AMERICA'S LARGEST & FASTEST GROWING URANIUM COMPANY

Corporate Presentation – November 2025

URANIUM ENERGY CORP | NYSE AMERICAN: **UEC** | **URANIUM**ENERGY.COM

Disclaimer

Statements contained in this presentation which are not historical facts are forward-looking statements that involve risks, uncertainties and other factors that could cause actual results to differ materially from those expressed or implied by such forward-looking statements. Factors that could cause such differences, include, without limitation: risks inherent in exploration and development activities; volatility in uranium prices; general economic and capital markets volatility; the impact of competition; the ability to raise funds through private or public equity financings; imprecision in resource and reserve estimates; environmental and safety risks including increased regulatory burdens; unexpected geological or hydrological conditions; a possible deterioration in political support for nuclear energy; changes in government regulations and policies, including trade laws and policies; demand for nuclear power; any failure to obtain necessary permits and approvals from government authorities; weather and other natural phenomena; the other risk factors set forth in Uranium Energy's Corp's most recent annual report on Form 10-K and its other SEC filings, available under its profile at www.sec.gov. Although Uranium Energy Corp believes that the assumptions inherent in the forward-looking statements are reasonable, undue reliance should not be placed on these statements, which only apply as of the date of this presentation. Uranium Energy Corp. disclaims any intention or obligation to update or revise any forward-looking statement, whether as a result of new information, future event or otherwise, except as may be required by applicable securities laws.

Nothing on this presentation is to be construed as an offer to sell, or a solicitation of an offer to buy securities of Uranium Energy Corp.

This presentation should be viewed in conjunction with the Company's Annual Report on Form 10-K for the year ended July 31, 2025, including its audited annual consolidated financial statements included therein.

Mineral Resources and Other Technical Information: All mineral reserve and mineral resource estimates are estimated in accordance with SEC Regulation S-K 1300. For further information regarding such estimates, please refer to our most recent Annual Report on Form 10-K and the technical report summaries referenced herein and therein. The estimation of mineral resources involve greater uncertainty as to their existence and economic feasibility than the estimation of mineral reserves, and therefore investors are cautioned not to assume that all or any part of measured or indicated resources will ever be converted into reserves. The estimation of inferred resources involves far greater uncertainty as to their existence and economic viability than the estimation of other categories of resources, and therefore it cannot be assumed that all or any part of inferred resources will ever be upgraded to a higher category. All U.S. resources have been reviewed and approved for disclosure by Western Water Consultants, Inc. d.b.a. WWC Engineering, pursuant to Regulation S-K Subpart 1300 "Modernization of Property Disclosures for Mining Registrants (S-K 1300). All Canadian resources have been reviewed and approved for disclosure by Chris Hamel, P.Geo., who is considered a Qualified Person under Subpart 1300 of Regulation S-K.

Market and Industry Data: Certain information in this presentation regarding the industry and market data has been obtained from publicly available information and third-party industry reports. Such reports generally state that the information contained therein has been obtained from sources believed to be reliable, but the accuracy or completeness of such information is not guaranteed. We have not independently verified or cannot guarantee the accuracy or completeness of that information and investors should use caution in placing reliance on such.

Leading U.S. Uranium Company

Positioning as the only vertically integrated U.S. company from mining to conversion

America's Largest, Fastest Growing Uranium Company	**Leading North American Resource Base** **230.1 M lbs.** M&I | **100.0 M lbs.** Inferred U_3O_8 Resources(1) **175 M lbs.** Historical(2) Over $1 Billion in Accretive Acquisitions
Largest Licensed Production Capacity in the U.S.	**Wyoming Production Restarted, with Phased U.S. ISR Ramp-Up** **12.1 M lbs.** U_3O_8 U.S. Licensed Capacity/Year(3)
Building for End-to-End Capabilities	Launched **U.S. Uranium Refining & Conversion Corp (UR&C)** to advance American nuclear fuel security and energy dominance
Strong Balance Sheet No Debt	**$321 Million in Cash, inventory, and equities at market price(4)** **100% Unhedged Price Exposure**

IRIGARAY PLANT – WYOMING HUB & SPOKE OPERATIONS

HOBSON PLANT – TEXAS HUB & SPOKE OPERATIONS

SWEETWATER PLANT – WYOMING HUB & SPOKE OPERATIONS

ATHABASCA BASIN , HIGH-GRADE CONVENTIONAL PORTFOLIO

(1) See UEC's most recent Annual Report on Form-K for further information regarding the underlying resource estimates for its properties (2) Based upon internal studies and other historic data prepared by prior owners in regards to the projects and dated between 1984 and 2019. Such estimates are being treated by the Company as historical in nature and a qualified person has not done sufficient work to classify the historical estimates as current mineral resources. The Company is not treating them as current resource estimates and is disclosing these historic estimates for illustrative purposes and to provide readers with relevant information regarding the projects. In addition, such estimates were not prepared under S-K 1300 standards and the results of future estimates by the Company may vary from these historic estimates. (3) UEC press release dated Dec 6, 2024 (4) Market values for securities are based on closing prices as at July 31, 2025, and for uranium inventories are based on the spot price quoted on UxC ConverDyn as of such date.

2025 Year End Results and Highlights

Breakthrough Year Transitioning to Uranium Production in Wyoming

Low-Cost Production Achieved	• Produced ~**130,000 pounds** of precipitated uranium and dried/drummed U_3O_8 • **Total Cost per Pound[(1)] of $36.41**, including Cash Cost[(1)] of $27.63 and Non-Cash Cost[(1)] of $8.78 based on 26,421 pounds of dried/drummed U_3O_8
U.S. ISR Production Ramp Up	• **Christensen Ranch expansion** with two new ISR wellfields constructed • Burke Hollow, America's next ISR mine, targeting **December 2025 start-up**
Established 3rd U.S. Hub-and-Spoke Platform	• Accretive **acquisition of Rio Tinto's Sweetwater** Complex • Solidified position as the **largest US uranium company** by estimated resources and licensed production capacity
Launch of UR&C	• Goal of becoming the **only vertically integrated U.S. company** with uranium mining, processing, and planned refining and conversion capabilities

(1) Total Cost per Pound, Cash Cost Per Pound and Non-Cash Cost Per Pound are not measures of financial performance under accounting principles generally accepted in the United States ("GAAP") and should not be considered in isolation or as a substitute for analysis of our results as reported under GAAP. See "Non-GAAP Measures" on slide 48.
(2) Market values for securities are based on closing prices as at July 31, 2025, and for uranium inventories are based on the spot price quoted on UxC ConverDyn as of such date.

2025 Year End Results and Highlights

Robust Balance Sheet with Unhedged Inventory Position Providing Maximum Upside and Flexibility

$321 M
Cash, inventory(1), and equities at market price(2)

- **Strong Balance Sheet,** with **no debt**
- Inventory and Equity Values as of July 31, 2025

$66.8 M
In revenue

- **$24.5 million of gross profit** from the **sales of 810,000 pounds of U_3O_8** from inventory at an average price of $82.52 per pound
- **100% unhedged approach,** flexibility and exposure to rising prices

1.4 M
Pounds of U_3O_8 in inventory (1)

- **Valued at $96.6 million (July 31st, 2025 at $71.25/lb),** excluding approximately 130,000 pounds of initial Wyoming production
- U.S. warehoused inventory is anticipated to expand by another **300,000 pounds** through Dec. 2025 purchase contracts at **$37.05 /lb,** in addition to uranium from operations

(1) Does not include inventory in-process or finished inventory at the Irigaray Central Processing Plant.
(2) Market values for securities are based on closing prices as at July 31, 2025, and for uranium inventories are based on the spot price quoted on UxC ConverDyn as of such date.

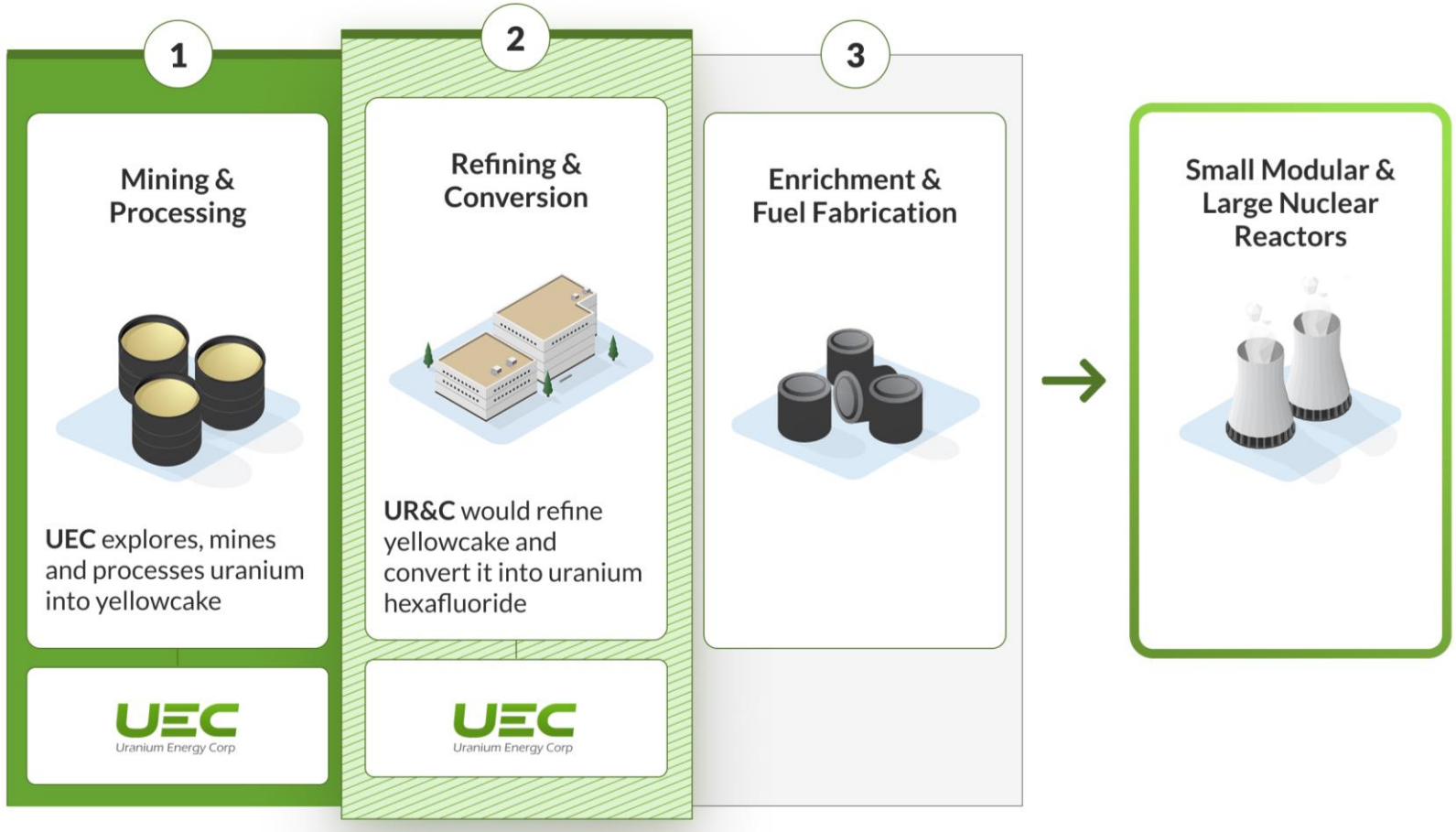
Launch of United States Uranium Refining & Conversion Corp

Positioning UEC as the only vertically integrated U.S. company from U_3O_8 to UF_6

Aligned with **market needs** and **American energy dominance policies**

Designed to give UEC **end-to-end capabilities,** providing a secure, geopolitically reliable **source of uranium hexafluoride** - the feedstock needed for uranium enrichment

Building on our **first-mover advantage with Fluor,** leveraging a year of engineering and design work already completed



