



AMERICA'S LARGEST & FASTEST GROWING URANIUM COMPANY

Corporate Presentation – October 2025

URANIUM ENERGY CORP | NYSE AMERICAN: **UEC** | URANIUMENERGY.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	<p>Leading North American Resource Base 230.1 M lbs. M&I 100.0 M lbs. Inferred U₃O₈ Resources⁽¹⁾ 175 M lbs. Historical⁽²⁾</p> <p>Over \$1 Billion in Accretive Acquisitions</p>
Largest Licensed Production Capacity in the U.S.	<p>Wyoming Production Restarted, with Phased U.S. ISR Ramp-Up</p> <p>12.1 M lbs. U₃O₈ U.S. Licensed Capacity/Year⁽³⁾</p>
Building for End-to-End Capabilities	<p>Launched U.S. Uranium Refining & Conversion Corp (UR&C) to advance American nuclear fuel security and energy dominance</p>
Strong Balance Sheet No Debt	<p>\$321 Million in Cash, inventory, and equities at market price⁽⁴⁾</p> <p>100% Unhedged Price Exposure</p>

(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.



IRIGARAY PLANT – WYOMING HUB & SPOKE OPERATIONS



HOBSON PLANT – TEXAS HUB & SPOKE OPERATIONS



SWEETWATER PLANT – WYOMING HUB & SPOKE OPERATIONS



ATHABASCA BASIN , HIGH-GRADE CONVENTIONAL PORTFOLIO

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 mine-units 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

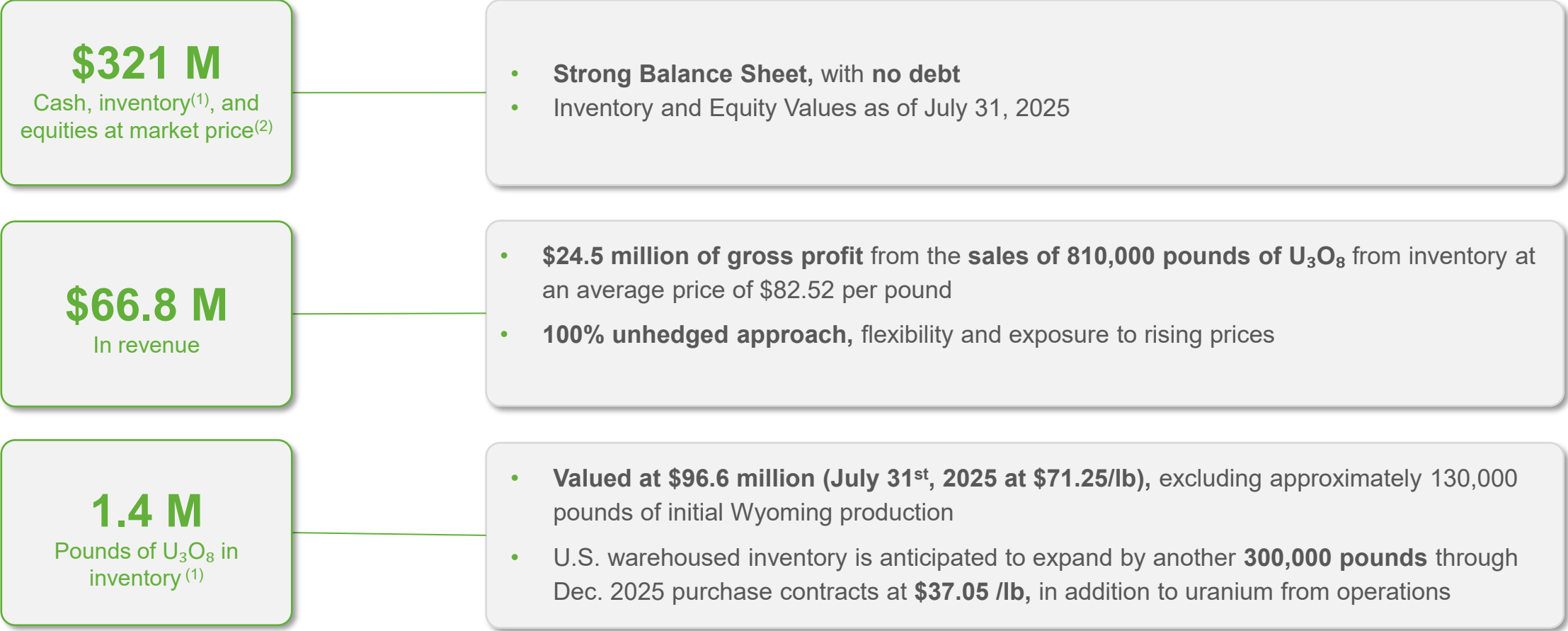


(1) Total Cost per Pound, Cash Cost Per Pound and Non-Cash Cost Per Pound are not measures of financial performance under accounting principles generally accepted in the United States ("GAAP") and should not be considered in isolation or as a substitute for analysis of our results as reported under GAAP. See "Non-GAAP Measures" on slide 47.

(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



(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.

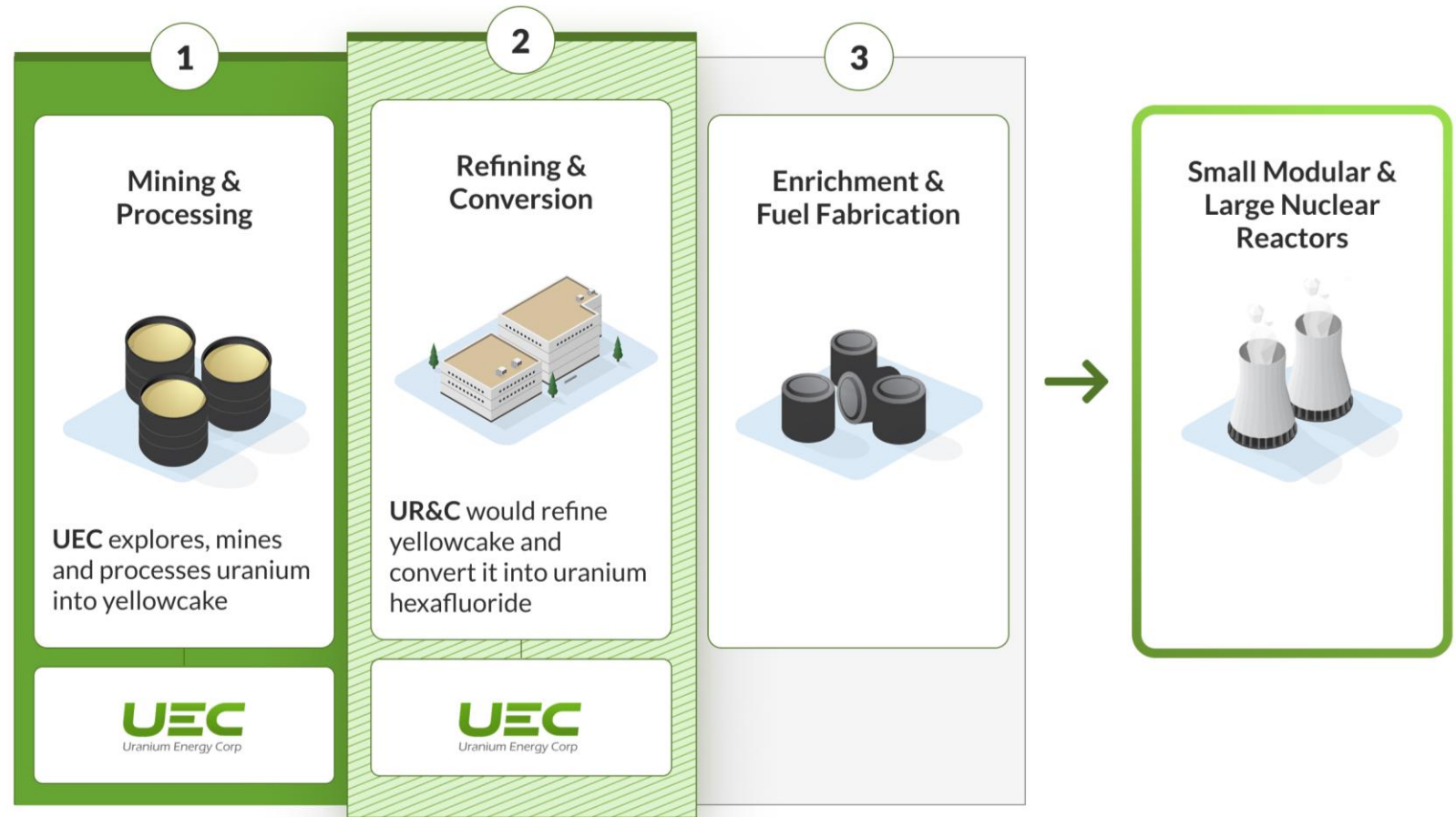
Launch of United States Uranium Refining & Conversion Corp

