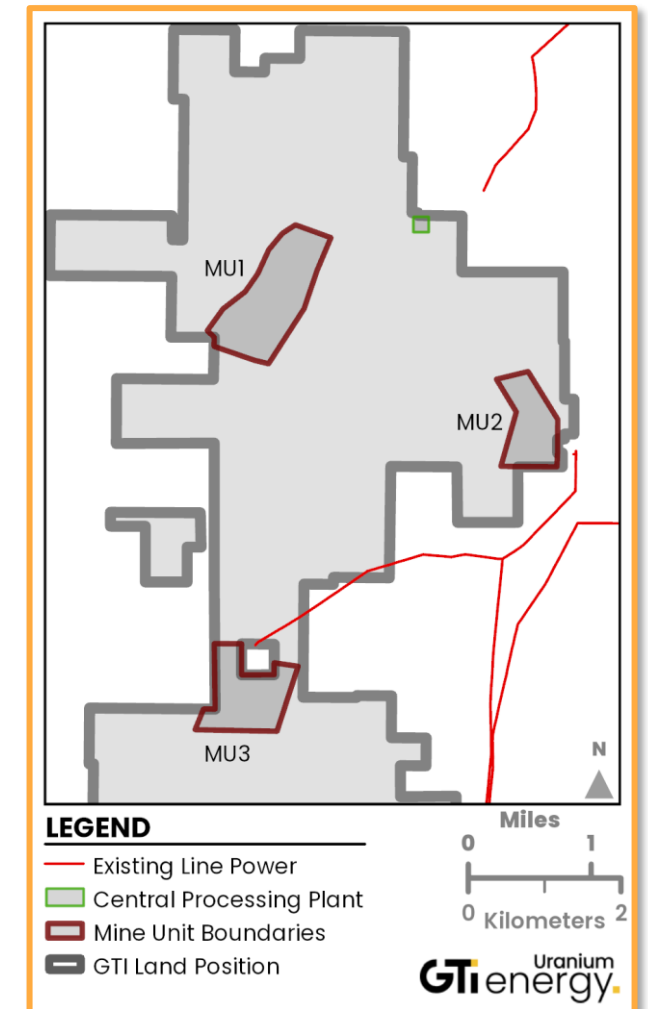
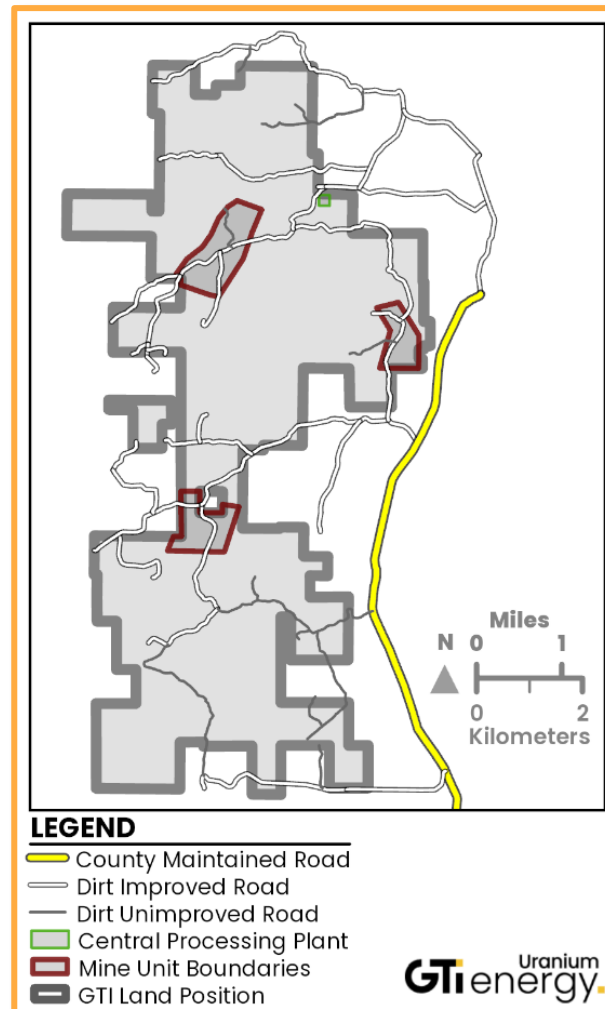
- Drilling permit approved by BLM; final Wyoming state approval expected August 2025
- Top-tier Wyoming drilling services providers contracted with mobilisation due September 2025
- Drilling aimed at growing Mineral Resource Estimate (MRE) and upgrading Inferred resources whilst collecting additional core sample and hydrogeological data
- Targeting MRE increase and upgrade in Q4 2025 followed by Scoping Study update CY2026