Demand for Uranium Significantly Exceeds Primary Production

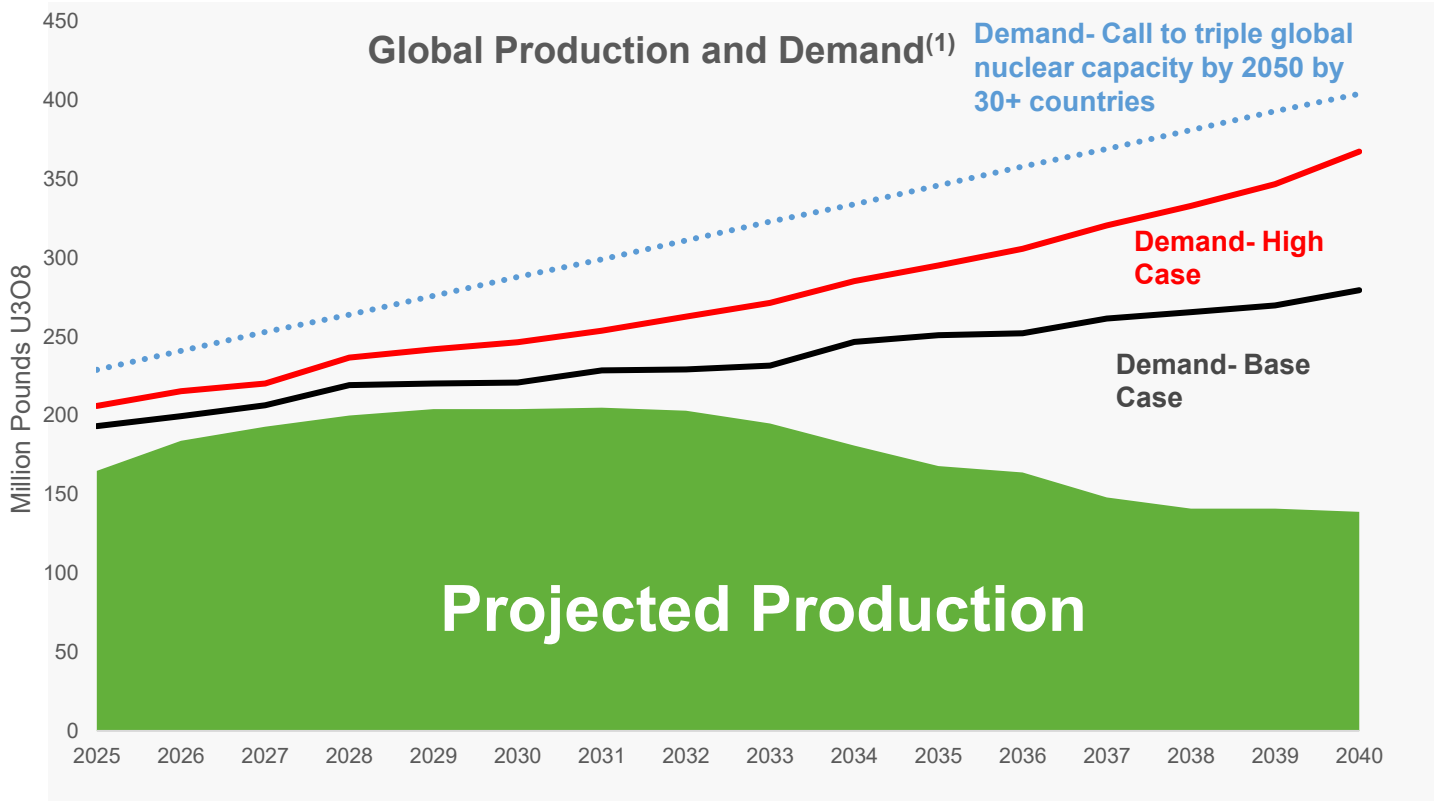
Growing demand coupled with underinvestment in uranium has led to a structural supply deficit that is projected to continue and widen through 2045

Projected Production Gap[1]

Cumulative – Base Demand and Production Case

2025-2026 is ~ 51 M lbs.
2025-2035 is ~ 355 M lbs.
2025-2040 is > 890 M lbs.
2025-2045 is > 1.75 B lbs.

U.S. utilities are the world's largest consumer of uranium with current demand of 47 Mlbs/yr[2]



Source: (1) UxC Market Outlook Q3 2025 (2) World Nuclear Association. (July 11, 2025: 18,137 tonnes U = 47.152 M lbs. U3O8) Note: U.S. origin unobligated U3O8 required to meet future U.S. Naval requirements are not reflected in these Demand projections."

Global Pledge To Triple Nuclear Energy by 2050

Growing Global Commitment

31+
Countries

140+
Industry Leading Companies

14+
of the World's Largest Banks

15
Large Energy Users

Strong Nuclear Power Outlook(1)

438
Operable Reactors Worldwide

68
New Reactors Connected since 2015(2)

70
Units Under Construction

421
Planned and Proposed Worldwide

+

June 2025

World Bank ends decade long ban on financing nuclear energy, a momentous shift in global energy policy

+

Multiple reactor life extensions & uprates

Source: (1) WNA Power Reactors & Uranium Requirements (2) IAEA PRIS October 1, 2025

Domestic Uranium Takes Center Stage with Unprecedented Government Policy and Big Tech Demand for Nuclear Power

Bipartisan support to re-domesticate the uranium supply chain

President Trump signs multiple Executive Orders to usher in the American nuclear renaissance - **aims to end U.S. Reliance on foreign uranium**

President Trump EO **initiates 232 Investigation** assessing critical mineral vulnerabilities **- includes uranium**

U.S. Government **bans Russian uranium,** cuts red tape and incentivizes **new nuclear technology**

UEC

America's Largest Uranium Company

Electricity demand from U.S. data centers is expected to double by 2028(1)

amazon — Enters into PPA with Talen and invests in SMR Advancement

Microsoft — Invests $1.6B to revive Three Mile Island

Meta — Signs 20-year deal with Constellation to power data centers

NVIDIA — Invests in Terrapower to support the first Natrium Plant

Source: (1) S&P Market Intelligence "Powering AI – Opportunities, tensions in datacenter and energy markets" Sept 30, 2024

Unprecedented Bipartisan & White House Support Resulting in Investments to Increase Domestic Uranium & Fuel Cycle Supply

February 2023
Nuclear Fuel Security Act

May 2024
"Prohibiting Russian Uranium Imports" Act Signed

July 2024
"ADVANCE" Act Signed

November 2024
Russia Temporarily Bans Exports of Enriched Uranium to U.S.

March 2025
Executive Order to Increase American Mineral Production

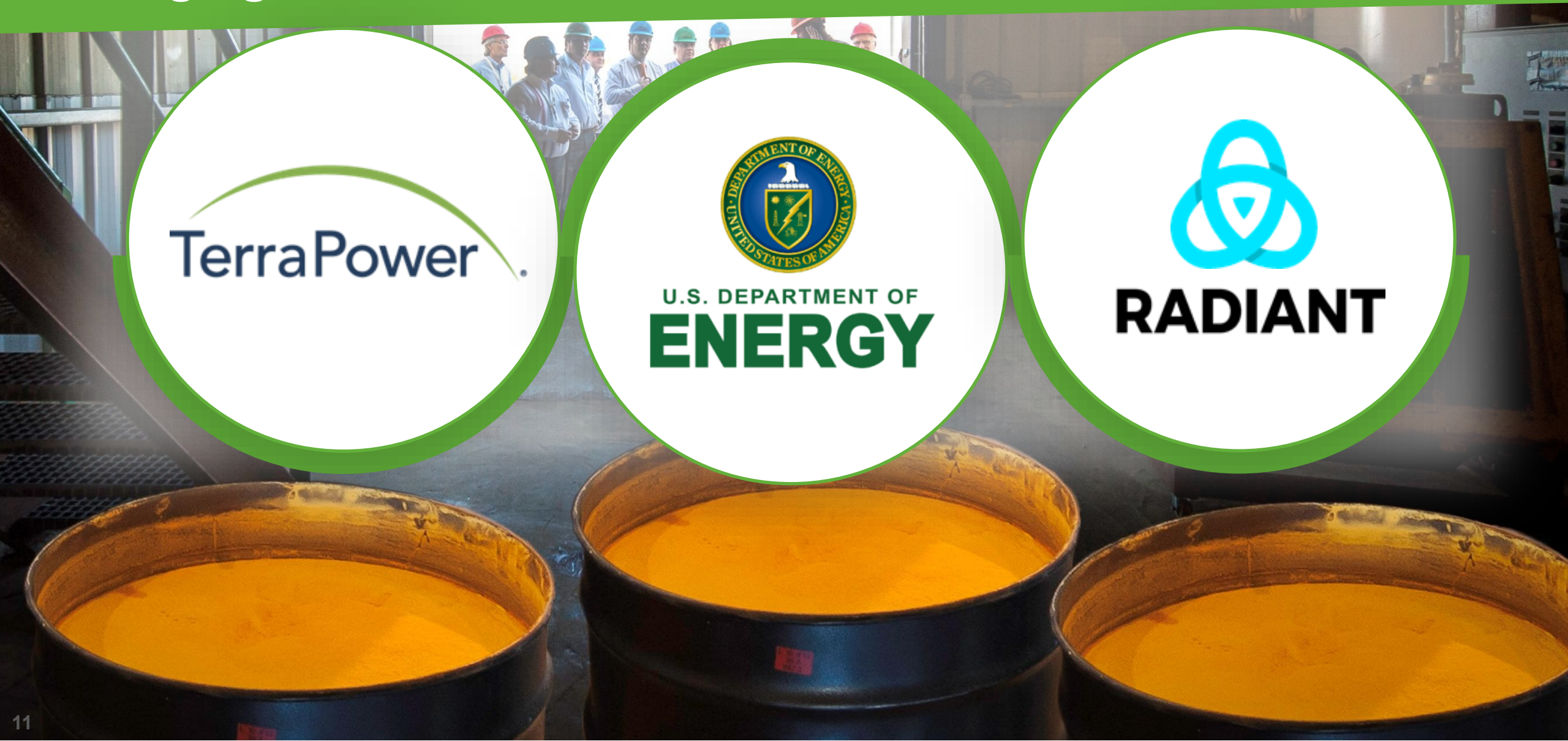
April 2025
Section 232 Action Investigating Critical Mineral Vulnerability

May 2025

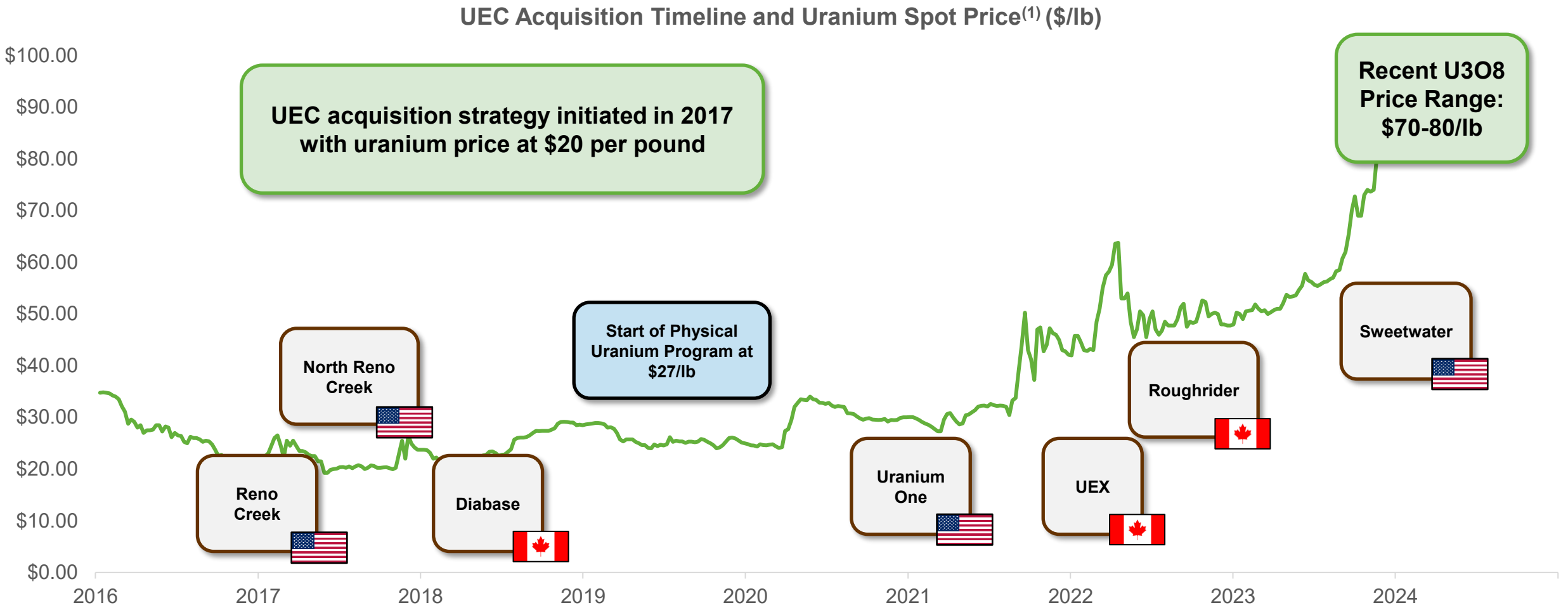
Four Executive Orders Represent an Unprecedented Level of Policy Support to Revitalize the U.S. Nuclear Industry, including

- Targets **4x Increase in Nuclear Capacity by 2050**,
- Reinvigorates the **Nuclear Industrial Base**,
- **Accelerates Permitting Reform** and
- **Invests in Advanced Reactors**

Strengthening America's Nuclear Fuel Supply Chain to Meet Emerging Demand for Domestic Uranium



Bottom of Cycle Acquisitions Creates Largest U.S. Uranium Company Positioned for Production Growth



(1) Uranium price at time of acquisition based on weekly U3O8 prices per UxC.