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

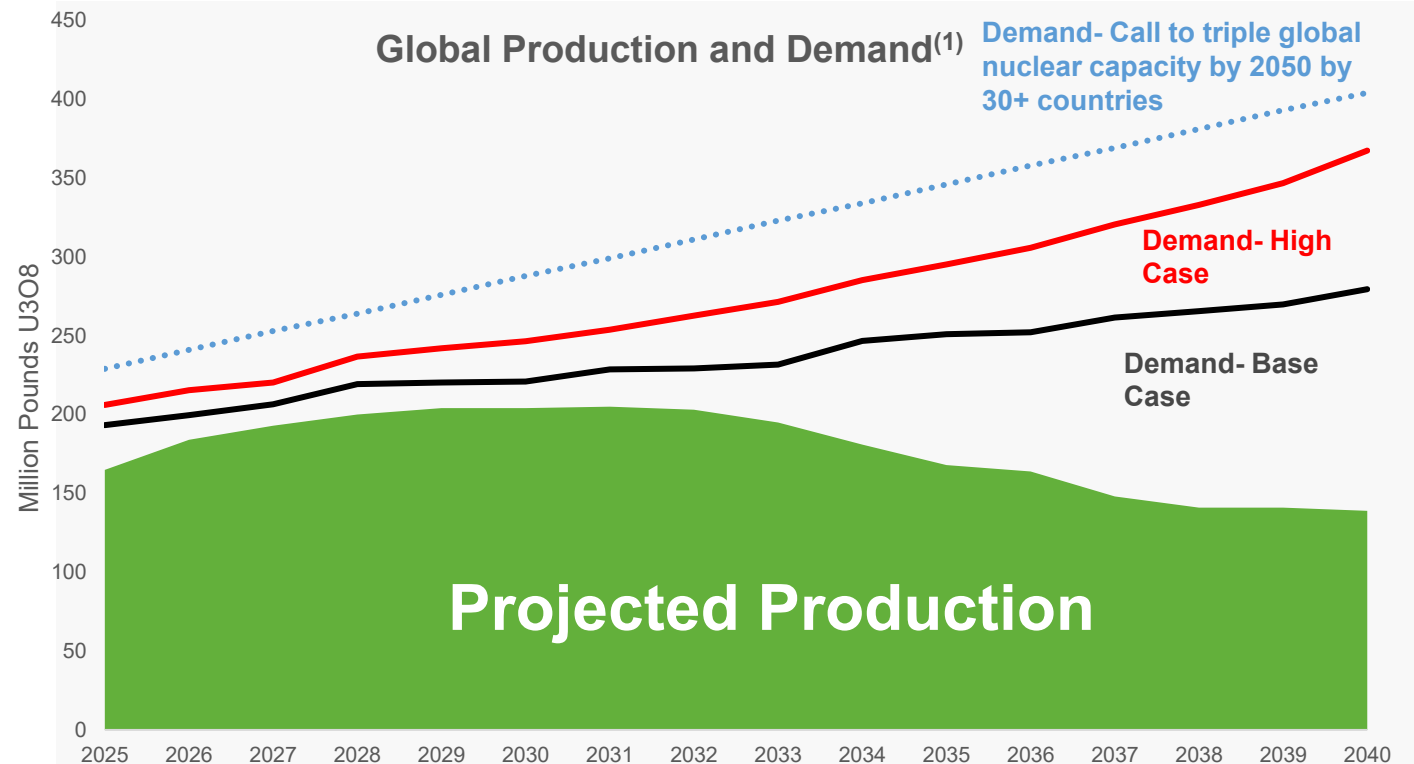
2025-2026 is ~ 51 M lbs.

