

AMERICA'S LARGEST & FASTEST GROWING URANIUM COMPANY

Fiscal 2025 Year-End Results

September 24, 2025

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



Disclaimer

Except for the statements of historical fact contained in this presentation, the information presented in this presentation constitutes "forward-looking statements" as such term is used in applicable United States and Canadian securities laws. They include, among others, statements regarding the expectations of Uranium Energy Corp (the "Company") regarding uranium markets and pricing, its projects, including future work programs and planned studies, the impacts of recent Presidential Executive Orders, and statements regarding the activities of UR&C and its proposed development of future conversion facilities. Such forward looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements expressed or implied by such forward-looking statements. Such risks and other factors include, among others, the actual results of exploration activities, variations in the underlying assumptions associated with the estimation or realization of mineral resources, future mineral resource estimates may vary from historic estimates, the availability of capital to fund programs and the resulting dilution caused by the raising of capital through the sale of shares, accidents, labor disputes and other risks of the mining industry including, without limitation, those associated with the environment, delays in obtaining governmental approvals, permits or financing or in the completion of development or construction activities, title disputes or claims limitations, any deterioration in political support for nuclear energy or uranium mining; 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 C

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.

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.

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 information.

2025 Highlights

Breakthrough Year Transitioning to Uranium Production in Wyoming

Low-Cost Production Achieved

- Produced approx. 130,000 pounds of precipitated uranium and dried and drummed U₃O₈
- Total Cost per Pound⁽¹⁾ of \$36.41, including Cash Cost per Pound⁽¹⁾ of \$27.63 and Non-Cash Cost per Pound⁽¹⁾ of \$8.78 based on 26,421 pounds of dried and drummed U₃O₈ at the end of fiscal 2025

U.S. ISR Production Ramp Up

- Christensen Ranch expansion with two new ISR mine-units constructed and commissioned
- Burke Hollow 90% Complete America's next ISR mine, targeting November
 2025 completion

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

Robust Balance Sheet & 100% Unhedged

- \$321 Million in Cash, inventory, and equities at market price(2)
- No Debt

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 consider substitute for analysis of our results as reported under GAAP. See "Non-GAAP Measures" on slide 20.

2025 Financial 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, as reported in the first half of 2025, from the sales of 810,000 pounds of U₃O₈ from inventory at an average price of \$82.52 per pound
- 100% unhedged approach enabled opportunistic first-half sales and deliberate second-half inventory accumulation – Flexibility and exposure to rising prices

1.4 M

Pounds of U₃O₈ in inventory (1)

- Valued at \$96.6 million at market prices⁽²⁾, 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

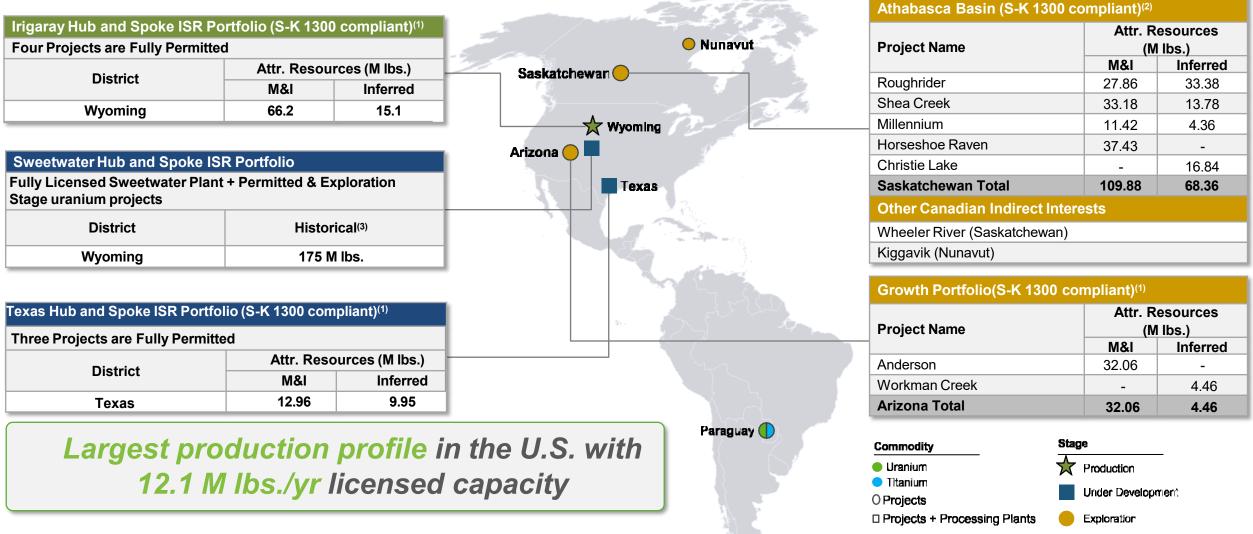


⁽¹⁾ Does not include inventory in-process or finished inventory at the Irigaray Central Processing Plant.