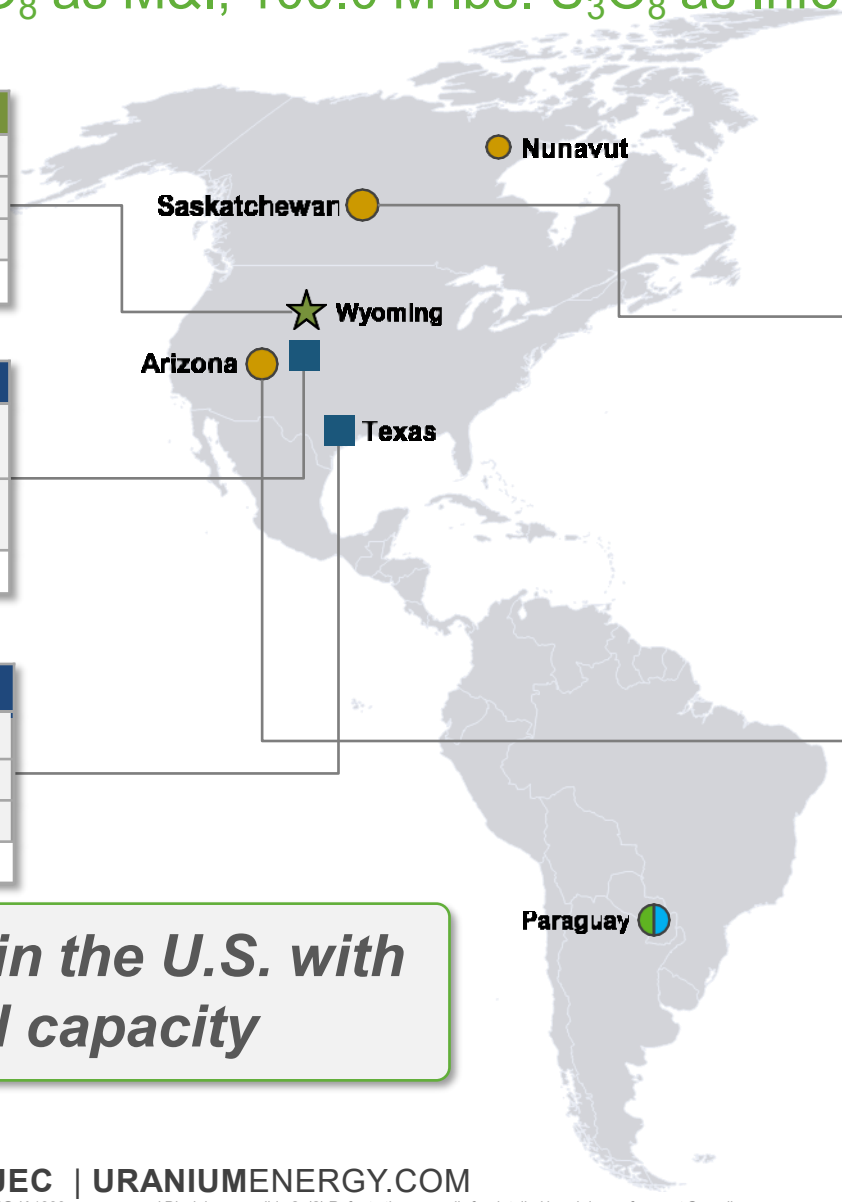
Largest, Diversified Resource Base in the Western Hemisphere

Total Resources of 230.1 M lbs. U_3O_8 as M&I, 100.0 M lbs. U_3O_8 as Inferred, 175 M lbs. Historical(3)

Irigaray Hub and Spoke ISR Portfolio (S-K 1300 compliant)(1,4)		
Four Projects are Fully Permitted		
District	Attr. Resources (M lbs.)	
	M&I	Inferred
Wyoming	66.2	15.1

Sweetwater Hub and Spoke ISR Portfolio	
Fully Licensed Sweetwater Plant + Permitted & Exploration Stage uranium projects	
District	Historical(3)
Wyoming	175 M lbs.

Texas Hub and Spoke ISR Portfolio (S-K 1300 compliant)(1)		
Three Projects are Fully Permitted		
District	Attr. Resources (M lbs.)	
	M&I	Inferred
Texas	12.96	9.95



Athabasca Basin (S-K 1300 compliant)(2)		
Project Name	Attr. Resources (M lbs.)	
	M&I	Inferred
Roughrider	27.86	33.38
Shea Creek	33.18	13.78
Millennium	11.42	4.36
Horseshoe Raven	37.43	-
Christie Lake	-	16.84
Saskatchewan Total	**109.88**	**68.36**
Other Canadian Indirect Interests		
Wheeler River (Saskatchewan)		
Kiggavik (Nunavut)		

Growth Portfolio(S-K 1300 compliant)(1)		
Project Name	Attr. Resources (M lbs.)	
	M&I	Inferred
Anderson	32.06	-
Workman Creek	-	4.46
Arizona Total	**32.06**	**4.46**

Largest production profile in the U.S. with 12.1 M lbs./yr licensed capacity

Commodity
- Uranium
- Titanium
- 0 Projects
- Projects + Processing Plants

Stage
- Production
- Under Development
- Exploration

(1) Refer to technical report summaries on SEDAR+ and EDGAR, or Company's website, for a detailed breakdown of S-K 1300 resources and Disclaimer on slide 2. (2) Refer to the appendix for detailed breakdown of current Canadian resources reported under S-K 1300. (3) Based upon internal studies and other historic data prepared by prior owners in regards to the projects and dated between 1984 and 2019. Such estimates are being treated by the Company as historical in nature and a qualified person has not done sufficient work to classify the historical estimates as current mineral resources. The Company is not treating them as current resource estimates and is disclosing these historic estimates for illustrative purposes and to provide readers with relevant information regarding the projects. In addition, such estimates were not prepared under S-K 1300 standards and the results of future estimates by the Company may vary from these historic estimates.(4) The initial Wyoming production of approximately 130,000 pounds In the year ended July 31, 2025 has not been deducted from estimate.

Four Production Growth Pillars
Complemented by an Extensive Exploration Portfolio

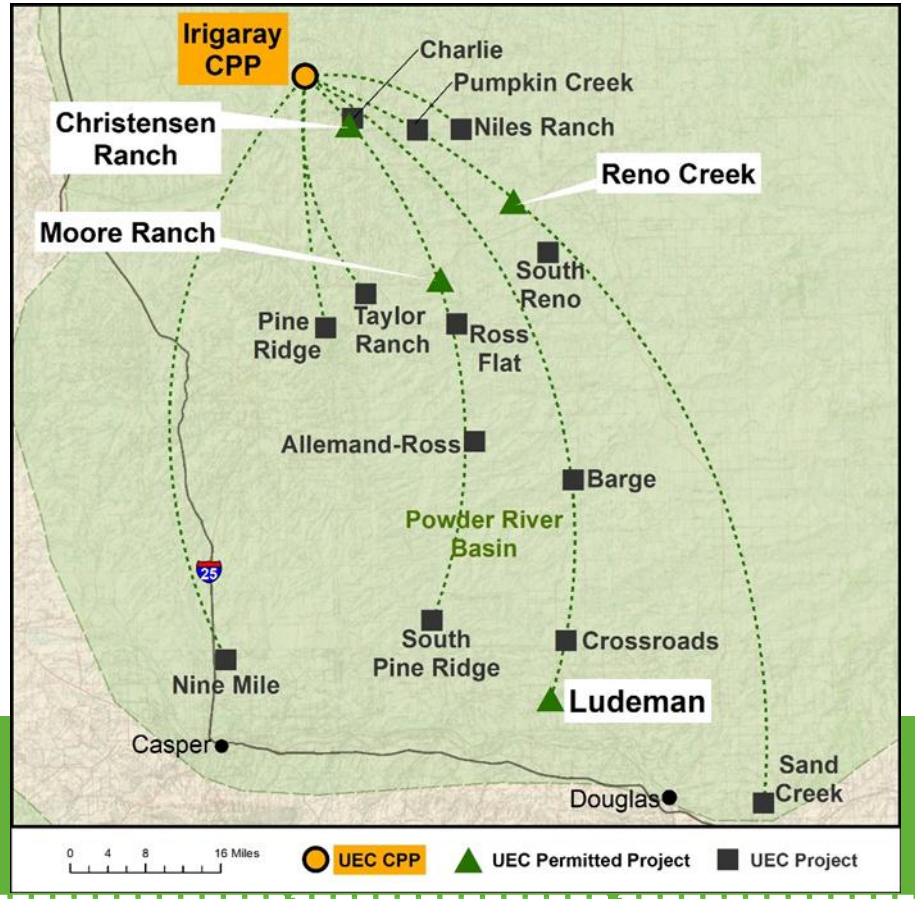
Irigaray Central Processing Plant	Hobson Central Processing Plant	Sweetwater Central Processing Plant	Roughrider Conventional Asset
			
66.2 M lbs. M&I & 15.1 M lbs. Inferred U_3O_8 resources(3)	**12.96 M lbs. M&I & 9.95 M lbs. Inferred U_3O_8 resources**	**175 M lbs. Pounds U_3O_8 Historical(2)**	**$946M Post Tax NPV 8**
• 4 M lbs./yr Licensed Production Capacity • 4 Fully Permitted Satellite Projects	• 4 M lbs./yr Licensed Production Capacity • 3 Fully Permitted Satellite Projects	• 4.1 M lbs./yr Licensed Production Capacity • 3 Permitted Projects • 108k Acres of Prospective Land	• 40% IRR & Payback of 1.4 years • AISC $20.48/lb U_3O_8 • LOM annual production 6.8M lbs(1)
Successfully Produced Approx. 130K lbs at FY25 YE	**Targeting Dec '25 Burke Hollow Completion**	**Acquisition Creates Largest Production Profile in the U.S.**	**$395M EBITDA at $85/lb U_3O_8 $730M EBITDA at $150/lb U_3O_8**

(1) UEC press release dated Nov 8, 2024; mine plan includes mill (2) Based upon internal studies and other historic data prepared by prior owners in regards to the projects and dated between 1984 and 2019. Such estimates are being treated by the Company as historical in nature and a qualified person has not done sufficient work to classify the historical estimates as current mineral resources. Historic estimates disclosed for illustrative purposes only and to provide readers with relevant information regarding the projects. Such estimates were not prepared under S-K 1300 standards. (3) The initial Wyoming production of approximately 130,000 pounds In the year ended July 31, 2025 has not been deducted from estimate.

Irigaray Central Processing Plant

Now in Production

Irigaray CPP, Wyoming



4M lbs/yr
Licensed Production Capacity

4
Fully Permitted Projects

17
Satellite Projects

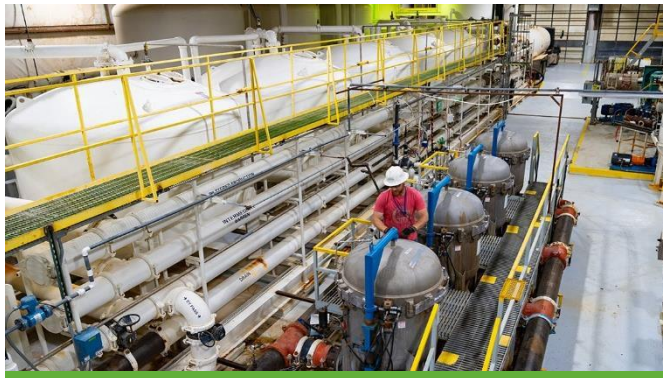
Production Milestone at Irigaray CPP

Expanding Christensen Ranch for Continued Production Growth

Produced approx. 130,000 pounds of precipitated uranium and dried and drummed U_3O_8 as of July 31, 2025

- ✓ Successfully commissioned the Irigaray CPP from elution through to packaged product at a Total Cost per Pound[(1)] of $36.41 based on 26,421 pounds of dried and drummed U_3O_8 at the end of fiscal 2025
- ✓ Two new ISR wellfields constructed and commissioned at Christensen Ranch - Header Houses 10-7 and 10-8 - resulting in increased head grade
- ✓ Construction of four new header houses in wellfield 11 are underway with power poles placed and buildings being set on their foundations
- ✓ Commenced upgrades at Irigaray designed to support 24/7, two-shift operations to expedite production
- ✓ Wyoming workforce has increased to 73 personnel

Irigaray CPP, Wyoming



Christensen Satellite Plant Interior

Irigaray CPP Interior,
North and South Elution Circuits

Christensen Ranch
Wellfield

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Irigaray Central Processing Plant
Permitted, Construction Ready Growth Projects

Reno Creek ISR Project

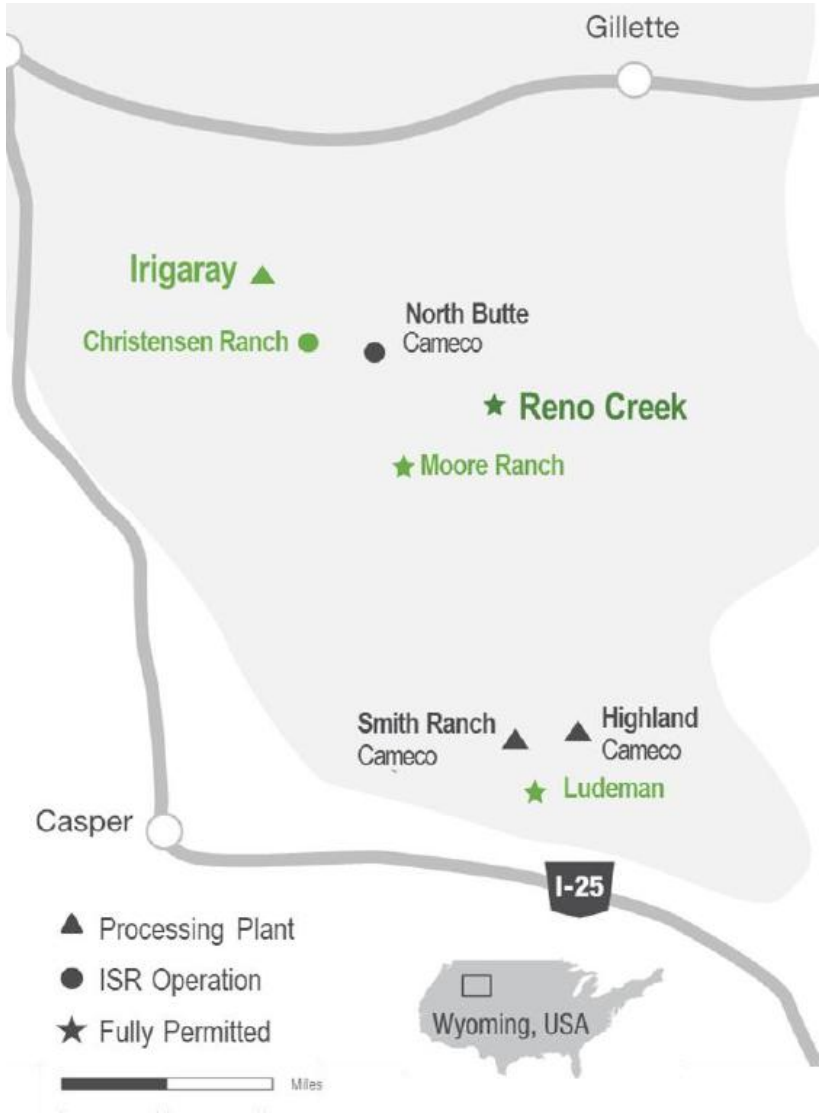
- Largest, permitted, pre-construction ISR project in U.S.
- 26.0 M lbs. M&I | 1.5 M lbs. Inferred U_3O_8(1)
- Licensed for 2.0 M lbs./year; Production permits in place
- 50 miles by road to Irigaray CPP