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⁾




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

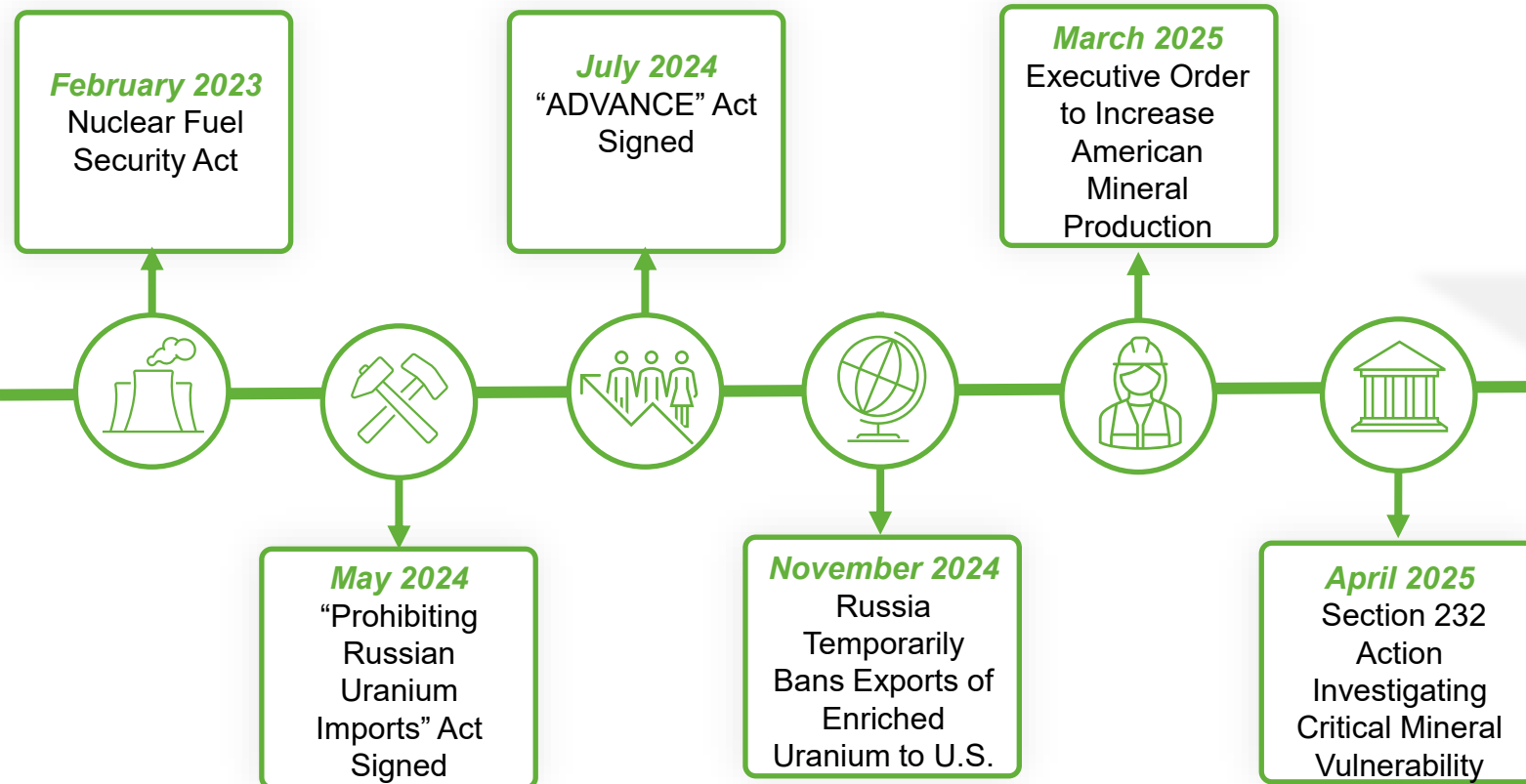
Meta

Signs 20-year deal with Constellation to power data centers

nvidia

Invests in Terrapower to support the first Natrium Plant

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



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



TerraPower

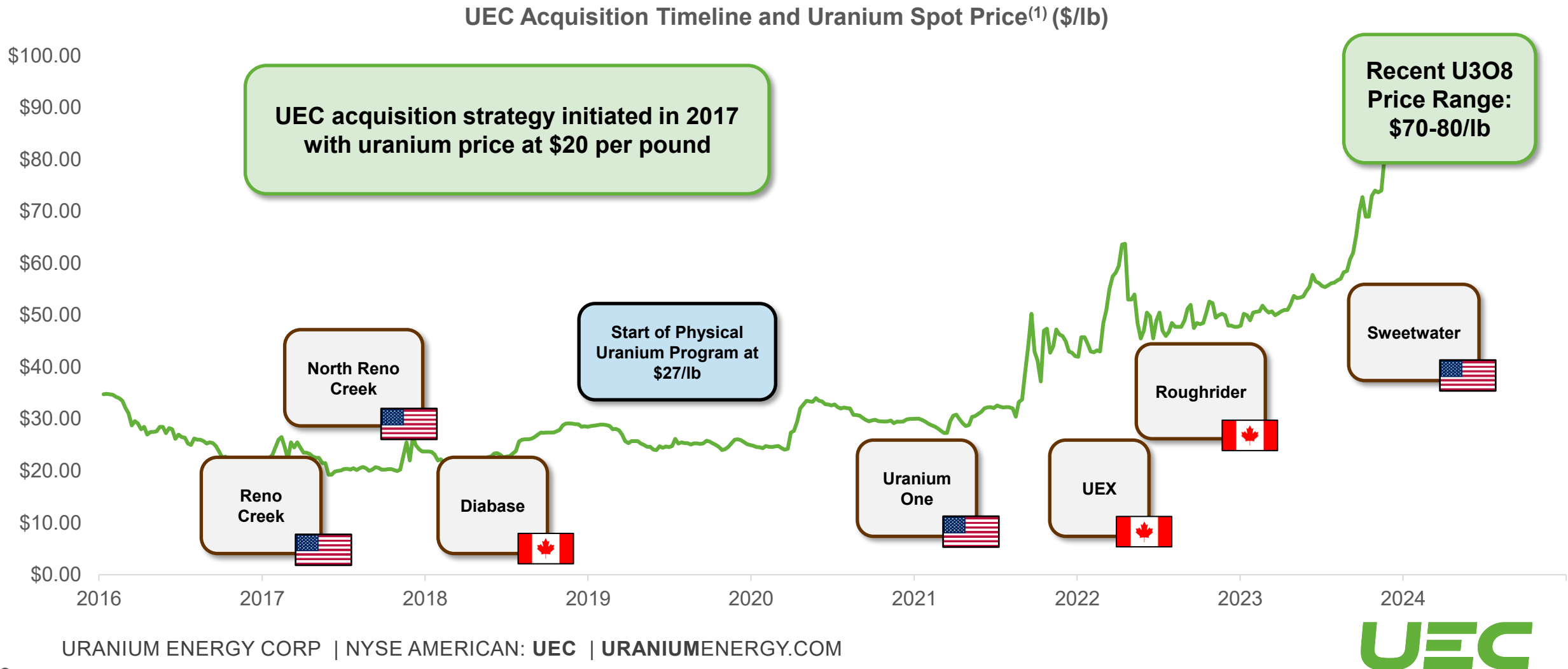


U.S. DEPARTMENT OF
ENERGY



RADIANT

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



Largest, Diversified Resource Base in the Western Hemisphere

Total Resources of 230.1 M lbs. U₃O₈ as M&I, 100.0 M lbs. U₃O₈ 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
- 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

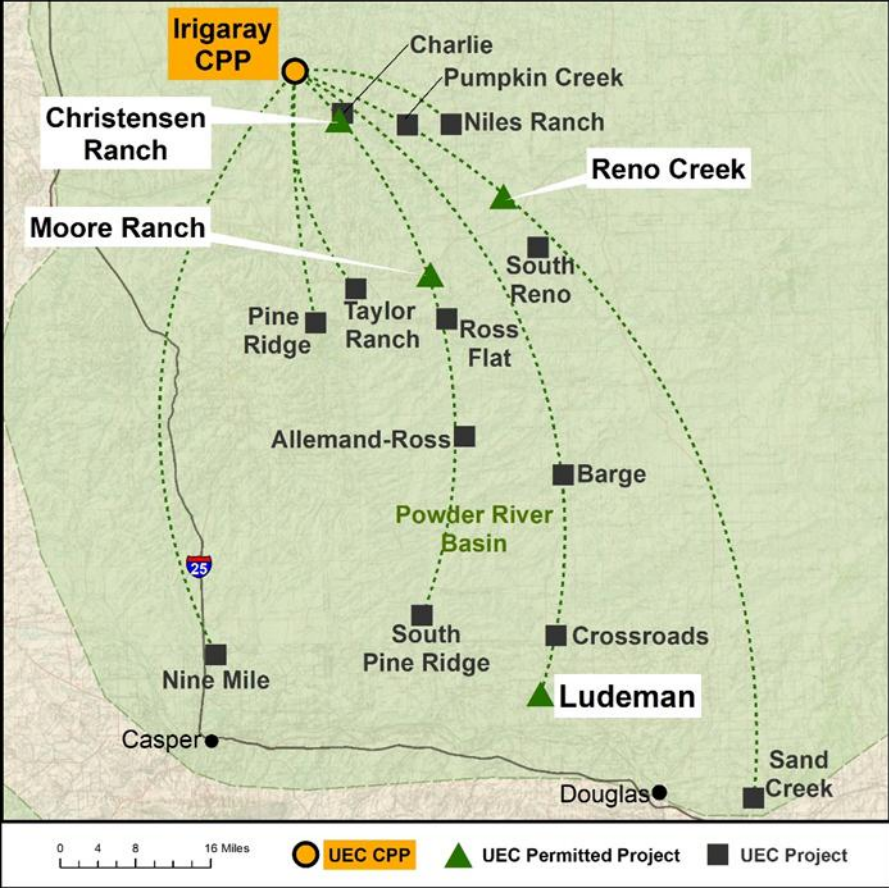
Complemented by an Extensive Exploration Portfolio

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 ₃ O ₈ resources ⁽³⁾	12.96 M lbs. M&I & 9.95 M lbs. Inferred U ₃ O ₈ resources	175 M lbs. Pounds U ₃ O ₈ Historical ⁽²⁾	\$946M Post Tax NPV ₈
<ul style="list-style-type: none">4 M lbs./yr Licensed Production Capacity4 Fully Permitted Satellite Projects	<ul style="list-style-type: none">4 M lbs./yr Licensed Production Capacity3 Fully Permitted Satellite Projects	<ul style="list-style-type: none">4.1 M lbs./yr Licensed Production Capacity3 Permitted Projects108k Acres of Prospective Land	<ul style="list-style-type: none">40% IRR & Payback of 1.4 yearsAISC \$20.48/lb U₃O₈LOM 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 ₃ O ₈ \$730M EBITDA at \$150/lb U ₃ O 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



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 mine-units 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
Mine Unit 8 & 10

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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



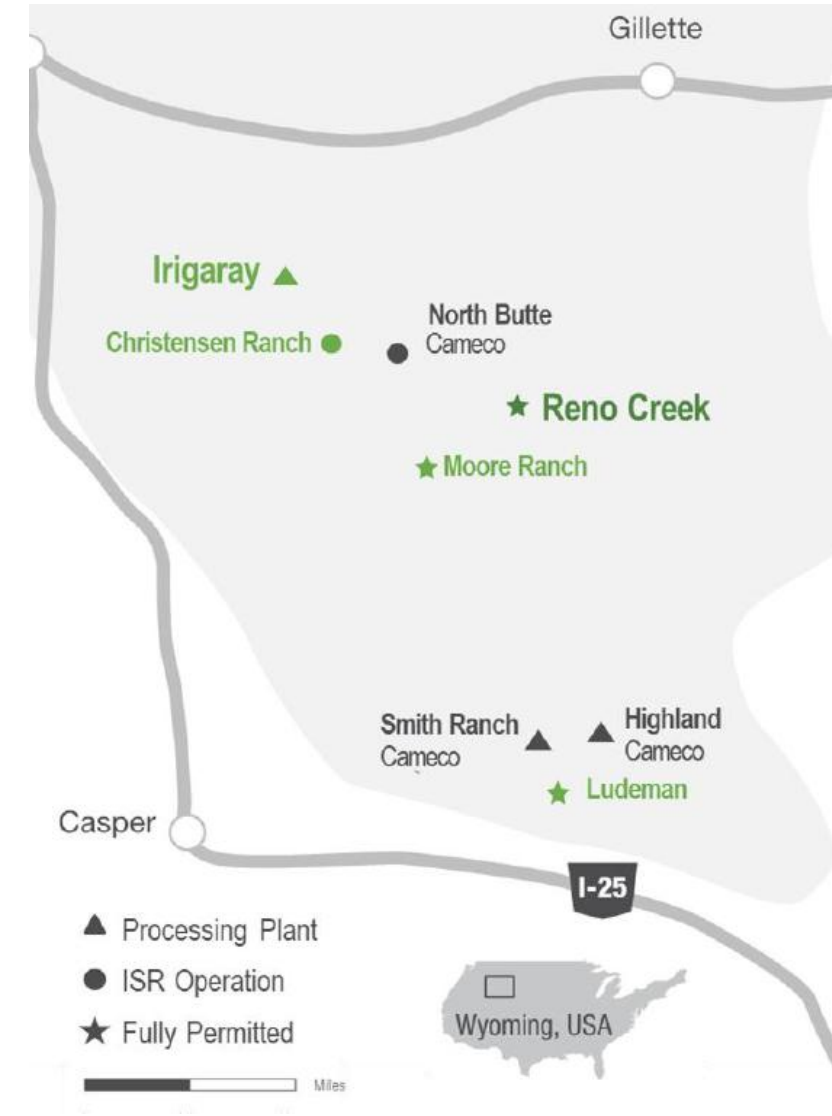
Ludeman ISR Project

- 9.7 M lbs. M&I | 1.3 M lbs. Inferred $U_3O_8^{(1)}$
- Engineering underway for plant facility; first mine unit 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