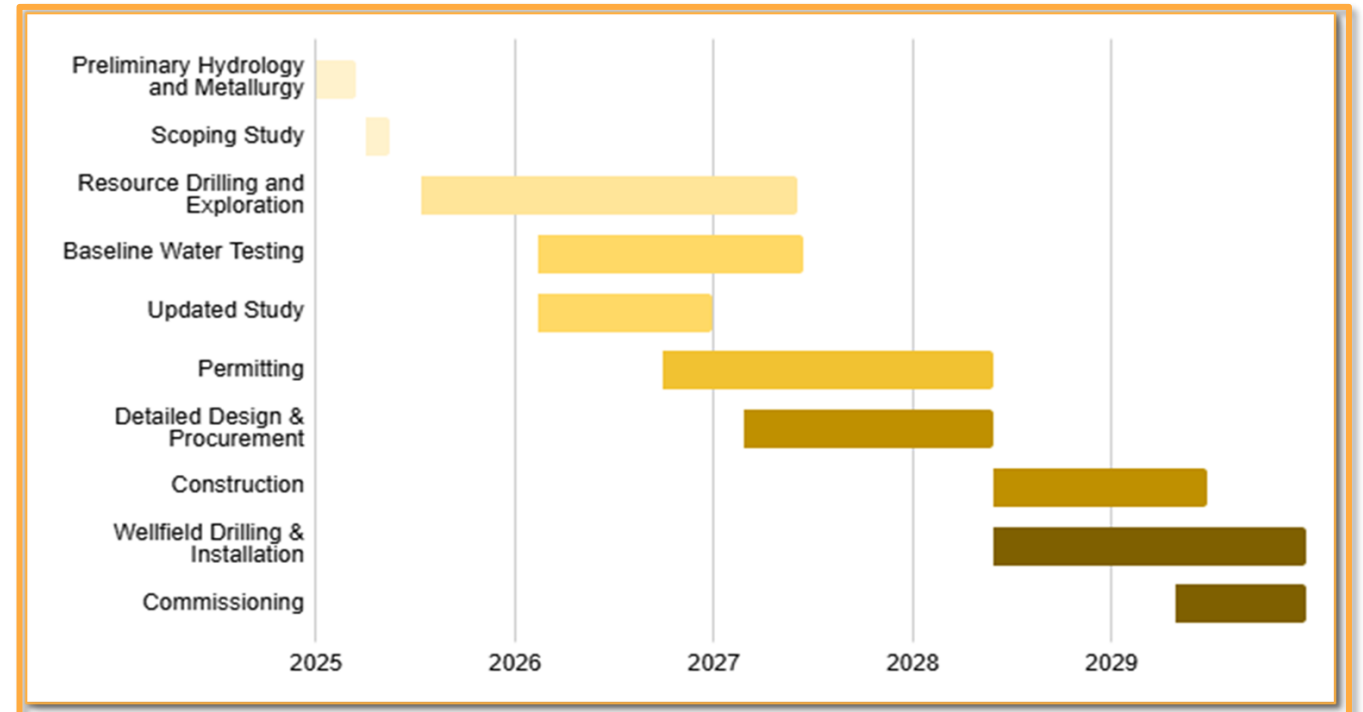