Ludeman ISR Project

- 9.7 M lbs. M&I | 1.3 M lbs. Inferred U_3O_8(1)
- Engineering underway for plant facility; first wellfield design completed
- Additional exploration upside along known uranium trends
- 120 miles by road to Irigaray CPP

Moore Ranch ISR Project

- 3.21 M lbs. M&I | 0.04 M lbs. Inferred U_3O_8(1)
- Fully permitted for 3 M lbs./yr for processing, to be constructed as a satellite to Irigaray CPP
- 40 miles by road to Irigaray CPP



(1) Refer to the appendix for a detailed breakdown of resources reported under S-K 1300, note the Disclaimer on Slide 2, and refer to the Company's technical reports on SEDAR+ and EDGAR

Hobson Central Processing Plant
Production Restart Preparations Ongoing

Hobson CPP, South Texas

4M lbs/yr
Licensed Production Capacity

3
Fully Permitted Projects

5
Satellite Projects

Burke Hollow Satellite ISR Project

90% Complete, America's Next ISR Mine

Targeting November 2025 Completion Date

- ✓ Positioning for operational start-up in December
- ✓ 6.15 Million lbs. Measured and Indicated Resources, and 4.88 Million lbs. Inferred resources(1)
- ✓ Construction of the Burke Hollow ion exchange ("IX") facility and first production area meaningfully progressed on schedule in fiscal 2025
- ✓ IX columns were installed and loaded with resin, and drilling of the deep disposal well was completed with testing underway
- ✓ South Texas workforce has grown to 56 personnel

Drilling at Burke Hollow

Drill Rig at Burke Hollow

Construction at Burke Hollow

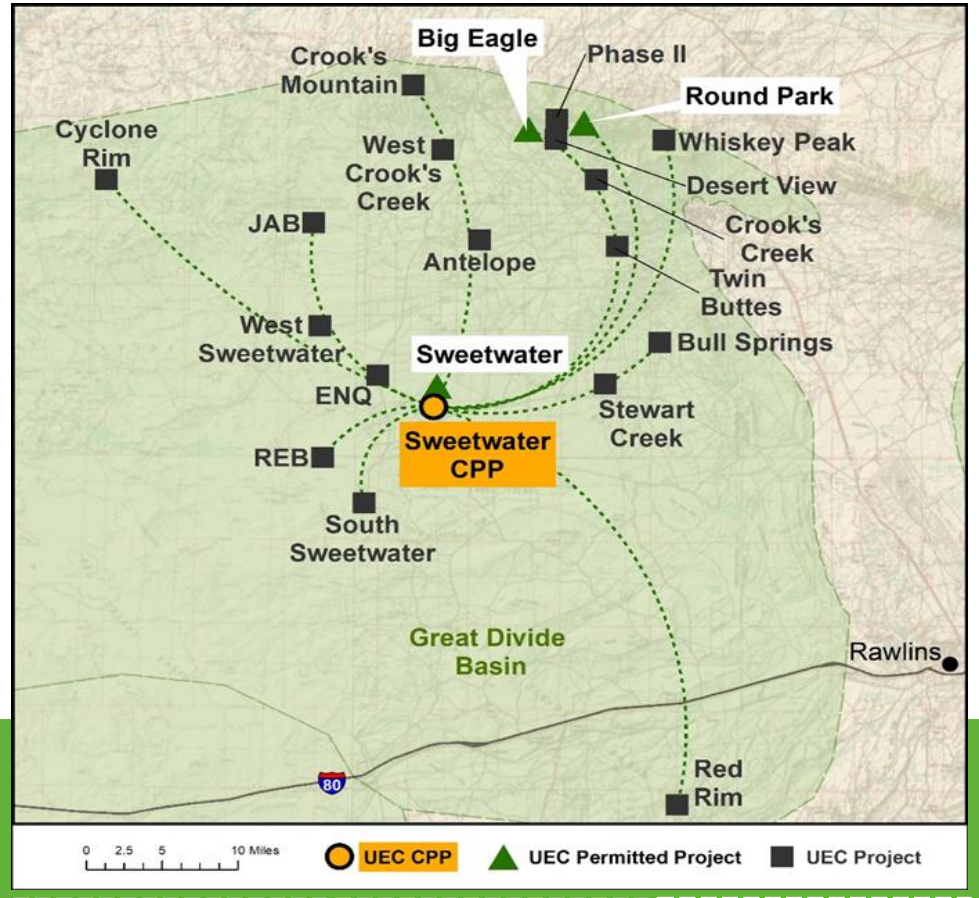
Burke Hollow IX Vessels

(1) Refer to the appendix for a detailed breakdown of mineral resources reported under S-K 1300, note the Disclaimer on Slide 2, and refer to the Company's technical report summaries on SEDAR+ and EDGAR

Sweetwater Central Processing Plant

Third Central Processing Plant Added

Sweetwater Plant, Wyoming



4.1M lbs/yr
Licensed Production Capacity

4
Satellite Projects

175M
Pounds in Historical(1) Resources

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Acquisition of Wyoming Uranium Assets from Rio Tinto

Creates UEC's Third U.S. Hub-and-Spoke Production Platform

- Addition of Rio Tinto's Sweetwater Plant and **portfolio of permitted and exploration stage** uranium projects

Markedly Accretive Resource Growth

- Adding **~175 million pounds** of historic uranium resources(1)
- **ISR amenable resources will be prioritized** for development (approx. 50% of resources)

Extensive Land Package, Geological Data and Exploration Optionality

- **Extensive geological database** from **~6.1 million feet of drilling**
- Creates portfolio of approximately **108,000 acres of land for prospective uranium discovery**

Highly Invested Asset Base with Operating Synergies

- Provides infrastructure and critical scale in the Great Divide Basin, with **opportunities to realize synergies**

Significant Scarcity Value and Production Optionality

- Rare opportunity to **acquire licensed facilities and permitted resource properties**, expediting production capabilities

(1) Based upon internal studies and other historic data prepared by prior owners in regards to the projects and dated between 1984 and 2019. Such estimates are being treated by the Company as historical in nature and a qualified person has not done sufficient work to classify the historical estimates as current mineral resources. The Company is not treating them as current resource estimates and is disclosing these historic estimates for illustrative purposes and to provide readers with relevant information regarding the projects. In addition, such estimates were not prepared under S-K 1300 standards and the results of future estimates by the Company may vary from these historic estimates.

Sweetwater Uranium Project

Acquisition of Rio Tinto America's Sweetwater Mill and Properties

Creates UEC's 3rd Hub-and-Spoke Production Platform in the U.S.

- ✓ Added 4.1 million pounds U_3O_8 per year of licensed production capacity and 175 million pounds of historic resources(1)
- ✓ Sweetwater Mill, 3,000-ton-per-day facility, to be adapted to ISR
- ✓ Scalable platform with rich data, including 6.1 million feet of historic drilling – UEC's basin portfolio now totaling approx. 108,000 acres
- ✓ Previously permitted mines includes the Sweetwater (Red Desert), Big Eagle, and Jackpot (Green Mountain) uranium mines, approved for conventional mining methods
- ✓ Significant time and cost savings in modifying existing plant versus building a new facility, including shared infrastructure and enhanced operating synergies

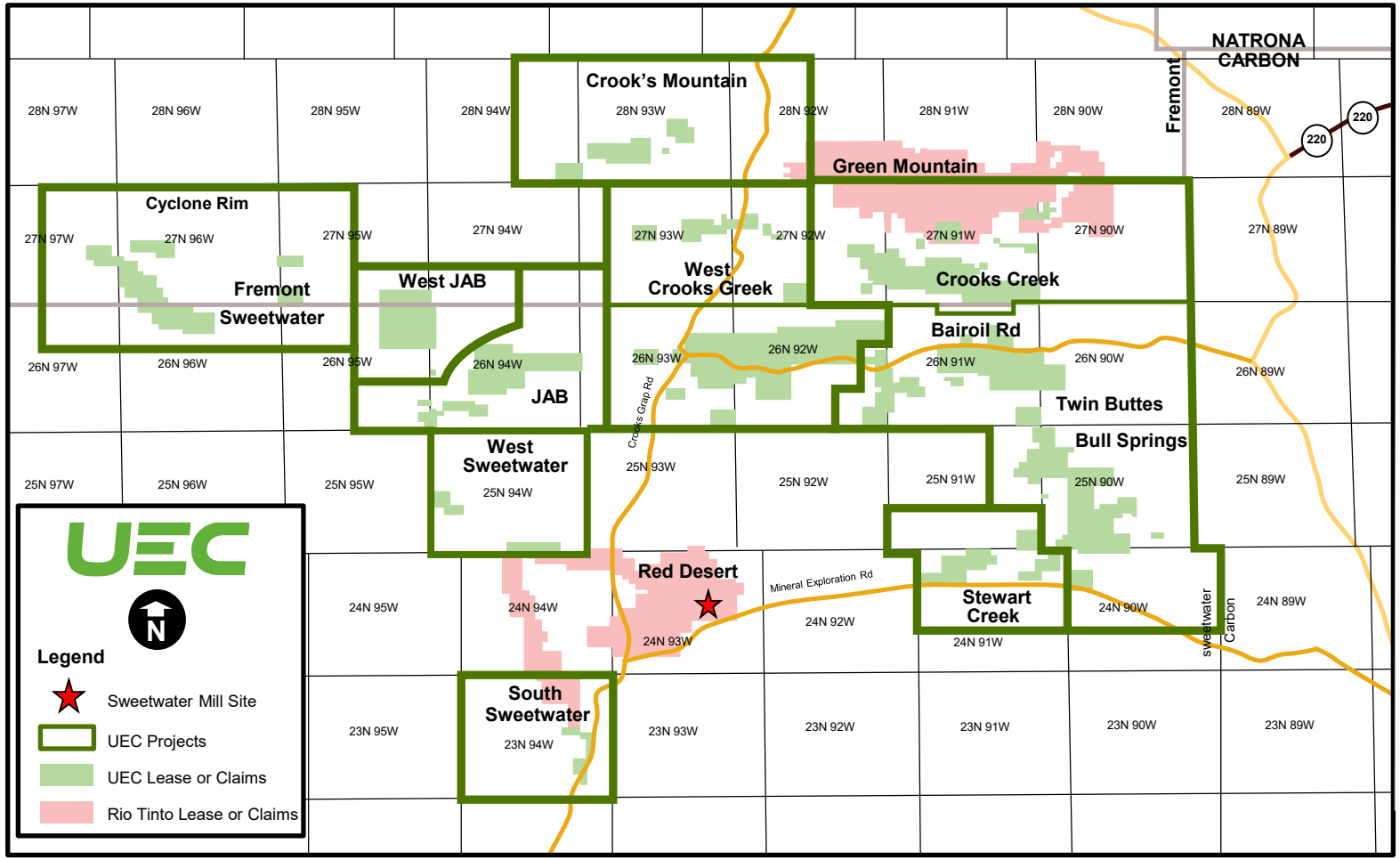
Sweetwater Plant, Wyoming

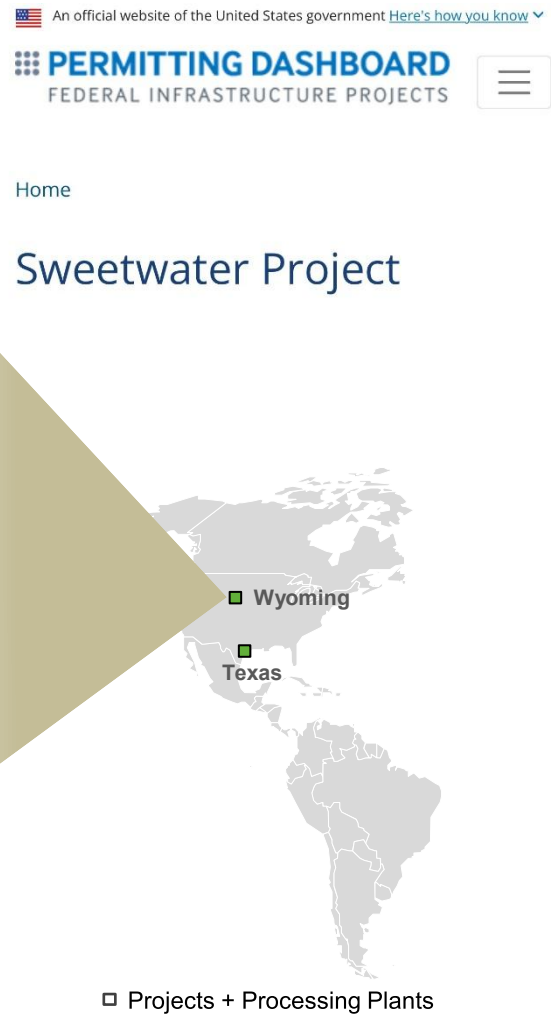
Largest Uranium complex in the U.S. – Designated as a FAST 41 Transparency Project In line with President Trump's Executive Orders

(1) Based upon internal studies and other historic data prepared by prior owners in regards to the projects and dated between 1984 and 2019. Such estimates are being treated by the Company as historical in nature and a qualified person has not done sufficient work to classify the historical estimates as current mineral resources. The Company is not treating them as current resource estimates and is disclosing these historic estimates for illustrative purposes and to provide readers with relevant information regarding the projects. In addition, such estimates were not prepared under S-K 1300 standards and the results of future estimates by the Company may vary from these historic estimates.