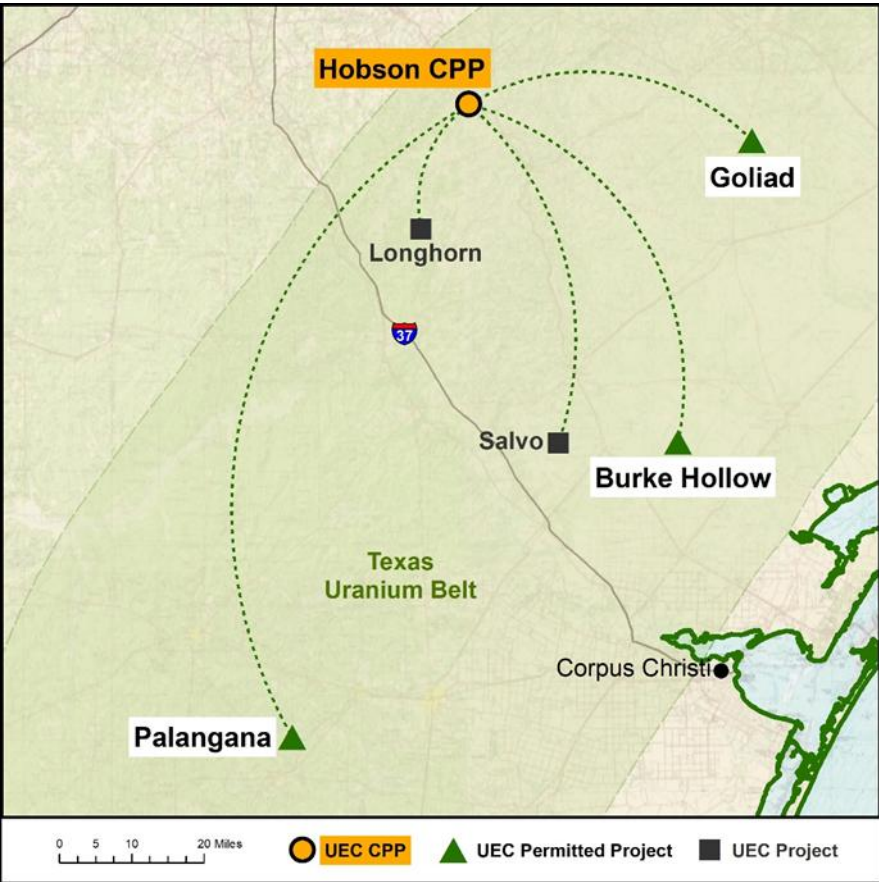


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Hobson Central Processing Plant

Production Restart Preparations Ongoing



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



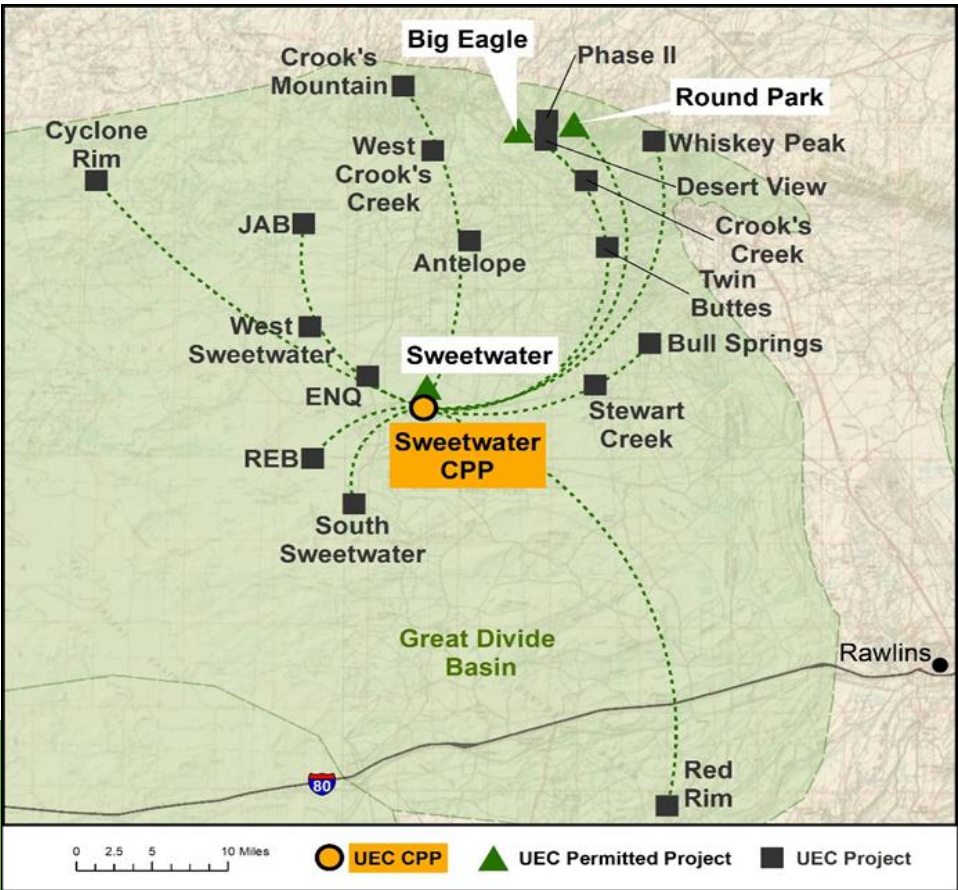
Burke Hollow IX Vessels

Sweetwater Central Processing Plant

Third Central Processing Plant Added



Sweetwater Plant, Wyoming



4.1M lbs/yr
Licensed
Production
Capacity

6
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

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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