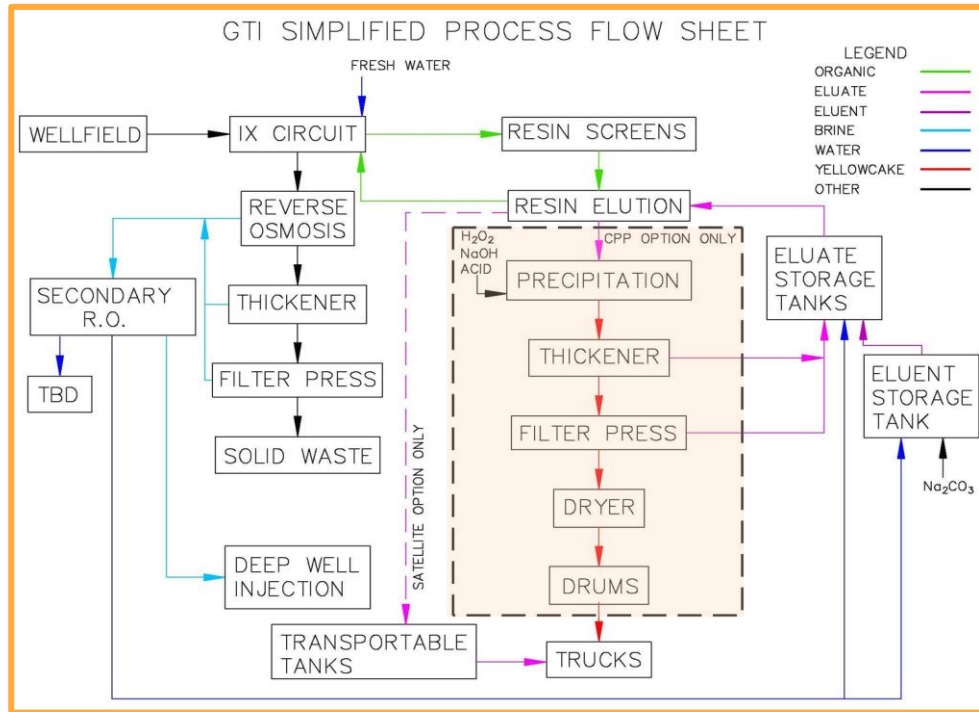