Sweetwater Project Added to FAST-41 Transparency Dashboard

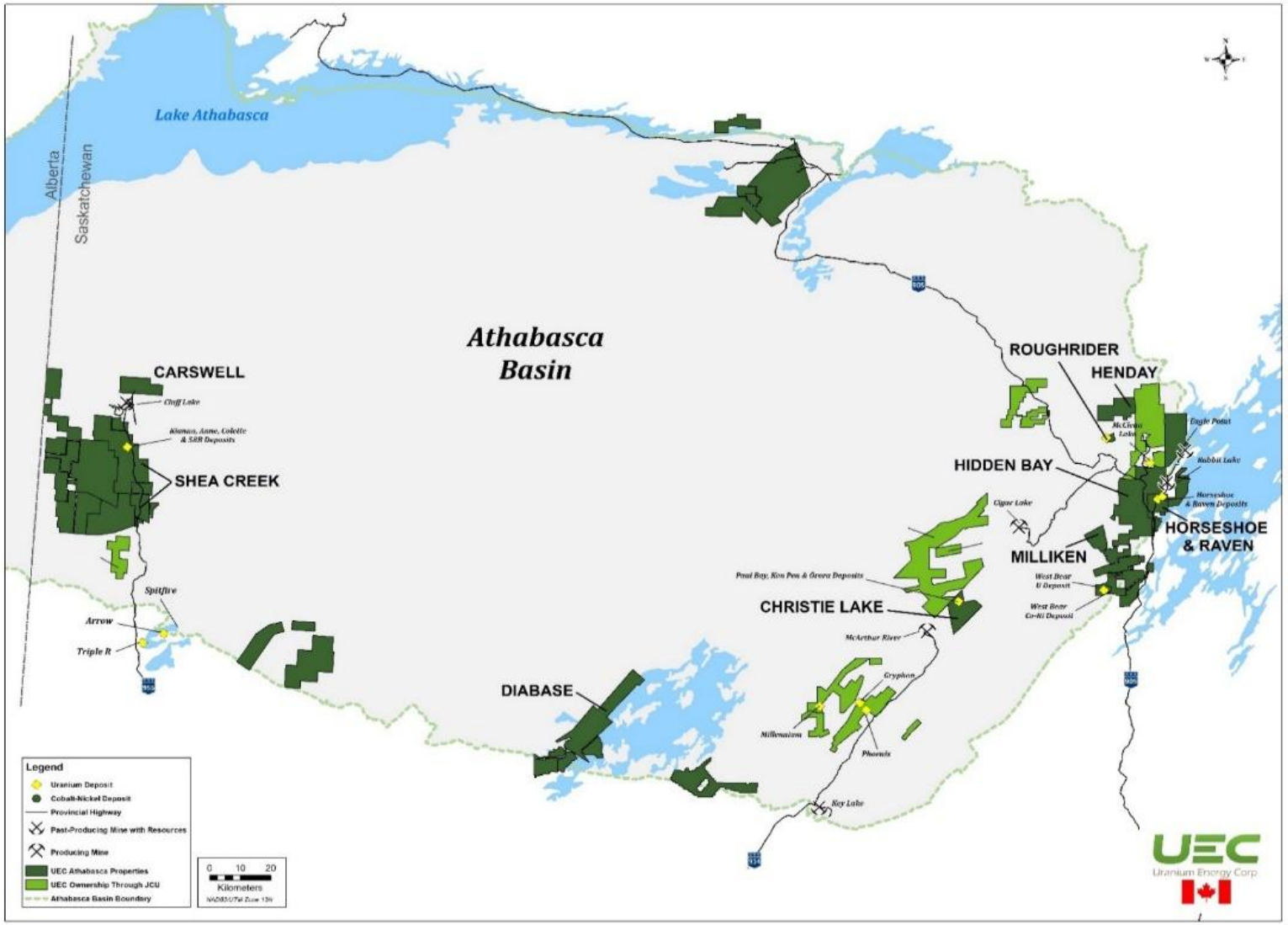
Provides unmatched flexibility to scale production across the Great Divide Basin.





Athabasca Basin, Canada

Scaling-up in the World's Most Prolific Uranium Mining District



Roughrider Project, Athabasca Basin

After Cameco and Orano, UEC controls the largest diversified resource base[(1)], hosted in multiple assets in Canada's Athabasca and Thelon Basins

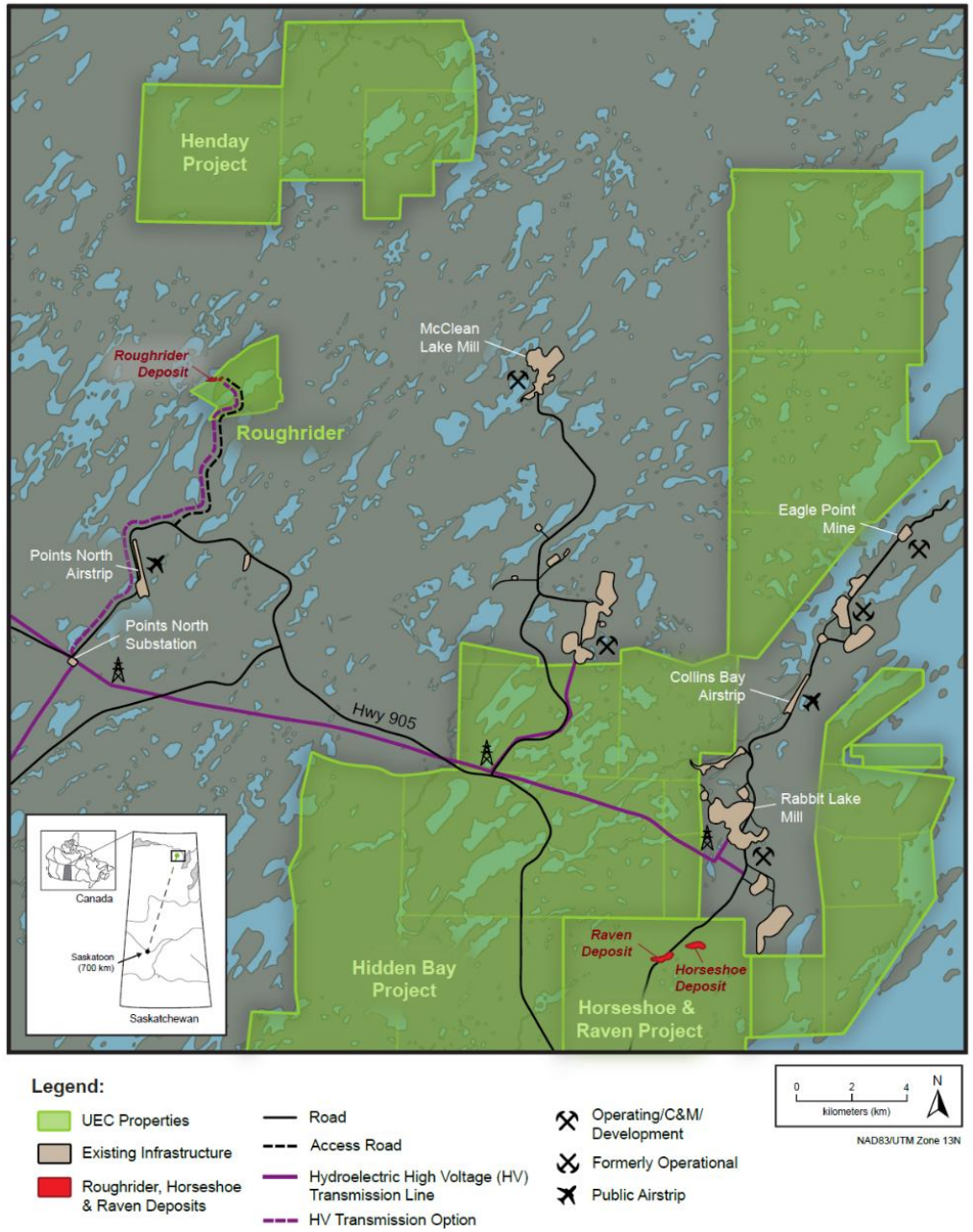
109.9M lbs	**68.4M lbs**	**1.14M Acres**
Attributable M&I U_3O_8 Resources (1)	Attributable Inferred U_3O_8 Resources (1)	Land position for future growth opportunities

(1) Represents aggregate estimated mineral resources in the applicable categories across all of UEC's properties. See slide references to underlying technical report summaries.

World Class Roughrider Project
Pre-Feasibility Commenced

Pre-Feasibility Commenced & Metallurgical Test Work Significantly Advanced

- ✓ Metallurgical test work significantly advanced with bulk solvent extraction and yellowcake precipitation completed
- ✓ Initial Economic Assessment demonstrated industry leading financial returns in the Eastern Athabasca Basin
  - $946 million Post Tax NPV_8, IRR of 40%, payback of 1.4 years(1)(2)
  - LOM avg. production 6.8 M lbs. U_3O_8 / yr
  - Low initial CapEx of $545 Million, includes Mill and UG mining, AISC $20.48/lb U_3O_8
- ✓ Located in infrastructure rich Eastern Athabasca reduces initial capex and future operating costs – 7 km north of a commercial airport and camp facilities



(1) The assessment is preliminary in nature, it includes inferred mineral resources that are considered too speculative geologically to have modifying factors applied to them that would enable them to be categorized as mineral reserves, and there is no certainty that this economic assessment will be realized. (2) Please refer to the technical report summary titled "S-K 1300 Initial Assessment Report – Roughrider Uranium Project Saskatchewan, Canada" dated November 6, 2024, a copy of which is available under UEC's profile at www.sec.gov, for further details, including important information regarding the assumptions, methodology and other matters underlying the initial economic study.

Roughrider

World-Class Mine Plan with Leverage to Uranium Price

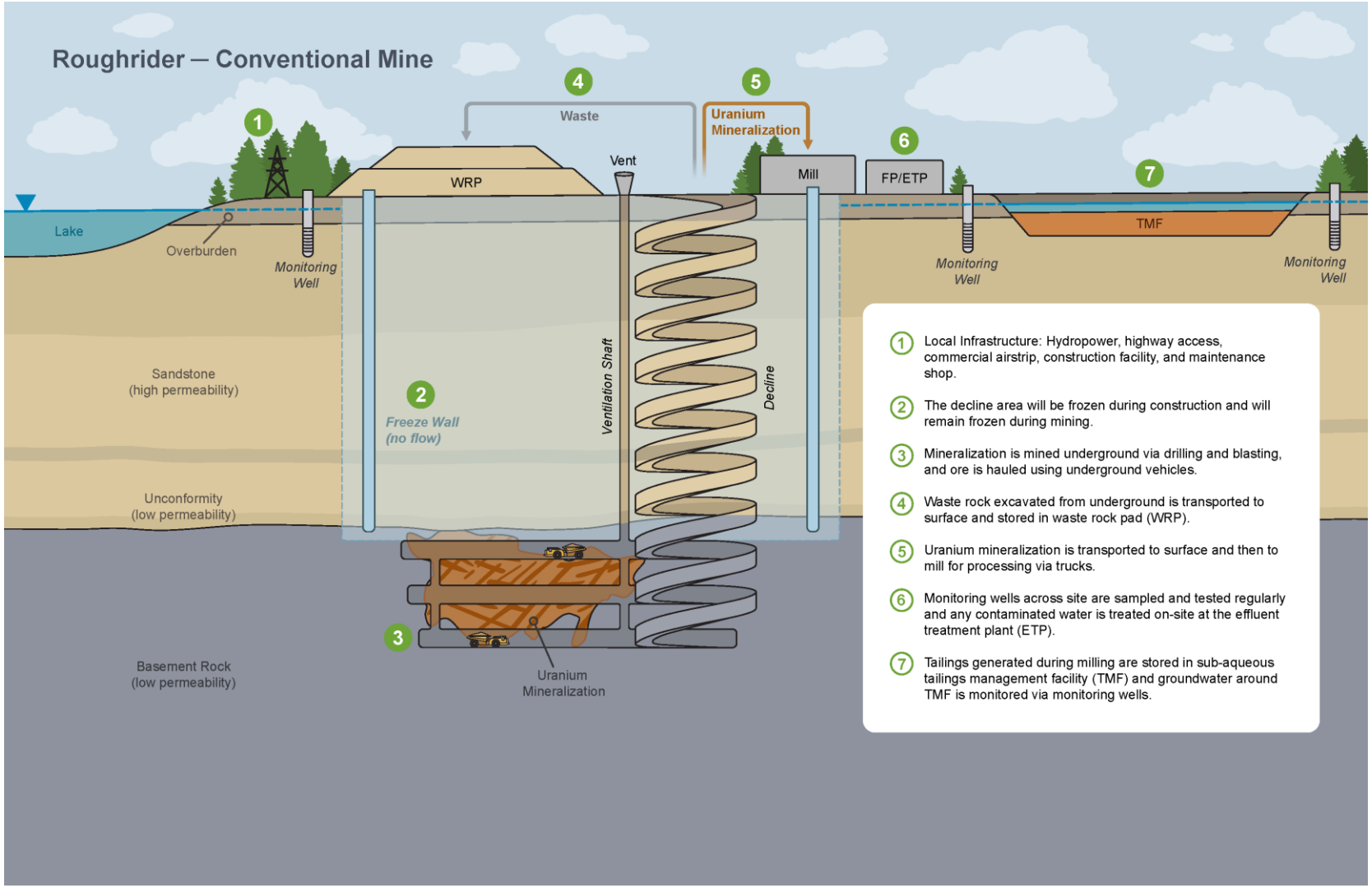
Initial Assessment Report Physical Highlights[1][2]		
Avg. LOM Annual Production	M lbs U_3O_8	6.8
LOM Production	M lbs U_3O_8	61.2
Mine Life	Years	9
Mill Processing rate	tonnes / day	400
Underground peak mining rate	tonnes / day	818
LOM tonnes processed	tonnes	1,205,000
LOM Avg. Head Grade	%U_3O_8	2.36
Process Recovery	%	97.5

Roughrider Project Financial Estimates based on Uranium Price[1][2]			
Uranium Price (US$ / lb U_3O_8)	**After-Tax NPV_8**	**After-Tax IRR**	**Average Annual LOM EBITDA (US$)**
$ 150 / lb U_3O_8	US$ 2.1 Billion	64%	$ 730 Million
$ 100 / lb U_3O_8	US$ 1.2 Billion	46%	$ 473 Million
$ 90 / lb U_3O_8	US$ 1.0 Billion	42%	$ 421 Million
$ 85 / lb U_3O_8	**US$ 0.9 Billion**	**40%**	**$ 395 Million**
$ 50 / lb U_3O_8	US$ 0.3 Billion	21%	$ 215 Million

(1) The assessment is preliminary in nature, it includes inferred mineral resources that are considered too speculative geologically to have modifying factors applied to them that would enable them to be categorized as mineral reserves, and there is no certainty that this economic assessment will be realized. (2) Please refer to the technical report summary titled "S-K 1300 Initial Assessment Report – Roughrider Uranium Project Saskatchewan, Canada" dated November 6, 2024, a copy of which is available under UEC's profile at www.sec.gov, for further details, including important information regarding the assumptions, methodology and other matters underlying the initial economic study.