⁽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.

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⁾





Four Production Growth Pillars Complemented by an Extensive Exploration Portfolio

Irigaray Central Processing Plant



66.2 M lbs. M&I & 15.1 M lbs. Inferred U₃O₈ resources

- 4 M lbs./yr Licensed **Production Capacity**
- 4 Fully Permitted Satellite **Projects**



Hobson Central Processing Plant



12.96 M lbs. M&I & 9.95 M lbs. Inferred U₃O₈ resources

- 4 M lbs./yr Licensed **Production Capacity**
- 3 Fully Permitted Satellite **Projects**



Acquisition Creates Largest Production Profile in the U.S.

Sweetwater Central Processing Plant



175 M lbs. Pounds U₃O₈ Historical⁽²⁾

- 4.1 M lbs./yr Licensed **Production Capacity**
- 3 Permitted Projects
- 108k Acres of Prospective Land

Roughrider Conventional Asset



\$946M Post Tax NPV 8

- 40% IRR & Payback of 1.4 years
- AISC \$20.48/lb U₃O₈
- LOM annual production 6.8M lbs(1)



\$395M EBITDA at \$85/lb U₃O₈ \$730M EBITDA at \$150/lb U₃O₈





Targeting Nov '25 Burke **Hollow Completion**



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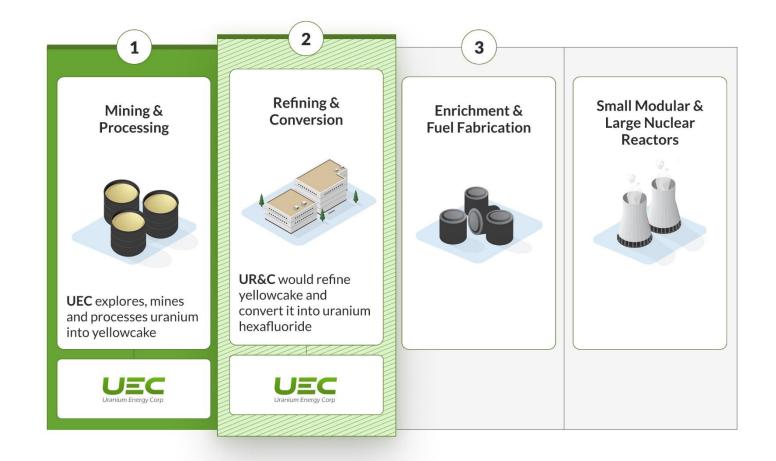


Launch of United States Uranium Refining & Conversion Corp Positioning UEC as the only vertically integrated U.S. company from U₃O₈ to UF₆

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 Flour**, leveraging a year of engineering and design work already completed





Production Milestone at Irigaray CPP

Expanding Christensen Ranch for Continued Production Growth

Produced approx. 130,000 pounds of precipitated uranium and dried and drummed concentrate

- 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 U₃O₈ 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







North and South Elution Circuits



Christensen Satellite Plant Interior



Mine Unit 8 & 10



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











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 U₃O₈ 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



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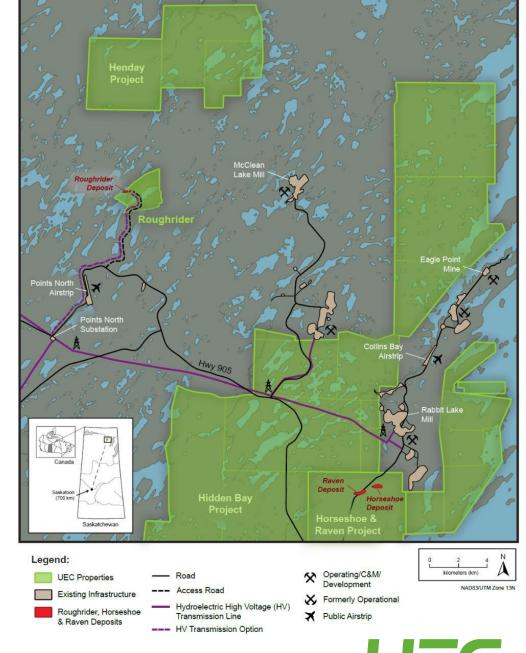
World Class Roughrider Project Pre-Feasibility Commenced

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

information regarding the assumptions, methodology and other matters underlying the initial economic study.