# Mine Development Plan

## Proximate Infrastructure



# Lo Herma Flowsheet & Timetable





# Recent News

- Scoping study fieldwork, met studies, & hydrogeological tests completed
- Wellfield planning, process and engineering studies all completed
- +ve Scoping Study
- Drilling approved by BLM to expand & infill – resource upgrade end 2025
- Wyoming state approval expected August 2025
- Top-tier drilling services providers contracted, mobilisation due Sep 25

# Lo Herma Goals & Deliverables

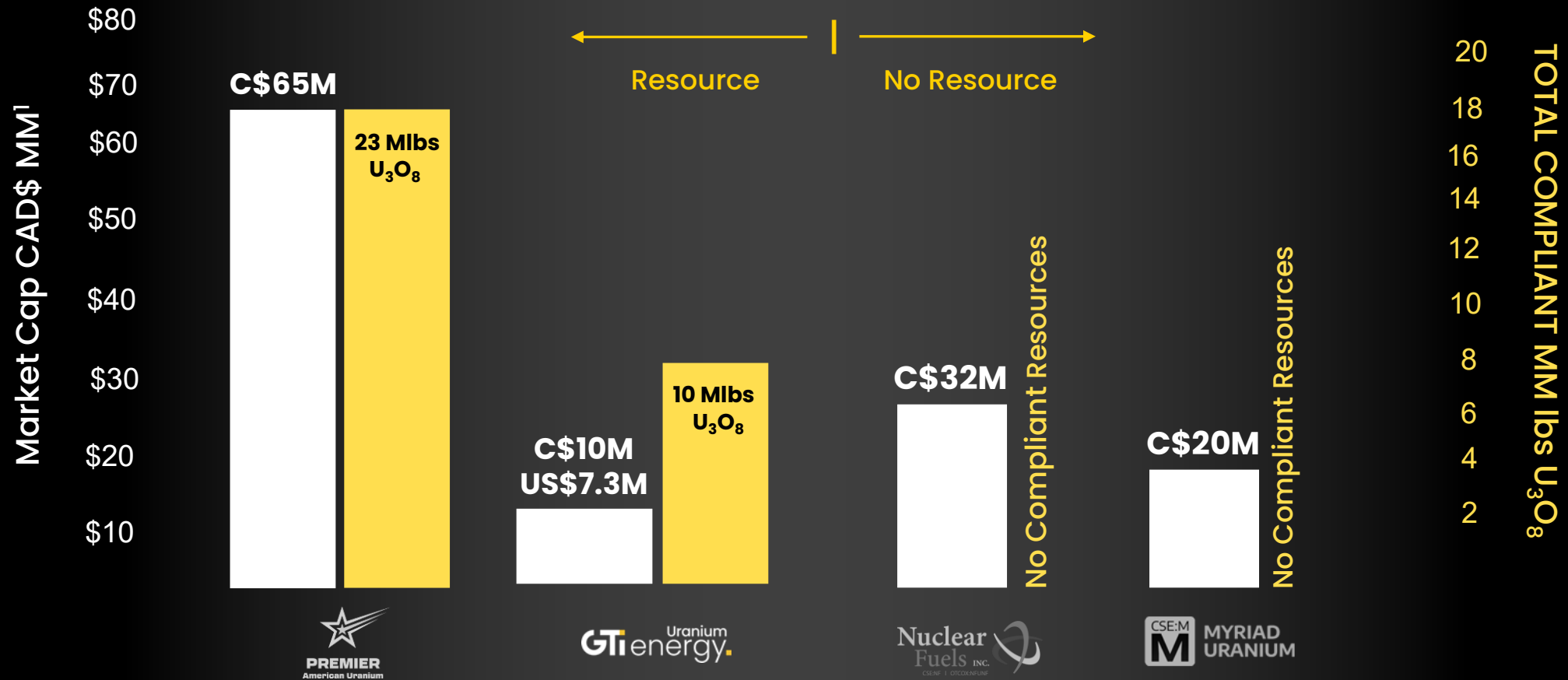
- Expansion & upgrade drilling September 2025 – Aim to grow Lo Herma's Inferred and Indicated Resources
- Resource update end 2025, Scoping Study Update CY2026
- Permitting work incl. environmental monitoring – Earliest construction CY2028