Roughrider

High-quality Asset with Robust Mine Design



Athabasca Growth Portfolio

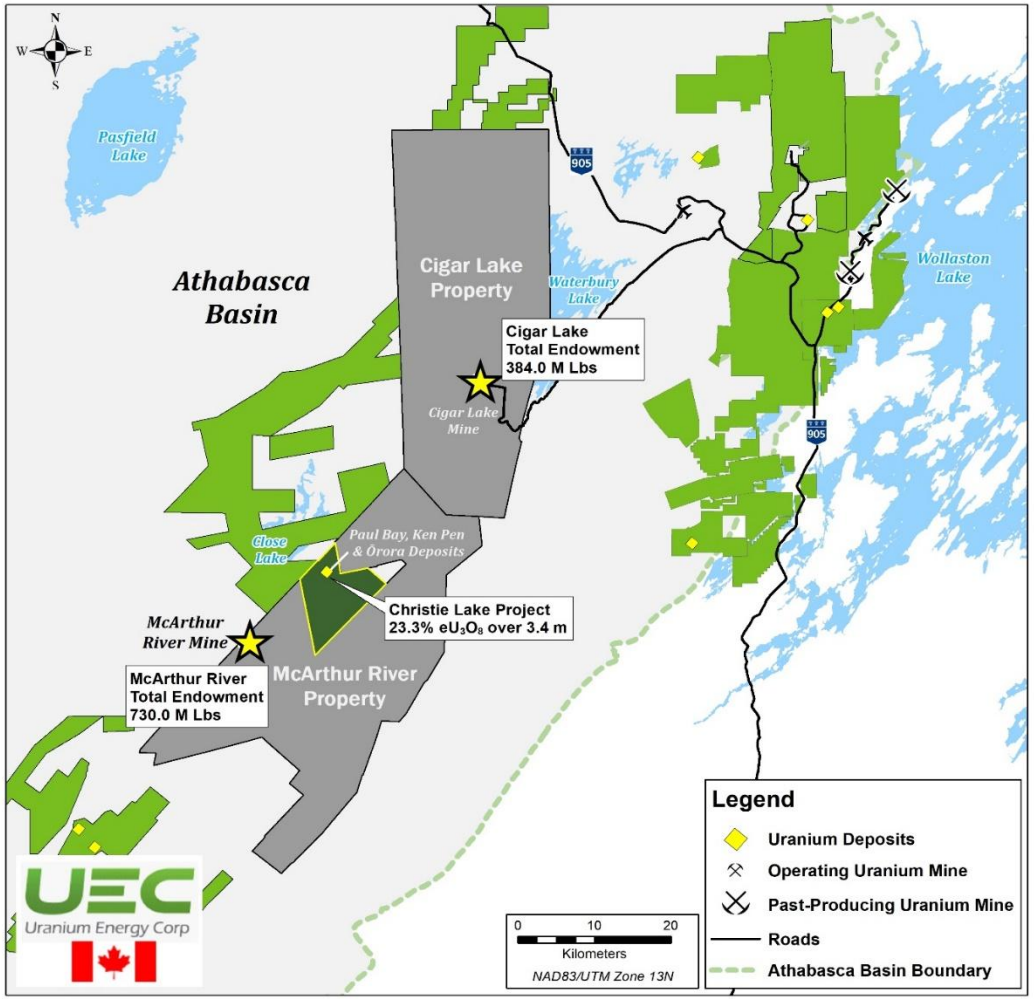
Strong Project Pipeline & Strategically Placed Assets

Christie Lake

- High-grade deposit along Cameco's McArthur River trend – the only exploration project not controlled by Cameco or Orano
- 20.35 M lbs. U_3O_8 in three existing deposits
- Exploration potential:
  - High-grade mineralized trend open to the east from drill hole that grades 68.7% eU_3O_8 over 2.1 m in CB-176A(1)
  - No drill holes in untested south conductor

Additional Exploration Projects with Synergies

- **Horseshoe-Raven:** (100% ownership) 37.43 million Lbs. Indicated resources in 10,352,500 tonnes of ore. The project is ~40 km from potential Roughrider project and potential mill(2)
- **Hidden Bay:** (100% ownership) Exploration project representing the best brownfield exploration targets in the eastern Athabasca



(1) Please refer to press release dated October 4, 2022, a copy of which is available under UEC's profile at www.sec.gov, or on the UEC website.
(2) Information regarding regional projects is for informational purposes only and not intended as demonstrative of potential results from UEC's projects.

Strong Joint-Venture Partnerships

Partnering with Established Uranium Miners allowing UEC to focus on Near-Term Growth
UEC exposure to 44.6 M lbs. Indicated, 18.2 M lbs. Inferred, and 21.5 M lbs. Historical

Millennium ~ 15.1%

- Millennium is an advanced uranium project located between Cameco's McArthur River Mine and Key Lake Mill in the Athabasca Basin
- Cameco's next global development project
- Hosts 75.9 M lbs. U_3O_8 of Indicated and 29.0 M lbs. U_3O_8 of Inferred resource (100% basis)(1)

Shea Creek ~ 49.1%
Kiggavik ~ 16.9%

Shea Creek

- One of the largest undeveloped deposits in the Athabasca Basin
- Hosts 67.6 M lbs. U_3O_8 of Indicated and 28.1 M lbs. U_3O_8 of Inferred resources (100% basis)(2)

Kiggavik

- Kiggavik is an advanced uranium project located in Nunavut
- Hosts 127.3 M lbs. U_3O_8 of historical Indicated and 5.4 M lbs. U_3O_8 of historical Inferred resource (100% basis)(3)

(1) Based upon Cameco's annual information form for the year ended December 31, 2024, a copy of which is available under its profile at www.sedarplus.ca. This estimate was prepared by Cameco in accordance with National Instrument 43-101 and CIM Definition Standards which may not be comparable to resource estimates prepared under SK 1300. (2) See the technical report summary titled "Technical Report on the Shea Creek Project, Saskatchewan" with an effective date of October 31, 2022, available under UEC's profile at www.sec.gov. (3) Kiggavik resources as reported by Orano in their 2021 Activities Report available on their website at www.orano.group converted from tonnes U to pounds U3O8 and from %U to %U3O8. The reader is cautioned that neither UEC or UEX are aware whether Orano's reporting of resources conforms to NI 43-101 and CIM guidelines. These are treated by the UEX and UEC as historic resource estimates. There are no other estimates available to UEC or UEX.

Leading Uranium Sector Sustainalytics Score

- ✓ UEC holds the leading Sustainalytics and ISS Quality Score ESG ratings amongst uranium mining companies assessed
- ✓ UEC is ranked in the top 5th percentile (12th of 231) when assessed on its sustainability practices against global diversified metals and mining companies(1)

ESG Risk Rating COMPREHENSIVE

23.8 Medium Risk

Negligible	Low	Medium	High	Severe
0-10	10-20	20-30	30-40	40+

Ranking

Industry Group (1st = lowest risk)

Diversified Metals **12** out of 231

Universe

Global Universe **6491** out of 15160

(1) Data and ranking is as of April 10, 2025. subject to change as new companies are re-rated by Sustainalytics.

UEC At a Glance

Cash, Inventory[1] and Equities[2]	**$321 million, no debt**
Average Daily Traded Value - 3 months[3]	**$179 M**
Shares Outstanding	480.8 M
Warrants	0.2 M
Options + Stock Awards	7.2 M
Fully Diluted	**488.2 M**
Recent Activity	**$12.21** As of November 6, 2025
Market Cap	**$5.87 B** As of November 6, 2025

Member of the **Russell 2000® Index**

Top Shareholders

UEC Team, T. Rowe Price Associates, Blackrock, Vanguard Group, Mirae Asset Financial Group, State Street, Van Eck Associates Corp, ALPS Advisors, MM Asset Management, Norges Bank, Driehaus Capital

Analyst Coverage

Alexander Pearce, BMO Capital Markets
Katie Lachapelle, Canaccord Genuity
Brian Lee, Goldman Sachs
Heiko Ihle, H.C. Wainwright & Co.
Mohamed Sidibe, National Bank
Joseph Reagor, ROTH Capital Partners
Justin Chan, Sprott Capital Partners
Ralph Profiti, Stifel Canada
Craig Hutchison, TD Securities

(1) Does not include inventory in-process or dried and drummed concentrate at the Irigaray central processing plant. (2) Includes cash, uranium inventories based on spot price quoted on UxC ConverDyn of $71.25/lb, and publicly traded equities based on closing prices as of July 31, 2025. (3) Source: FactSet, Based on last 6 months of trading across U.S. listings

Over 900 Years of Combined Experience in the Uranium Industry

Amir Adnani

President, CEO, Director

An entrepreneur, founding CEO of UEC, founder and Co-Chairman of GoldMining Inc., with extensive experience building natural resource companies. Serves on the World Nuclear Association Board of Management.

Spencer Abraham

Chairman, Board of Directors

Served as a U.S. Senator from 1995 to 2001, as Secretary of Energy from 2001 to 2005 and previously as non-executive Chairman of Areva's U.S. board.

Scott Melbye

Executive Vice President

Over 40 years of experience in senior roles with uranium majors, Cameco, Uranium One, and Kazatomprom. President of Uranium Producers of America and former Chair of the World Nuclear Fuel Market.

Brent Berg

Senior VP of U.S. Operations

Former President of Cameco Resources, leading Cameco's U.S. uranium ISR operations in Wyoming and Nebraska. More than 21 years of experience in uranium production.

Donna Wichers

Senior VP - Production Growth

Former COO and board member of Uranium One Americas. Over 40 years of experience in senior roles with ISR and conventional uranium mines in the U.S.

F.P. "Butch" Powell

VP of Marketing and Sales

More than 30 years' experience in the nuclear fuel industry – past Chair of the Nuclear Energy Institute's Fuel Suppliers Committee

James Hatley

VP of Production - Canada

Over 25 years of mining experience incl. uranium and base metals mine development, construction, and operations. Led construction for Vale, developed McArthur River and Cigar Lake for Cameco Corp.

Chris Hamel

VP of Exploration - Canada

Over 20 years of experience in uranium exploration in North America and the Athabasca Basin

Scott Schierman

VP of Environment, Health & Safety - Wyoming

Over 40 years of experience in regulatory licensing and compliance in the uranium industry. Extensive experience with reclamation of conventional mill and uranium heap leach facilities.

Craig Wall

VP of Environment, Health & Safety - Texas

Over 15 years of permitting ISR projects in the U.S. ESG project manager. Chairman of Texas Mining & Reclamation Association uranium sub-committee.