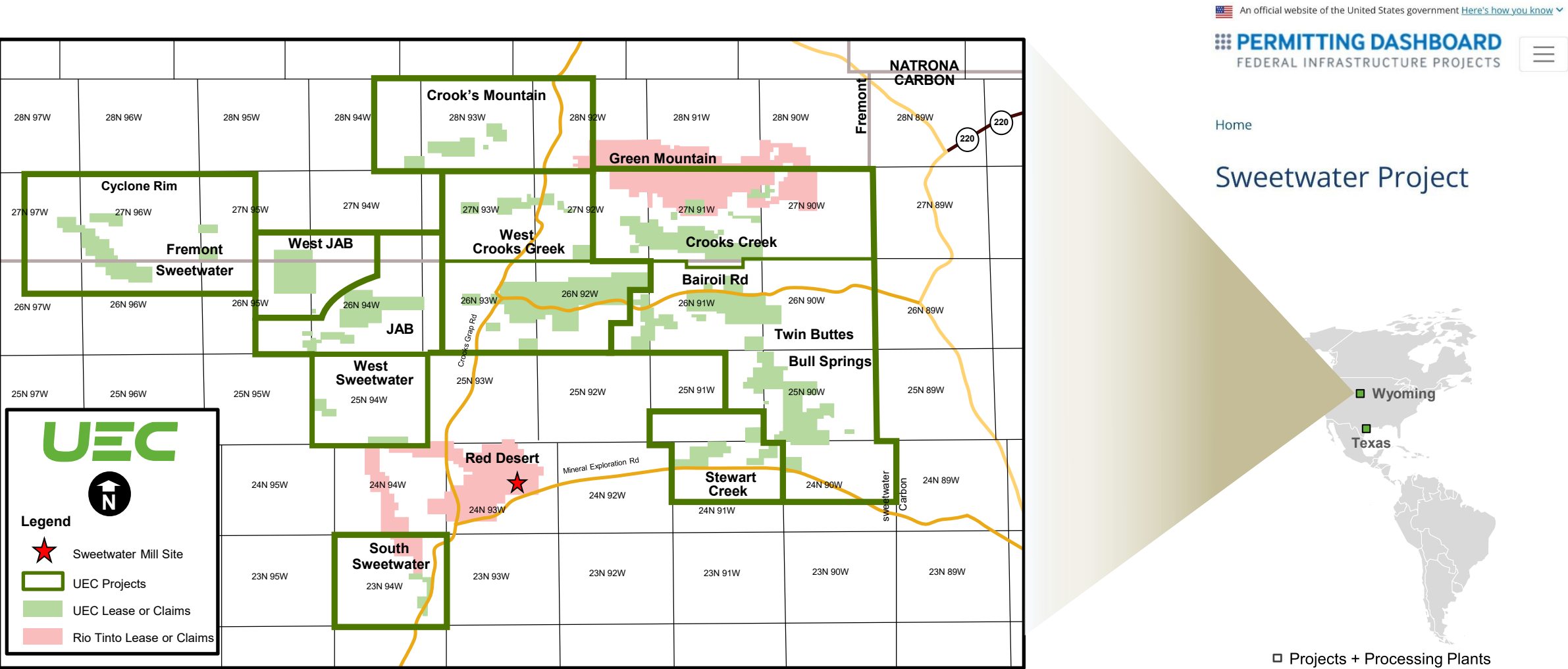


Sweetwater Plant, Wyoming

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

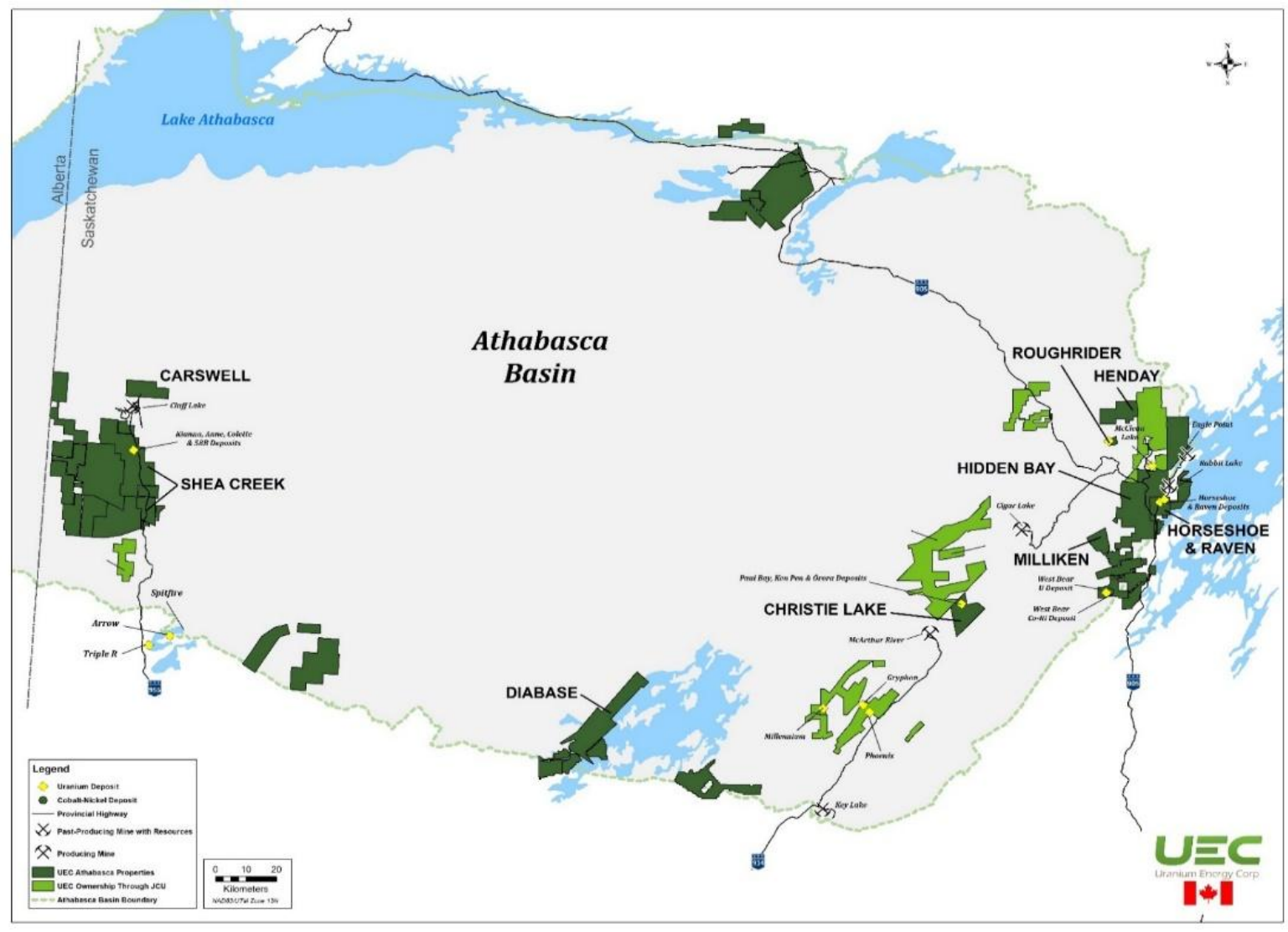
Sweetwater Project Added to FAST-41 Transparency Dashboard

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



109.9M _{lbs}	68.4M _{lbs}	1.14M
Attributable M&I U ₃ O ₈ Resources ⁽¹⁾	Attributable Inferred U ₃ O ₈ Resources ⁽¹⁾	Acres
		Land position for future growth opportunities

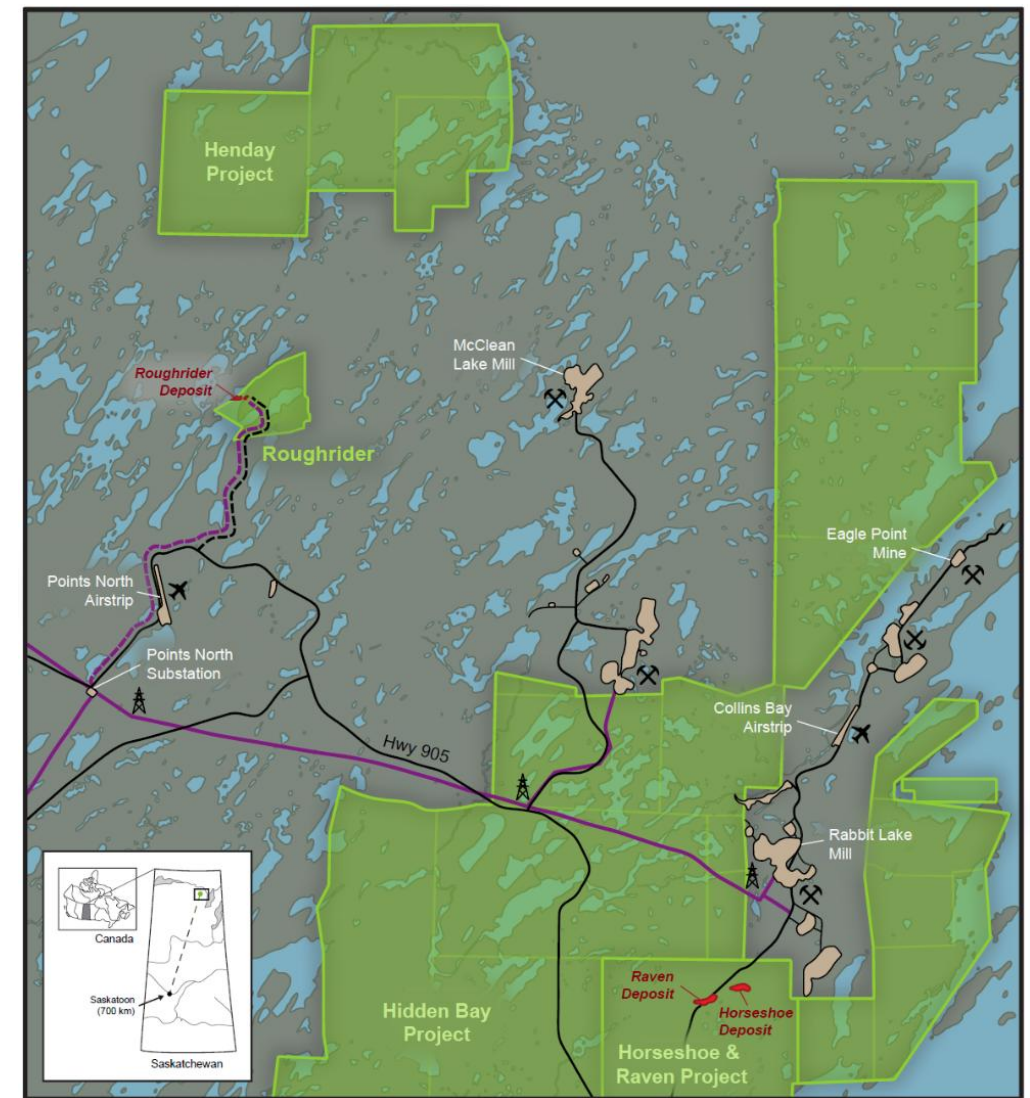
24 (1) Represents aggregate estimated mineral resources in the applicable categories across all of UEC's properties. See slide references to underlying technical report summaries.