- 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 the commercial airport and camp facilities



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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

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



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

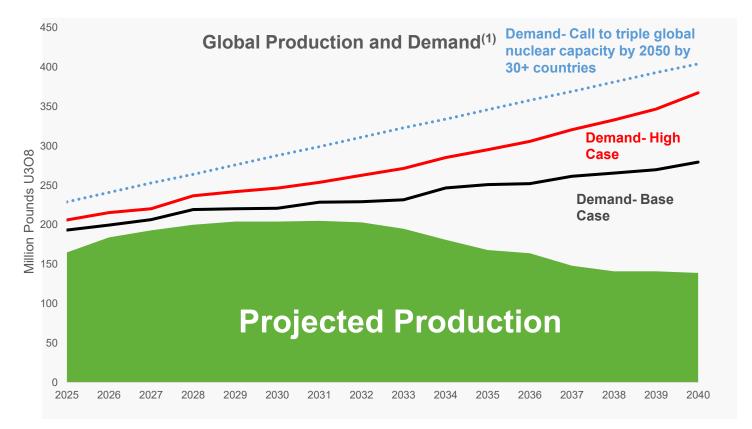
2025-2026 is ~ 51 M lbs.

2025-2035 is ~ 355 M lbs.

2025-2040 is > 890 M lbs.

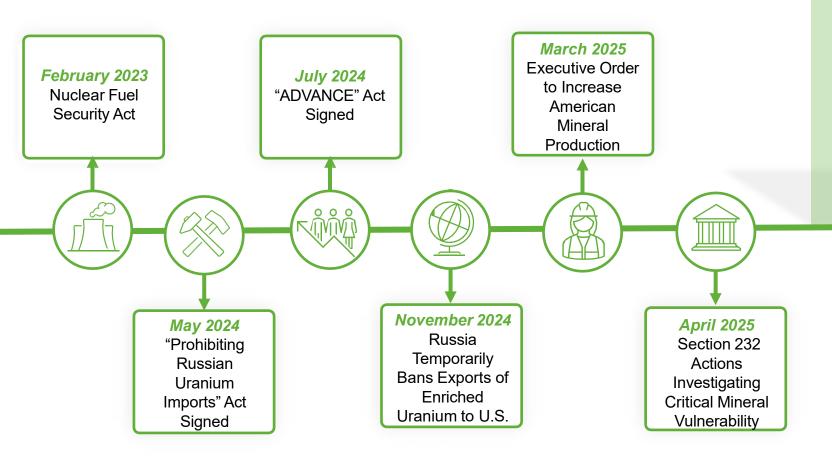
2025-2045 is > 1.75 B lbs.

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





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





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

UEC

America's Largest

Uranium Company

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

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



Enters into PPA with Talen and invests in SMR Advancement



Invests \$1.6B to revive Three Mile Island



Signs 20-year deal with Constellation to power data centers



Invests in Terrapower to support the first Natrium Plant



Breakthrough Year Positioned as America's Only Vertically Integrated Uranium Company

- Achieved Initial Low-Cost Production
- Production ramp up continues in Texas and Wyoming with further growth potential at Sweetwater and Roughrider
- Launch of UR&C with the goal of becoming the only vertically integrated U.S. uranium company
- Robust Financial Position with \$321 million¹ in cash, inventory, and equities, including 1,356,000 pounds² of U₃O₈, and no debt at July 31 2025
- Fully Unhedged position provides maximum upside and flexibility
- Sector tailwinds from U.S. nuclear policy momentum and transformative AI and energy demand shifts
- 1. 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.
- 2. Does not include inventory in-process or finished inventory at the Irigaray Central Processing Plant.





URANIUM ENERGY CORP

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

Corporate Office

500 North Shoreline

Ste. 800N

Corpus Christi, TX 78401

Tel: (361) 888-8235

Fax: (361) 888-5041

President and CEO:
Amir Adnani

Executive Vice President Scott Melbye

Investor Relations:
Bruce J. Nicholson, CFA

UEC: NYSE American

Appendix



UEC U.S. and Paraguay Resource Summary⁽¹⁾



PROJECTS	Measured Resources			Indicated Resources			M+I		Inferred			Exploration Target			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	ĺ			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	İ													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				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 Dis	strict															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	

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Canadian Attributable Resource Summary

S-K 1300 Resources (1)											
Project	Indi	icated Resourc	es	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	-	-	1					
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					

or West Bear project resources.

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.