Creating Value by Delivering on a Robust Pipeline

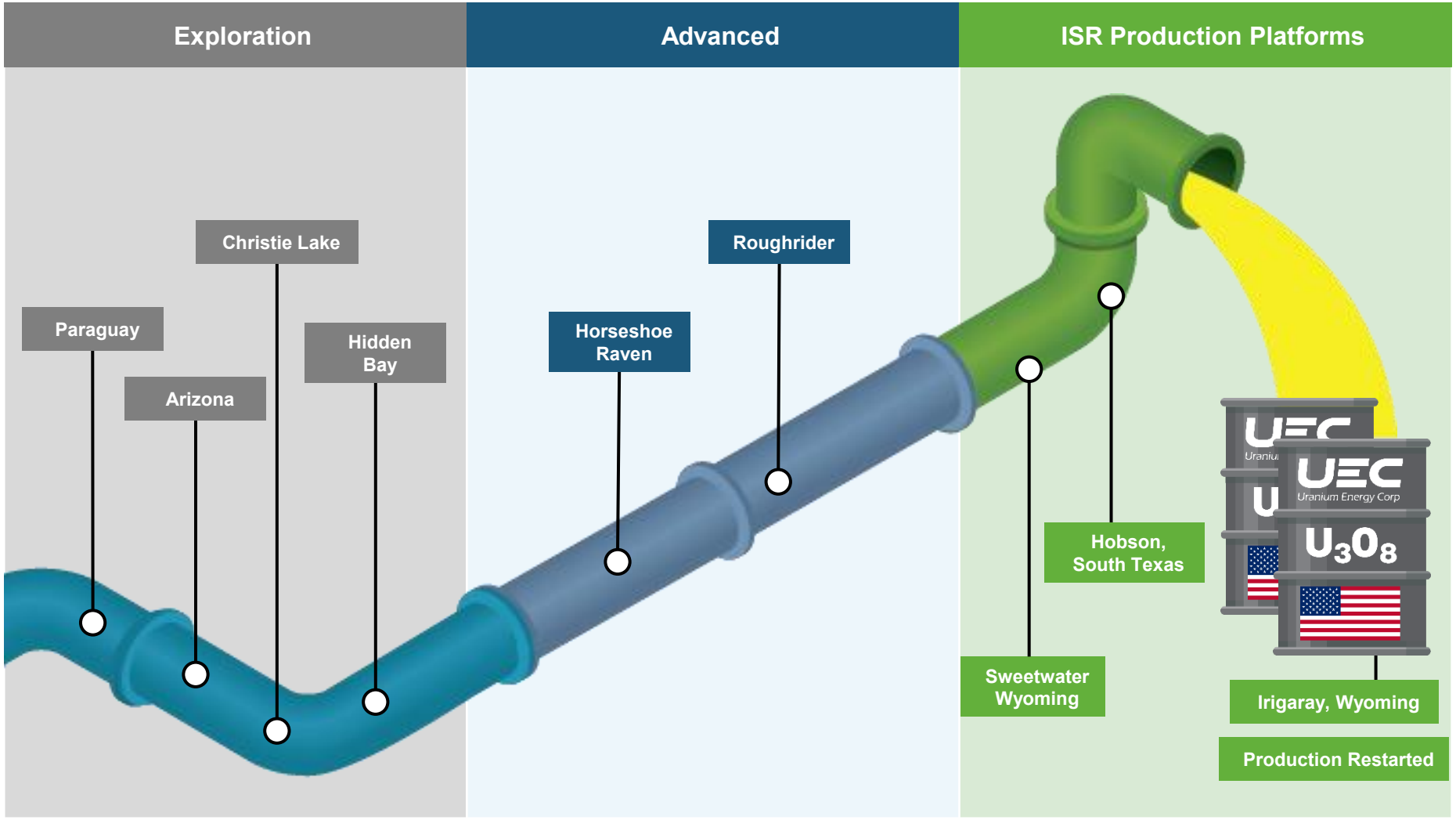
330.1 Million lbs. (230.1 M&I / 100.0 Inf.) **Plus 175 Historical**[1,2]

Minority Asset Interests:

- **Millennium** (15.0% interest – operated by Cameco)
- **Kiggavik** (16.9% interest – operated by Orano)
- **Shea Creek** (49.1% interest – operated by Orano)
- **Wheeler River** (5.0% interest – operated by Denison)

Minority Equity Interests:

- **Uranium Royalty Corp.** (13.5%)
- **Anfield Energy Inc.** (32.4%)



(1) Does not include the Kiggavik, Wheeler River, or West Bear project resources. Refer to the appendix for a detailed breakdown of resources reported under S-K 1300, note the Disclaimer on Slide 2, and refer to the Company's technical report summaries on SEDAR+ and EDGAR. (2) Based upon internal studies and other historic data prepared by prior owners in regards to the projects and dated between 1984 and 2019. Such estimates are being treated by the Company as historical in nature and a qualified person has not done sufficient work to classify the historical estimates as current mineral resources. The Company is not treating them as current resource estimates and is disclosing these historic estimates for illustrative purposes and to provide readers with relevant information regarding the projects. In addition, such estimates were not prepared under S-K 1300 standards and the results of future estimates by the Company may vary from these historic estimates.

Uniquely Positioned with 100% Unhedged Production and Significant Growth Pipeline

- **Goal to become positioned as the only U.S. vertically integrated Company with mining, processing, refining and conversion capabilities**
- **Advancing the Phased Ramp-Up of Low-Cost U.S. ISR operations**
- **12.1 M lbs of combined U.S. Licensed Production Capacity from 3 Central Processing Plants**
- **Advancing the High-grade Roughrider Project** with Initial Assessment Economic Study reporting **$946M Post Tax NPV_8**
- **Largest resource portfolio in the U.S. and one of the largest in North America: Total resources of 330.1 M lbs. U_3O_8 (230.1 M&I / 100.0 Inf.) with 175 M lbs Historical**(1)
- **Robust Financial Position with $321 million**(2) **in cash, inventory, and equities, including 1,356,000 pounds**(3) **of U_3O_8, and no debt at July 31 2025**
- **Geopolitical events and energy security have placed a premium on North American supply**

(1) Based upon internal studies and other historic data prepared by prior owners in regards to the projects and dated between 1984 and 2019. Such estimates are being treated by the Company as historical in nature and a qualified person has not done sufficient work to classify the historical estimates as current mineral resources. The Company is not treating them as current resource estimates and is disclosing these historic estimates for illustrative purposes and to provide readers with relevant information regarding the projects. In addition, such estimates were not prepared under S-K 1300 standards and the results of future estimates by the Company may vary from these historic estimates.

(2) Market values for securities are based on closing prices as at July 31, 2025, and for uranium inventories are based on the spot price quoted on UxC ConverDyn as of such date.

(3) Does not include inventory in-process or finished inventory at the Irigaray Central Processing Plant.

Appendix

UEC U.S. and Paraguay Resource Summary[1]

PROJECTS	Measured Resources			Indicated Resources			M+I	Inferred			Exploration Target[2]			Historic**		
	Tons ('000)	Grade (% U_3O_8)	lbs. U_3O_8 ('000)	Tons ('000)	Grade (% U_3O_8)	lbs. U_3O_8 ('000)	lbs. U_3O_8 ('000)	Tons ('000)	Grade (% U_3O_8)	lbs. U_3O_8 ('000)	Tons ('000)	Grade (% U_3O_8)	lbs. U_3O_8 ('000)	Tons ('000)	Grade (% U_3O_8)	lbs. U_3O_8 ('000)
ARIZONA																
Anderson				16,175	0.099	32,055	32,055									
Los Cuatros														30,000	0.02	12,000
Workman Creek								1,981	0.113	4,459						
NEW MEXICO																
Dalton Pass														2,530	0.09	4,430
C de Baca																500
WYOMING																
Reno Creek	14,990	0.043	12,920	16,980	0.039	13,070	25,990	1,920	0.039	1,490						
Irigaray				3,881	0.076	5,899	5,899	104	0.068	141						
Christensen Ranch[3]				6,555	0.073	9,596	9,596			0						
Moore Ranch	2,675	0.06	3,210				3,210	46	0.047	44						
Ludeman	2,674	0.091	5,017	2,660	0.088	4,697	9,714	866	0.073	1,258						
Allemand-Ross	246	0.083	417	32	0.066	42	459	1,275	0.098	2,496						
Barge				4,301	0.051	4,361	4,361			0						
Jab/West Jab	1,621	0.073	2,335	253	0.077	392	2,727	1,402	0.06	1,667						
Charlie				1,255	0.12	3,100	3,100	411	0.12	988						
Clarkson Hill							0	957	0.06	1,113						
Nine Mile Lake							0	3,405	0.04	4,308						
Red Rim				337	0.17	1,142	1,142	473	0.16	1,539						
Remaining Wyoming District																72,476
TEXAS																
Burke Hollow	581	0.086	964	3,329	0.083	5,191	6,155	2,596	0.104	4,883	3,000 to 6,000	0.03 to 0.06	1,800 to 7,200			
Goliad	1,595	0.053	2,668	1,504	0.102	3,492	6,160	333	0.195	1,224						
La Palangana				232	0.134	643	643	302	0.18	1,001						
Salvo								1,200	0.08	2,839						
PARAGUAY																
Yuty				9,074	0.050	8,962	8,962	2,733	0.04	2,203						
Oviedo							0				28,900 to 53,800	0.04 to 0.05	23,100 to 56,000			
TOTALS	**24,382**		**27,531**	**66,568**		**92,642**	**120,173**	**20,004**		**31,639**	**31,900 to 69,800**	**0.04 to 0.06**	**24,900 to 63,200**	**32,530**	**0.1***	**89,406**

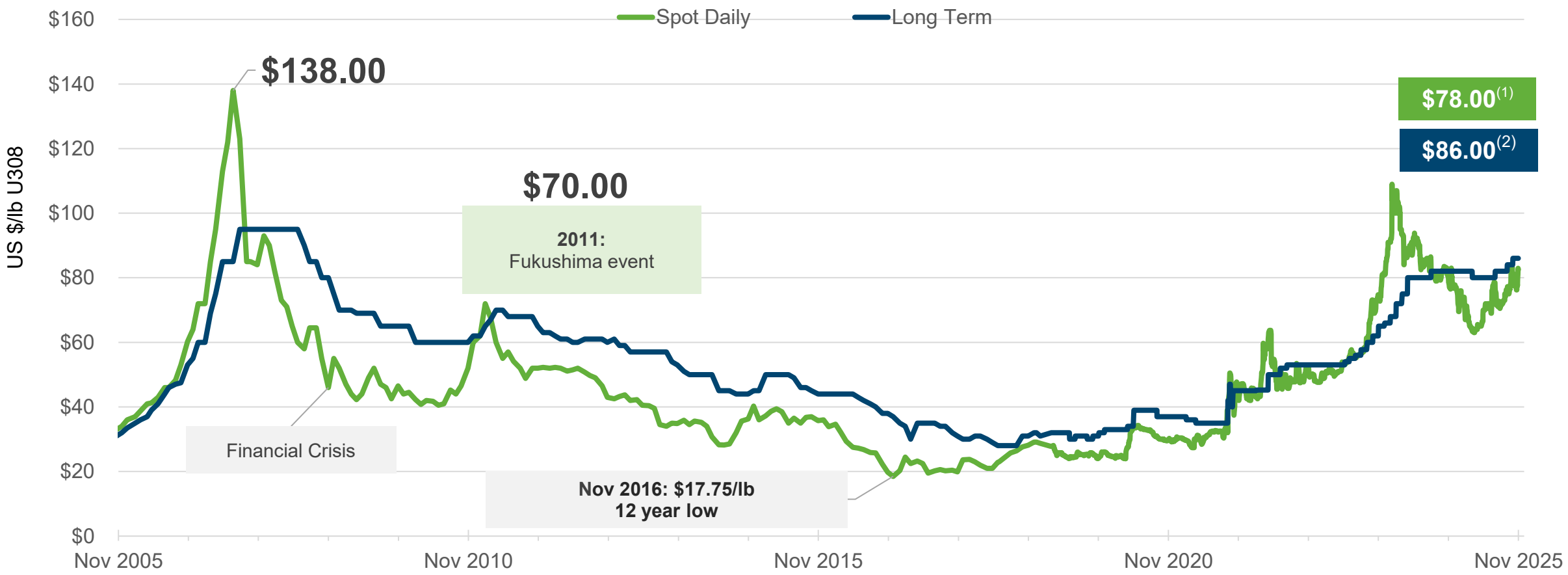
(1) Note to Investors. Measured, Indicated and Inferred Resources are estimated in accordance with SEC SK-1300 (*) Weighted averages (**) The foregoing historical resource estimates were completed prior to the implementation of SK-1300. A qualified person has not completed sufficient work to classify the historic mineral resources as current mineral resources, and the estimate should not be relied upon. (2) Exploration Target: is a statement or estimate of the exploration potential of a mineral deposit in a defined geological setting where the statement or estimate, quoted as a range of tonnage and a range of grade (or quality), relates to mineralization for which there has been insufficient exploration to estimate a mineral resource. (3) Does not include inventory in-process or finished inventory at the Irigaray Central Processing Plant.