Wyoming

# Peers and Recent Transactions

# Peer Analysis – American Uranium Explorers

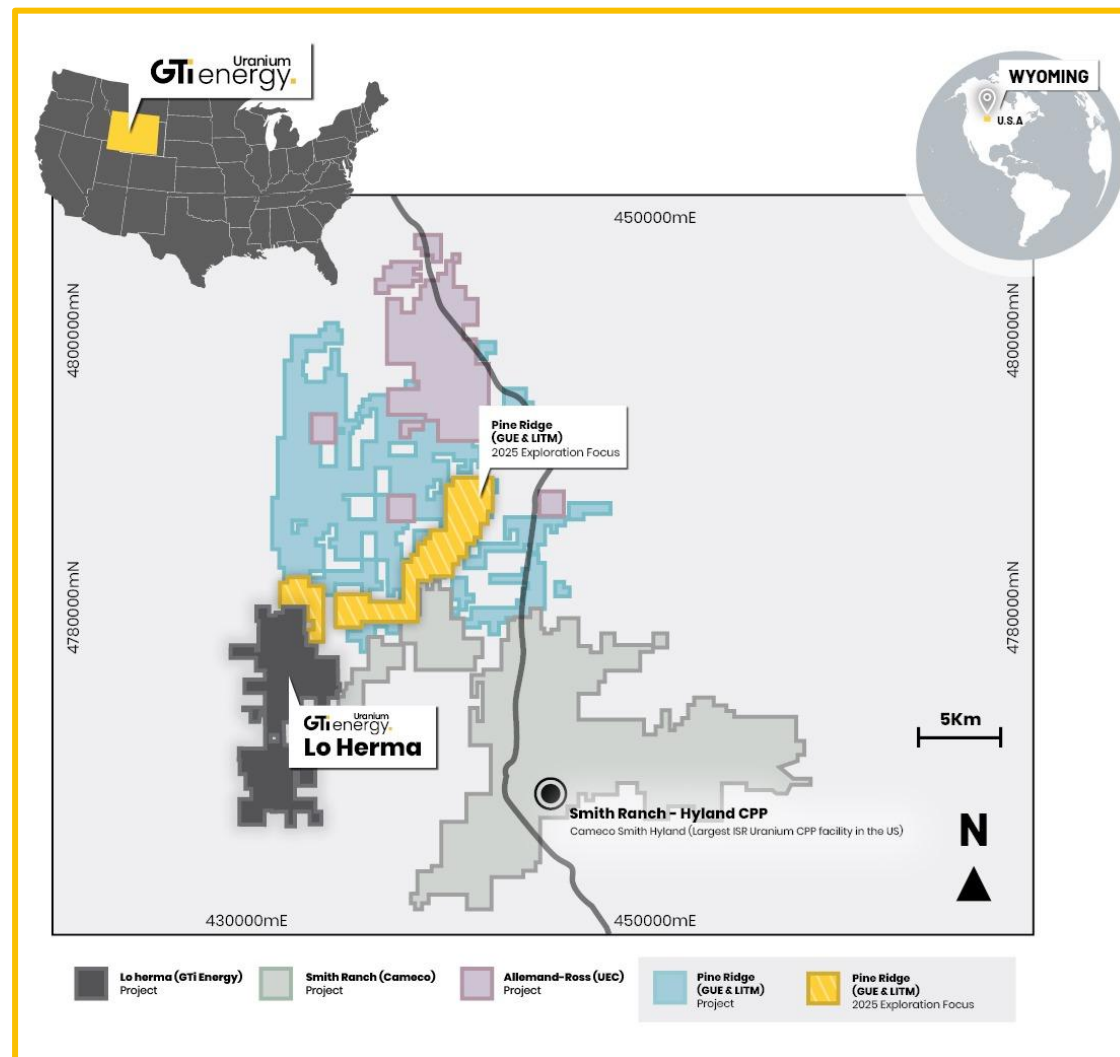


<sup>1</sup> Market capitalisation determined at market close on August 5, 2025. Currencies converted to C\$ if necessary, based on end of day published foreign currency exchange rates on August 5, 2025.