World Class Roughrider Project

Pre-Feasibility Commenced

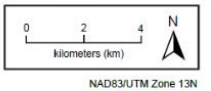
Pre-Feasibility Commenced & Metallurgical Test Work Significantly Advanced

- ✓ 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 NPV₈, IRR of 40%, payback of 1.4 years⁽¹⁾⁽²⁾
 - LOM avg. production 6.8 M lbs. U₃O₈ / yr
 - Low initial CapEx of \$545 Million, includes Mill and UG mining, AISC \$20.48/lb U₃O₈
- ✓ Located in infrastructure rich Eastern Athabasca reduces initial capex and future operating costs – 7 km north of a commercial airport and camp facilities



Legend:

- | | | |
|--|---|---------------------------|
| UEC Properties | Road | Operating/C&M/Development |
| Existing Infrastructure | Access Road | Formerly Operational |
| Roughrider, Horseshoe & Raven Deposits | Hydroelectric High Voltage (HV) Transmission Line | Public Airstrip |
| | HV Transmission Option | |



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(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

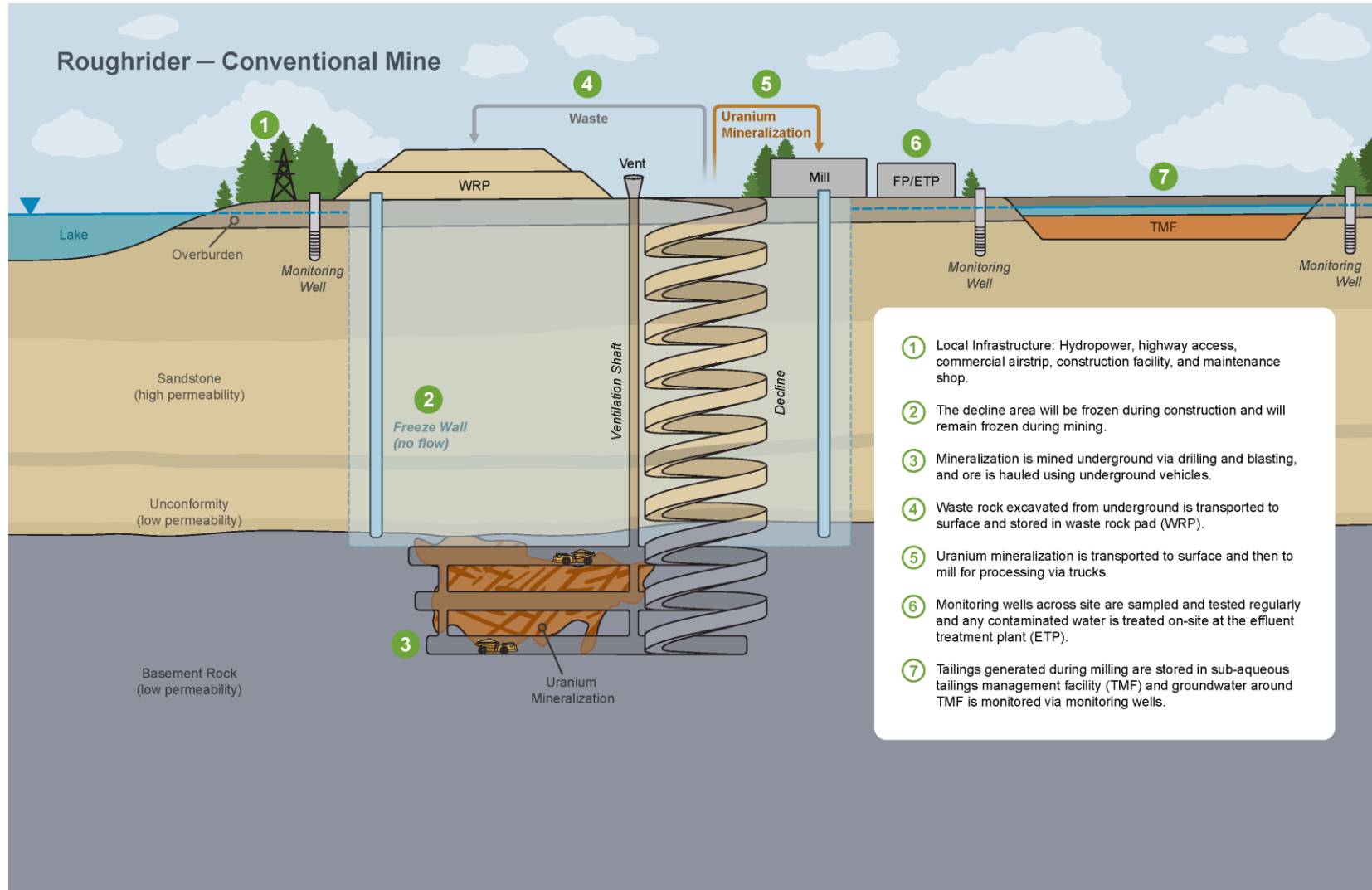
World-Class Mine Plan with Leverage to Uranium Price

Initial Assessment Report Physical Highlights ⁽¹⁾⁽²⁾		
Avg. LOM Annual Production	M lbs U ₃ O ₈	6.8
LOM Production	M lbs U ₃ O 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 ₃ O ₈	2.36
Process Recovery	%	97.5

Roughrider Project Financial Estimates based on Uranium Price ⁽¹⁾⁽²⁾			
Uranium Price (US\$ / lb U ₃ O ₈)	After-Tax NPV ₈	After-Tax IRR	Average Annual LOM EBITDA (US\$)
\$ 150 / lb U ₃ O ₈	US\$ 2.1 Billion	64%	\$ 730 Million
\$ 100 / lb U ₃ O ₈	US\$ 1.2 Billion	46%	\$ 473 Million
\$ 90 / lb U ₃ O ₈	US\$ 1.0 Billion	42%	\$ 421 Million
\$ 85 / lb U₃O₈	US\$ 0.9 Billion	40%	\$ 395 Million
\$ 50 / lb U ₃ O ₈	US\$ 0.3 Billion	21%	\$ 215 Million

Roughrider

High-quality Asset with Robust Mine Design



Athabasca Growth Portfolio

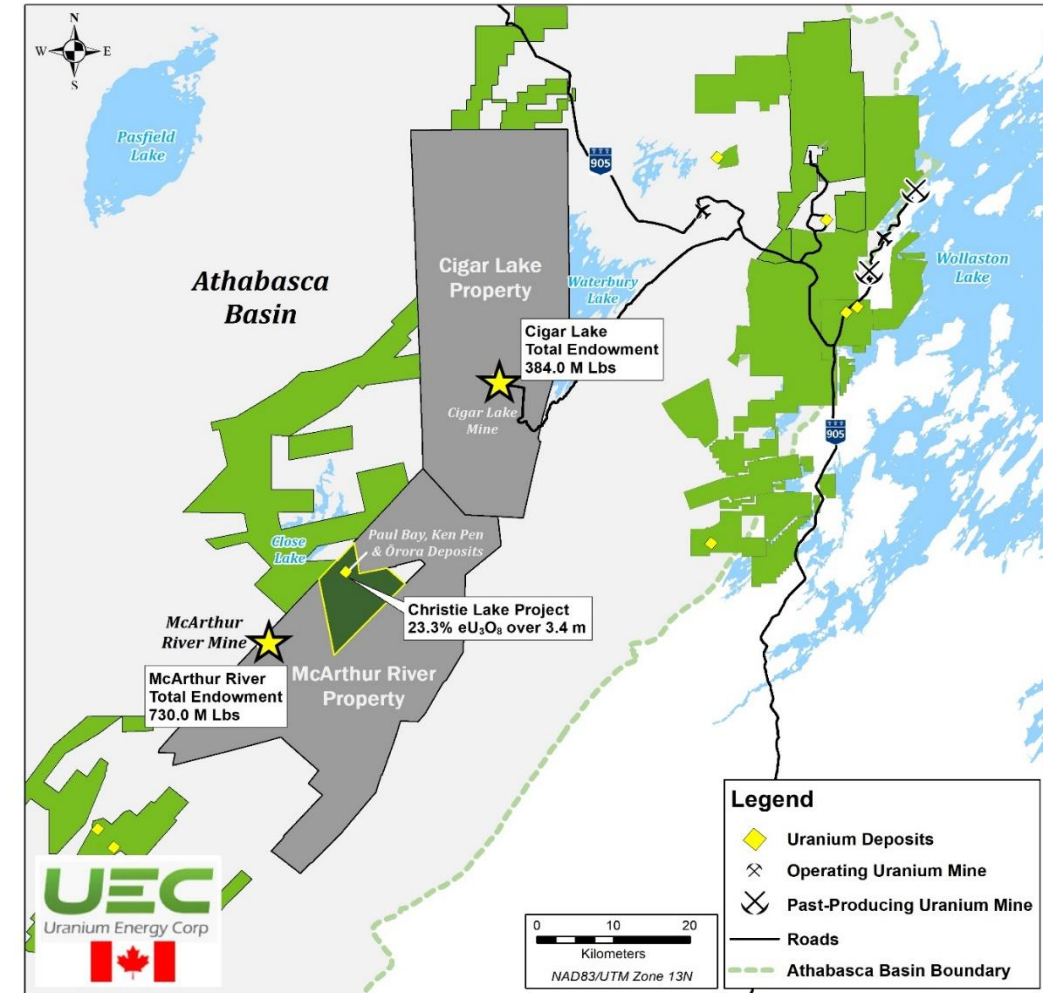
Strong Project Pipeline & Strategically Placed Assets