Canadian Attributable Resource Summary

S-K 1300 Resources (1)						
Project	Indicated Resources			Inferred Resources		
	Tonnes (000's)	Grade (% U_3O_8)	M lbs. U_3O_8	Tonnes (000's)	Grade (% U_3O_8)	M lbs. U_3O_8
Roughrider	699	1.81	27.86	619	2.45	33.38
Christie Lake	-	-	-	488	1.57%	16.84
Horseshoe-Raven	10,353	0.16%	37.43	-	-	-
Shea Creek	1,009	1.49%	33.18	616	1.01%	13.78
Millennium	217	2.39%	11.42	62	3.19%	4.36
Total	**12,278**	**0.41%**	**109.89**	**1,785**	**1.74%**	**68.36**

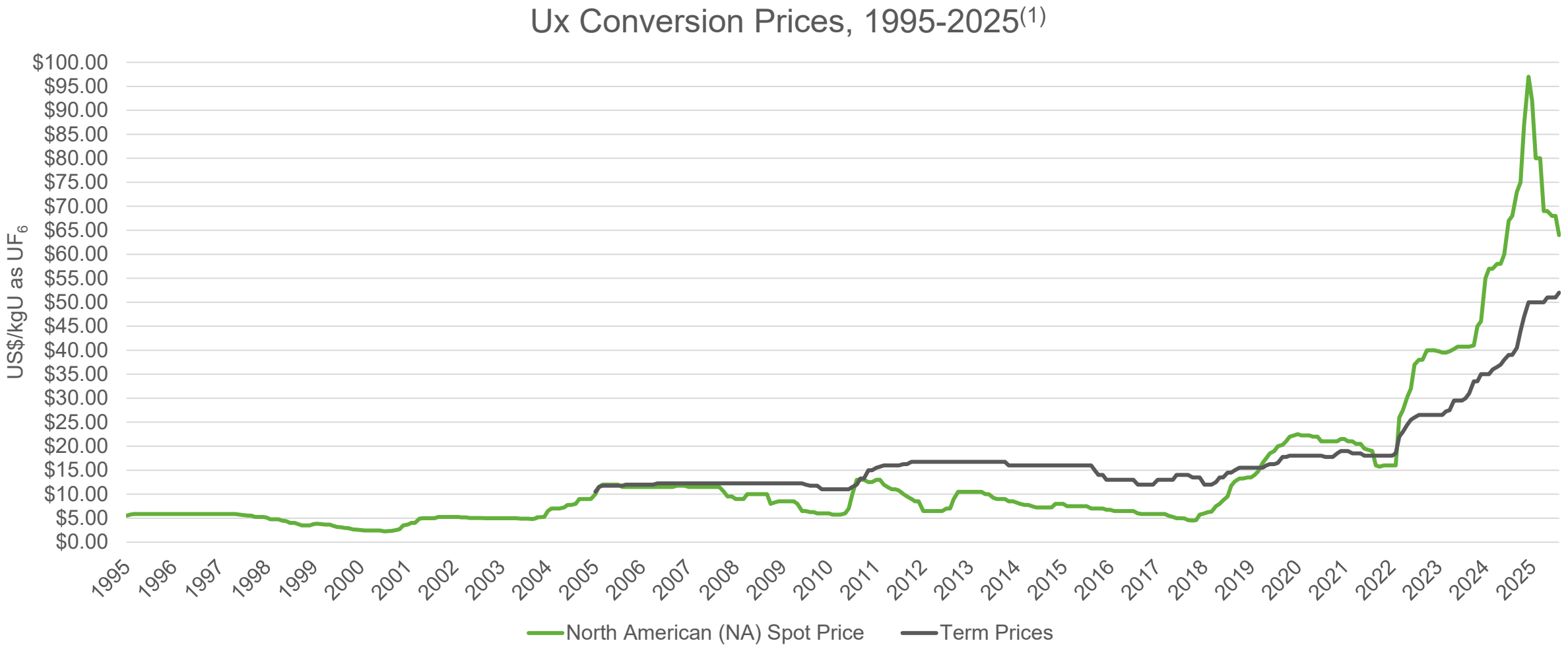
(1) Note to Investors. The mineral resource estimate has been prepared using industry accepted practice and conforms to the disclosure requirements of S-K1300. Does not include the Kiggavik, Wheeler River, or West Bear project resources.

Fundamentals Favor Significant Price Appreciation
Prices Still Well Below Previous Highs



Sources: (1) TradeTech November 6, 2025 (2) TradeTech October 31, 2025

Historical Ux Conversion Prices 1995-2025



 Source: (1) UxC Historical Prices

Emerging U.S. Government and SMR Demand for American Uranium

UEC and TerraPower announce a memorandum of understanding ("MOU") with the objective of reestablishing domestic supply chains of uranium fuel

- This MOU will allow TerraPower and UEC to explore the potential supply of uranium for TerraPower's first-of-kind Natrium reactor and energy storage system
- Wyoming's Governor Mark Gordon stated: "This MOU is a great step forward for the Wyoming uranium industry"

IRIGARAY PLANT – WYOMING HUB & SPOKE OPERATIONS

UEC wins award from the U.S. Department of Energy to supply 300,000 lbs. U_3O_8 to the strategic uranium reserve at a 20% Premium (based on spot market price at the time)

- This award established the U.S. strategic uranium reserve which is part of Government's goal of supporting America's nuclear fuel supply chain
- Strategic uranium reserve expected to be a $1.5 billion dollar program

HOBSON PLANT – TEXAS HUB & SPOKE OPERATIONS

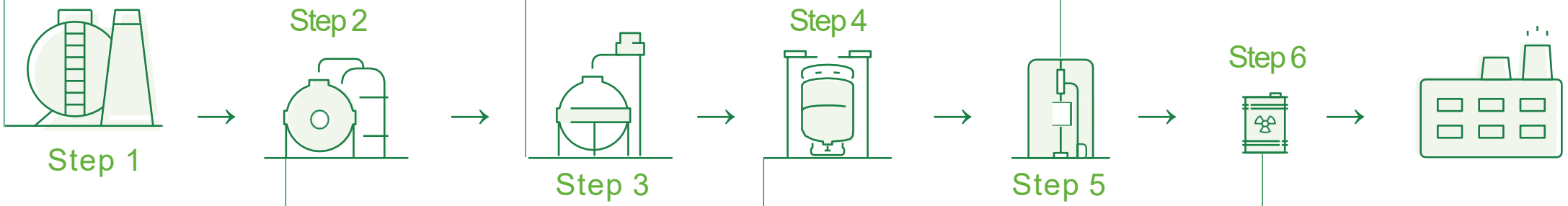
The Environmentally Friendly In-Situ Recovery Method

VISIT OUR WEBSITE FOR MORE INFORMATION

ISR is considered considerably more environmentally friendly compared to alternative, traditional mining approaches, as the ISR process does not require blasting or waste rock movement, resulting in less damage to the environment, minimal dust, and no resulting tailings or tailings facilities. Further, ISR is more discrete and, therefore, land access does not typically have to be restricted, and the area may be restored to its pre-mining usage faster than when applying traditional mining methods.

In-Situ Recovery Process

On-site groundwater, fortified with gaseous oxygen, is pumped into sandstone that contains uranium through a pattern of injection wells. It dissolves the uranium deposits, separating the uranium from the sandstone. The uranium-rich water is then pumped back up to the surface through a series of production wells.



Ion Exchange Process

An ion exchange system is used to separate the uranium from the water. The uranium is concentrated onto millions of synthetic resin beads.

Stripping

The synthetic resin beads are transferred to a stripping tank, where a salt water solution is used to strip the uranium from the resin beads.

Precipitation and Filtration

The uranium solution flows to a precipitation tank, where uranium crystals are formed. This is then put through a filter press, which separates the uranium solids from the liquid.

Drying

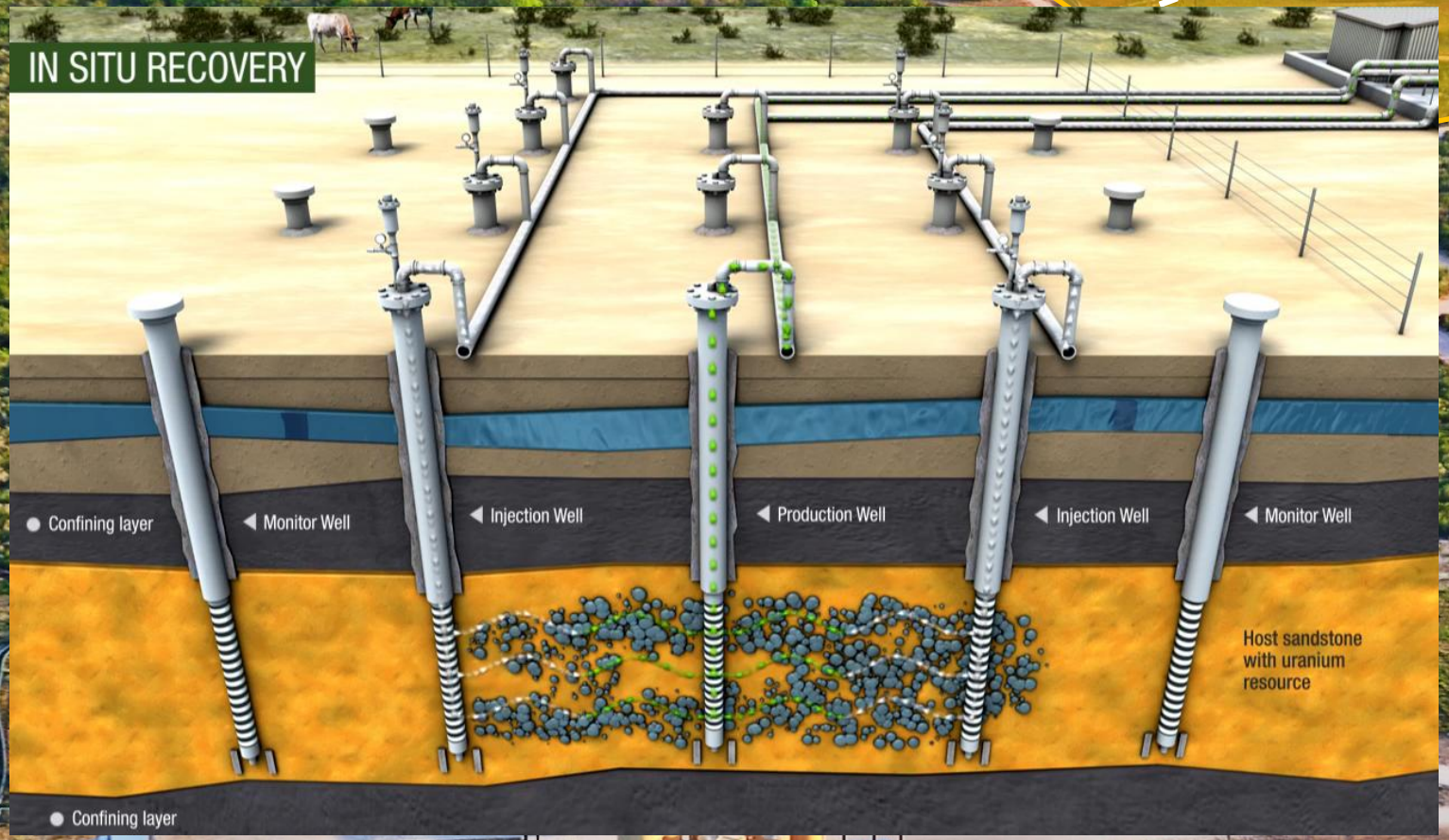
The uranium is washed with fresh water and transferred it to a zero emissions vacuum dryer in Texas, or calciner dryer in Wyoming, for further dewatering.

Packaging

The dewatered uranium (U_3O_8), also known as yellowcake, is then packed in steel drums for safe transportation to a conversion refinery.

In-Situ Recovery Overview

Low Cost & Environmentally Friendly



Watch how the In Situ Recovery (ISR) Technology works

ClickHere

UEC

UEC's Role in the Nuclear Energy Value Chain

In-Situ Recovery

Uranium ore is extracted from the ground. UEC uses the cost-effective and environmentally friendly in-situ recovery method, which pumps on-site groundwater, fortified with gaseous oxygen, carbon dioxide and sodium bicarbonate, into the sandstone that contains the uranium through a pattern of injection wells. This solution dissolves the uranium, separating the uranium from the sandstone.

The uranium-filled water is surfaced through production wells. Using our ion exchange system and uranium-specific ion exchange resins, we separate the uranium from the water. We then transport the uranium-laden ion exchange resin to the Central Processing Plant where the uranium is stripped from the resin and concentrated into yellowcake.

Step 1

FIND OUT MORE ABOUT OUR ISR PROCESS

Step 2

Conversion

The drums of yellowcake are transported to a refinery, where the U_3O_8 (yellowcake) is converted to a uranium hexafluoride (UF_6) solid or gas.

Enrichment

The utility that purchases our refined uranium transports the UF_6 to an enrichment plant. There, the Uranium-235 isotope (U-235) of the UF_6 is enriched to 4%-5%. New small modular reactors ("SMRs") require fuel enriched to 19%-20% U-235.

Step 3

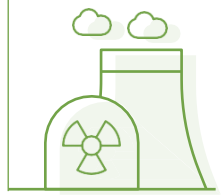
Step 4

Fuel Fabrication

Once the uranium has been enriched, it is transported to another facility for fabrication into solid fuel pellets – small cylindrical metallic pellets about the size of a Tic Tac – which are stacked together into sealed metal tubes called fuel rods. These rods are bundled together to form a fuel assembly for the reactors.

Reactors

Nuclear reactors, which use the enriched uranium for fuel, are the heart of a nuclear power plant. They contain and control nuclear chain reactions that produce heat through a physical process called fission. That heat is used to make steam that spins the turbine to create carbon-free electricity.



Step 5

Step 6

Distribution

That electricity is distributed along power lines to the end users.

Step 7

Electrical Users

End users receive safe, reliable, clean energy to power their homes, businesses and industrial plants.

Other Sources of Electric Power

URANIUM ENERGY CORP

Toll Free: (866) 748-1030
info@uraniumenergy.com
www.uraniumenergy.com

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500 North Shoreline
Ste. 800N
Corpus Christi, TX 78401
Tel: (361) 888-8235
Fax: (361) 888-5041

Investor Relations:
Bruce J. Nicholson

President and CEO:
Amir Adnani

Executive Vice President
Scott Melbye

UEC: NYSE American

Non-GAAP Measures

- This presentation includes reference to "Total Cost per Pound", “Cash Cost per Pound” and “Non-Cash Cost per Pound”, which do not have standardized meanings under GAAP. We define (i) Total Cost Per Pound as the addition to uranium concentrates from extraction (a component of inventories on the consolidated balance sheets) for the applicable period divided by the quantity (in pounds) of dried and drummed uranium concentrate produced in such period; and (ii) Cash Cost Per Pound as the addition to uranium concentrates from extraction (a component of inventories on the consolidated balance sheets), excluding depreciation, depletion and amortization, for the applicable period divided by the quantity (in pounds) of dried and drummed uranium concentrate in such period; and (iii) Non-Cash Cost Per Pound as the difference between Total Cost per Pound and Cash Cost per Pound. We believe that, in addition to conventional measures prepared in accordance with GAAP, certain investors and other stakeholders also use this information to evaluate our operating and financial performance. The use of these performance measures is intended to provide additional information and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with GAAP. Our definition of these measures may differ from other mining companies and therefore may not be comparable. These non-GAAP measures should be read in conjunction with our consolidated financial statements for the applicable periods.