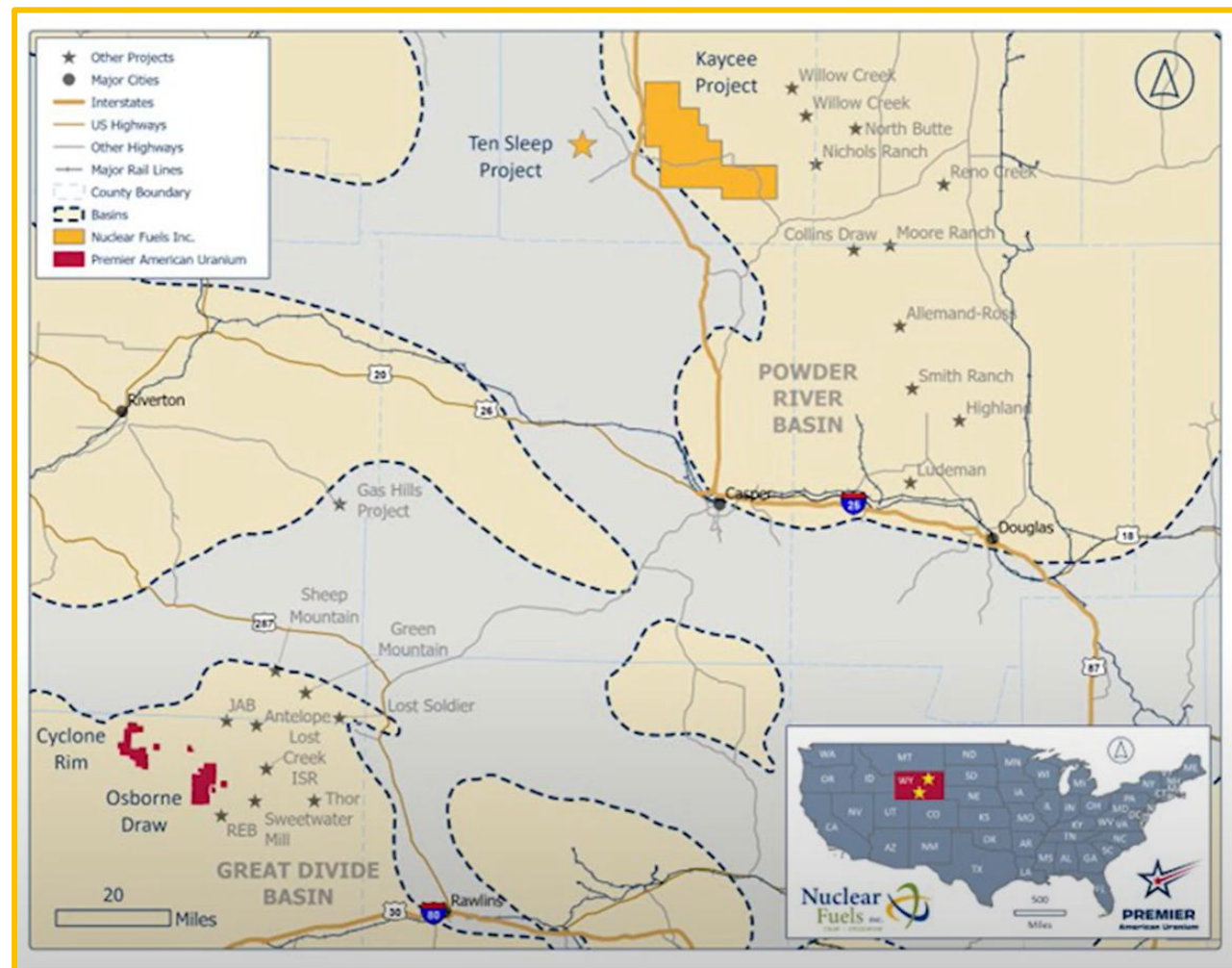
# US\$22.5M Paid For Pine Ridge

- Snow Lake Energy (NASDAQ: LITM) 50/50 JV with Global Uranium & Enrichment (ASX: GUE)
- Adjoins Lo Herma northern boundary along trend
- Consideration paid of US\$22.5m + 5% Net Smelter Royalty
- Implied valuation US\$0.44–0.92/lb of exploration target (mid case 59c/lb)
- 24.4 – 51.3Mlb U<sub>3</sub>O<sub>8</sub> Exploration Target\*
- US\$10m spend commitment
- Goal to produce within 6 years
- Snowlake to acquire 9.9% of GTI via strategic placement