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



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⁾

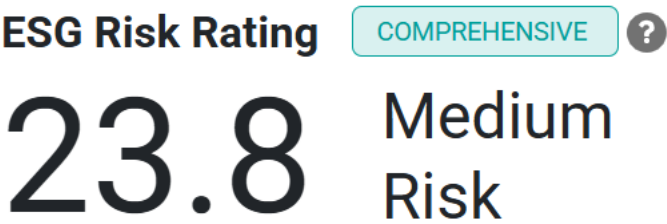
Kiggavik

- 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 U_3O_8 and from %U to % U_3O_8 . 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⁾



UEC At a Glance

Cash, Inventory ⁽¹⁾ and Equities ⁽²⁾	\$321 million, no debt
Average Daily Traded Value - 3 months ⁽³⁾	\$106 M
Shares Outstanding	454.0 M
Warrants	0.2 M
Options + Stock Awards	8.0 M
Fully Diluted	462.2 M
Recent Activity	\$12.98 As of October 1, 2025
Market Cap	\$5.89 B As of October 1, 2025

Member of the **Russell 2000® Index**

Top Shareholders

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

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
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

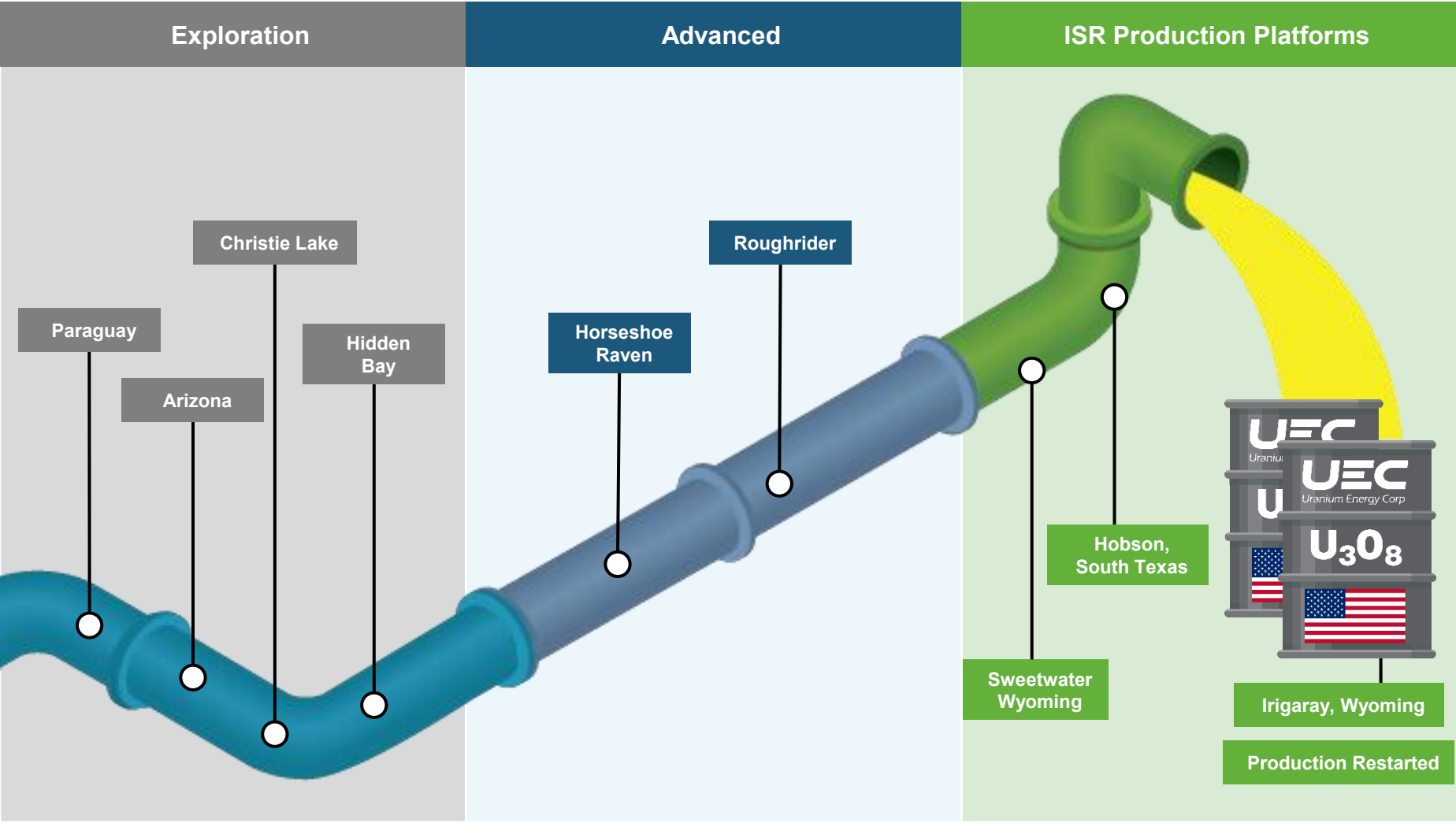
330.1 Million lbs. (230.1 M&I / 100.0 Inf.) Plus 175 Historical^(1,2)

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%)



33 (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 NPV₈
- Largest resource portfolio in the U.S. and one of the largest in North America: Total resources of 330.1 M lbs. U₃O₈ (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 U₃O₈, 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.



UEC

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 ₃ O ₈)	lbs. U ₃ O ₈ ('000)	Tons ('000)	Grade (% U ₃ O ₈)	lbs. U ₃ O ₈ ('000)	lbs. U ₃ O ₈ ('000)	Tons ('000)	Grade (% U ₃ O ₈)	lbs. U ₃ O ₈ ('000)	Tons ('000)	Grade (% U ₃ O ₈)	lbs. U ₃ O ₈ ('000)	Tons ('000)	Grade (% U ₃ O ₈)	lbs. U ₃ O 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 ₃ O ₈)	M lbs. U ₃ O ₈	Tonnes (000's)	Grade (% U ₃ O ₈)	M lbs. U ₃ O 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

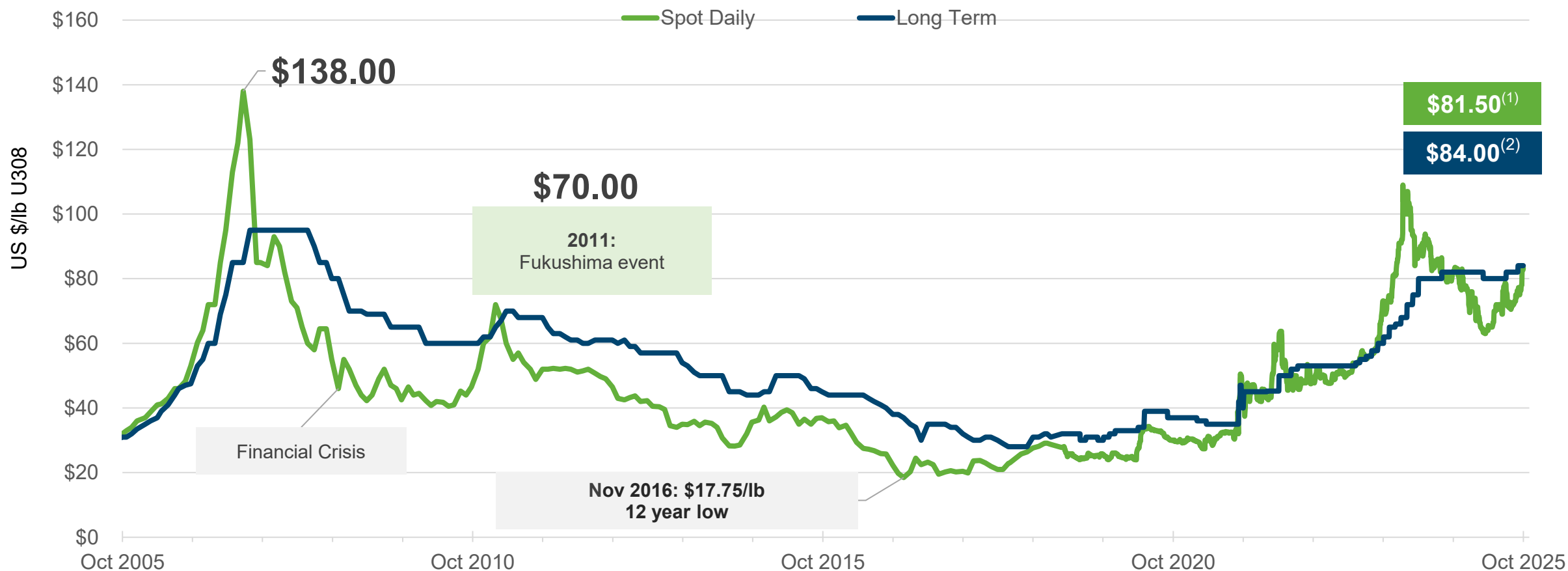
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(1)