# Premiere American & Nuclear Fuels Merger

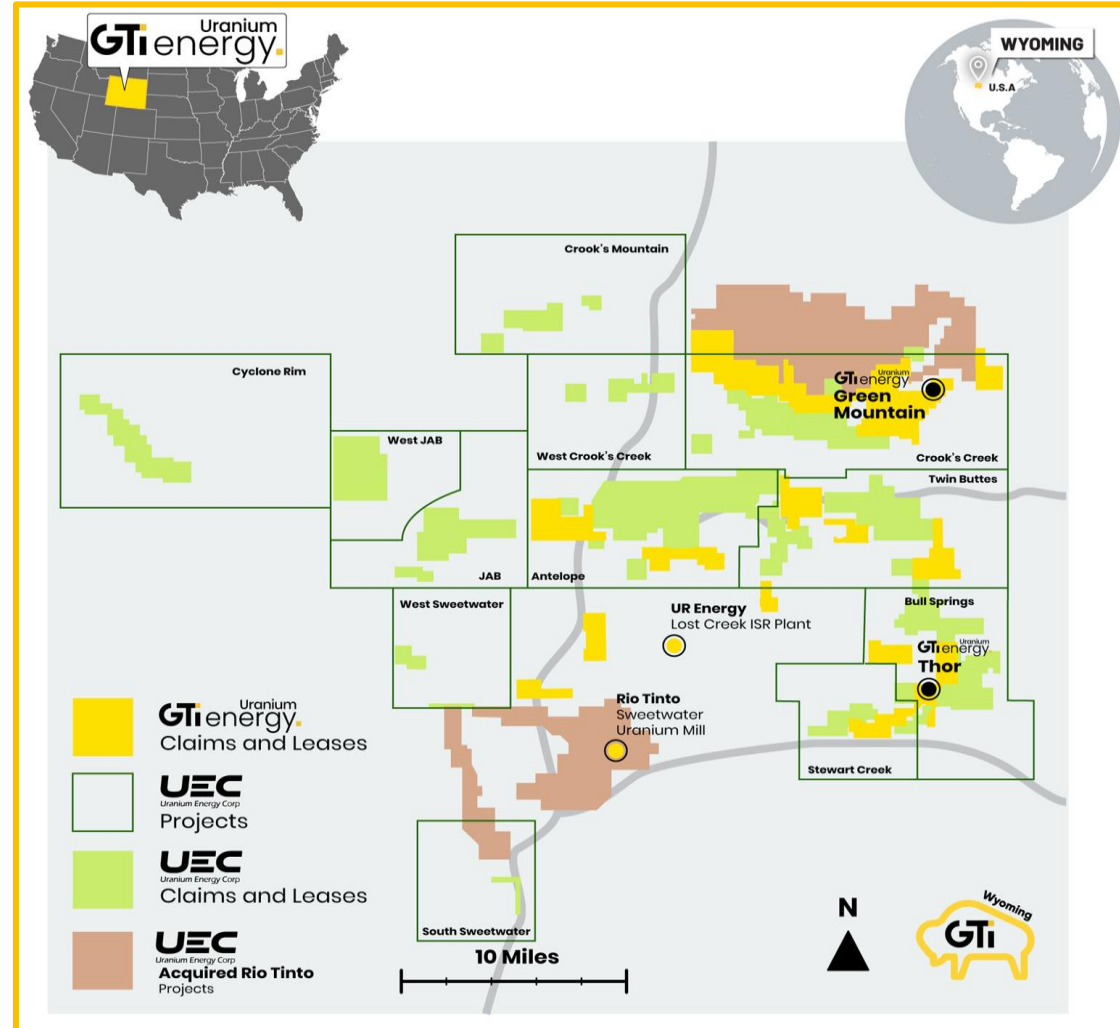
- Premiere American Uranium (TSXV: PUR) acquires Nuclear Fuels Inc. (CSE: NF)
- All-stock deal valued at approximately US\$31m (C\$42m)
- Nuclear Fuels' primary uranium exploration target is at its Kaycee Project, est. at 11.5 – 30 Mlbs  $U_3O_8$
- Implied purchase price of US\$1.03 to US\$2.70/lb of uranium exploration target pounds (US\$31m divided by the range of 11.5 – 30Mlbs  $U_3O_8$ .)