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



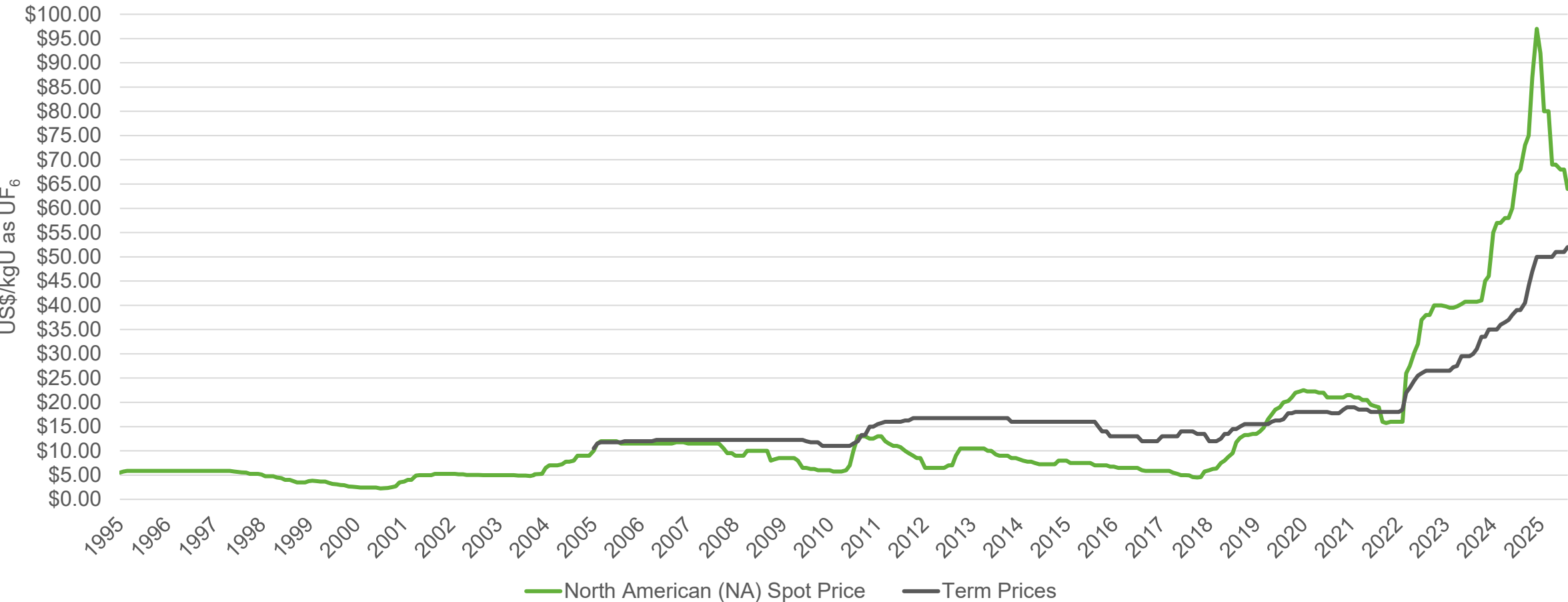
URANIUM ENERGY CORP | NYSE AMERICAN: **UEC** | URANIUMENERGY.COM



Sources: (1) TradeTech October 1, 2025 (2) TradeTech September 30, 2025

Historical Ux Conversion Prices 1995-2025

Ux Conversion Prices, 1995-2025⁽¹⁾



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 Sodium 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. U3O8 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

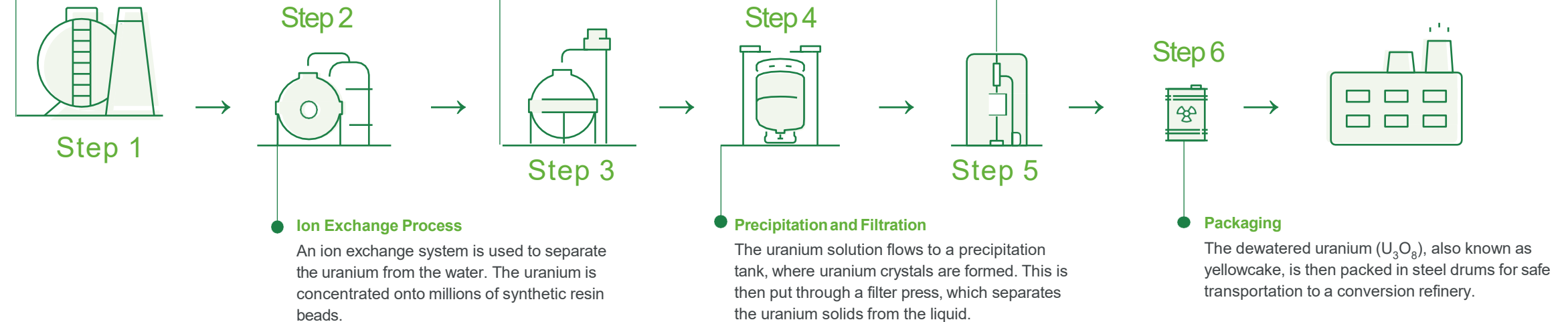
The Environmentally Friendly In-Situ Recovery Method

[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.

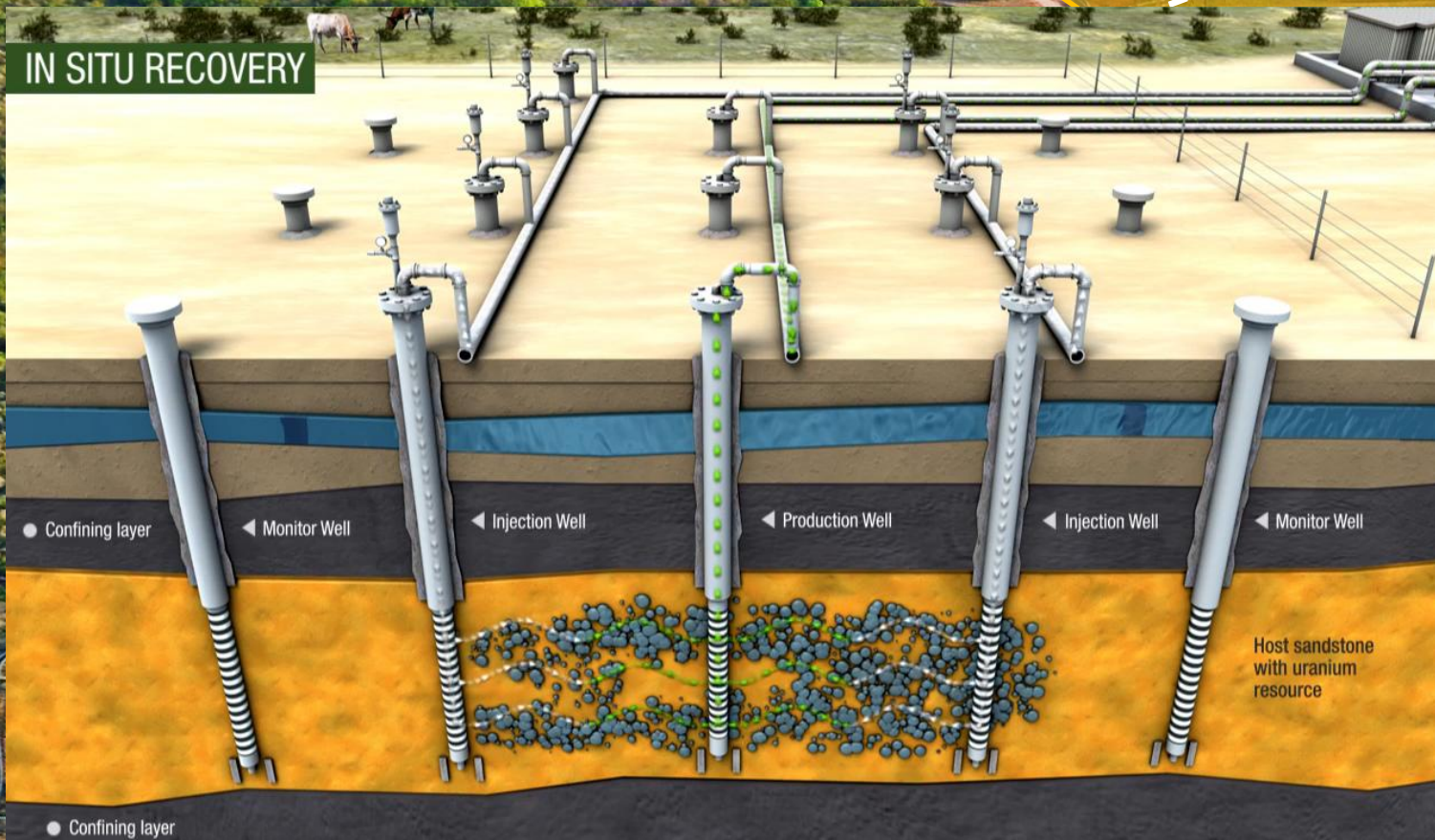
● In-Situ Recovery Process

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.



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

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.



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.

FIND OUT MORE
ABOUT OUR ISR
PROCESS

Other Sources
of Electric Power





URANIUM ENERGY CORP

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

Corporate Office

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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.