# US\$175M Paid By UEC For Rio Assets

- US\$175m paid
- 175Mlbs U<sub>3</sub>O<sub>8</sub> of historical resources of which some likely ISR amenable
- Sweetwater rehabilitated mill site
- Plan to develop Hub-and-Spoke ISR production operation based around the Sweetwater mill
- GTI projects strategically positioned with 34,000 acres, existing resources and significant exploration potential





# Thank You .

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[gtienergy.au](http://gtienergy.au)

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# Sources & References

## References, Slide 22

PROJECT	OWNER	TICKER	STUDY LEVEL (year)	MINERAL RESOURCES (Lbs/U <sub>3</sub> O <sub>8</sub> )			SOURCE
				Measured	Indicated	Inferred	
DEWEY BURDOCK	enCore Energy Corp.	NASDAQ: EU TSX.V: EU	PEA (2019)	5,419,779 tons @ 0.13% U <sub>3</sub> O <sub>8</sub>	1,968,443 tons @ 0.07% U <sub>3</sub> O <sub>8</sub>	645,546 tons @ 0.06% U <sub>3</sub> O <sub>8</sub>	<b>16 January, 2025.</b> S-K 1300 TRS, <a href="#">Dewey Burdock Uranium ISR Project South Dakota, USA</a>
LO HERMA	GTI Energy Ltd.	ASX: GTR	Resource (2023)	N/A	N/A	4,110,000 tons @ 630 ppm U <sub>3</sub> O <sub>8</sub>	<b>16 December 2024 .</b> ASX Announcement. Major 50% Upgrade Boosts Lo Herma Uranium Resource to 8.57Mlbs, Scoping Study Initiated
SHIRLEY BASIN	Ur-Energy Inc.	TSX: URE NYSE Amer.: URE	PEA (2022)	1,367,000 tons @ 0.275% eU <sub>3</sub> O <sub>8</sub>	1,915,000 tons @ 0.118% eU <sub>3</sub> O <sub>8</sub>	NA	<b>September 19, 2022.</b> S-K 1300 TSR, Shirely Basin ISR Uranium Project, Carbon County, Wyoming USA
NICHOLS RANCH (INCLUDES SATELLITE PROPERTIES)	Energy Fuels Inc.	NYSE: UUUU TSX: EFR	PEA (2021)	11,000 tons @ 0.187% U <sub>3</sub> O <sub>8</sub>	3,283,000 @ 0.106% U <sub>3</sub> O <sub>8</sub>	650,000 tons @ 0.097% U <sub>3</sub> O <sub>8</sub>	<b>February, 8, 2023.</b> Technical Report on the Nichols Ranch Project, Campbell and Johnson Counties, Wyoming, USA
GAS HILLS (ISR Only)	enCore Energy Corp.	NASDAQ: EU TSX.V: EU	PEA (2021) SK 1300 2025	993,928 tons @ 0.103% U <sub>3</sub> O <sub>8</sub>	2,835,339 tons @ 0.100% U <sub>3</sub> O <sub>8</sub>	409,330 tons @ 0.052% U <sub>3</sub> O <sub>8</sub>	<b>February 27, 2025.</b> SK 1300 Technical Report Summarie for Key Projects <a href="#">incl. Gas Hills Uranium Project, Fremont &amp; Natrona Counties, WY, USA</a>

## References, Slide 30

COMPANY	TICKER	Company Stage	Primary Exploration Jurisdiction	Secondary Exploration Jurisdictions	Total M, I&I Resources	SOURCE
Premier American Uranium Inc.	TSX-V: PUR	Exploration	New Mexico, Wyoming, USA	Colorado, USA	23.5Mlbs	<b>May 2025</b> <a href="#">Corporate Presentation</a> <a href="http://www.premierur.com">www.premierur.com</a>
Nuclear Fuels Inc.	CSE: NF	Exploration	Wyoming, USA	Arizona & Utah, USA Labrador, Canada	No Resources	<b>May 2025</b> <a href="#">Corporate Presentation</a> <a href="http://www.nuclearfuels.energy">www.nuclearfuels.energy</a>
Myriad Uranium Inc.	M.CN	Exploration	Wyoming, USA	N/A	No Resources	<b>April 2025</b> <a href="#">Corporate Presentation</a> <a href="https://myriaduranium.com/">https://myriaduranium.com/</a>