FRONTIER NUCLEAR
& MINERALS

A Nuclear Fuel Cycle Company

NASDAQ: FNUC

August 2026

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INTRODUCTION

NUCLEAR FUEL CYCLE

INTRODUCTION – CORPORATE STRATEGY

Frontier Nuclear is developing a U.S. focused front-end nuclear fuel cycle company with assets and investments in the mining, enrichment and reactor sectors of the fuel cycle

Uranium Mining and Milling

- Build a 100Mlbs U_3O_8 resource base
- Build two new U.S. uranium mines
- Tallahassee - 52.2 Mlbs U_3O_8 resource
- Pine Ridge - 25 to 50 Mlbs U_3O_8 target

Uranium Enrichment

- Ubaryon Pty Ltd. (private Australian company)
- Next generation enrichment technology
- Frontier is the largest shareholder
- Urenco is the second largest shareholder

Small Modular Reactors

- Kadmos Energy Services LLC
- Frontier is the largest shareholder
- Designing & Deploying GEN3+ SMRs
- Based on existing technology & supply chains

Other Opportunities

- Evaluating opportunities in other sectors of the nuclear fuel cycle
- Opportunities must:
  - be commercially viable and value-accretive to Frontier
  - have a path to development within 5 years

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INVESTMENT THESIS - *"THE WORLD NEEDS MORE NUCLEAR POWER"*

Nuclear Renaissance

- Global call to triple nuclear power by 2050
- Nuclear facilitates national energy security
- Nuclear is clean, reliable, baseload power

Demand for Electricity

- Global demand for electricity expanding
- Driven by global economic growth
- Additional demand from data centers and AI

Structural Uranium Supply Deficit

- Uranium supply trails reactor requirements
- Utilities face large "uncovered requirements"
- Underinvestment in uranium mining

Supply Chain & Bottlenecks

- Bottlenecks ripple through supply chain
- Conversion is a critical bottleneck
- Enrichment dependent on 4 suppliers

Geopolitical Security

- Geopolitical instability and trade bans
- Secure supply chains not dependent on Russia
- Global oil shocks driving pivot to nuclear power

Uranium Market Dynamics

- Uranium prices peaked at $100/lb in 2026
- Long term contract price highest since 2008
- Funds removing physical supply from spot market

MILESTONES – 2026 to 2028

	2026- H1	2026- H2	2027	2028
Pine Ridge	**Exploration Drilling** • Drill Permitting • Drill Program Planning	**Exploration Drilling** • Drill Program • 125,000 ft Drill Program • Objective: Build a data base sufficient to prepare a maiden resource estimate by early 2027	**Maiden Mineral Resource Estimate** • Maiden mineral resource estimate • Drilling to build resource • Pre-feasibility Study • Environmental baseline	**Mine Permitting** • Drill to build resource • Continue mine permitting
Tallahassee	**Technical Studies** • Advance borehole mining technical studies	**Technical Studies** • Expand ablation testing: • Utilize existing core	**Additional Studies** • Work with partners to obtain NRC permission for borehole mining • Commence permitting	**Mine Permitting** • Continue mine permitting

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MINING & MILLING

URANIUM MINING AND MILLING

Three Exploration and Development Stage Uranium Projects in Wyoming and Colorado

Pine Ridge | Wyoming

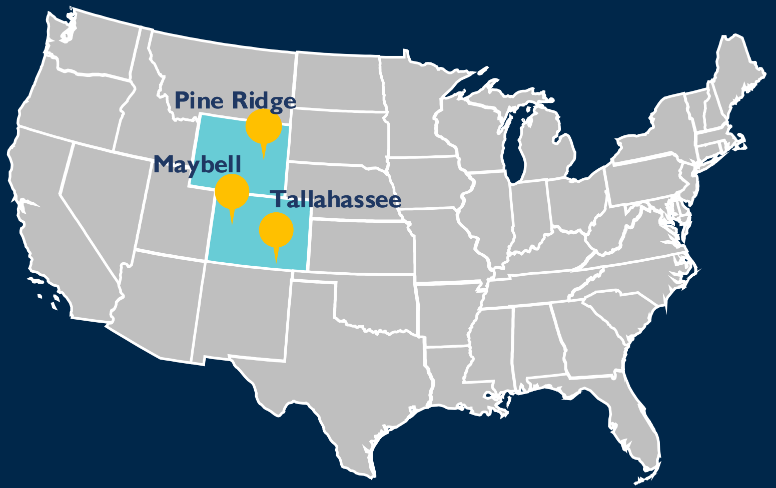
- Potential Tier-1 ISR Project of significant scale in the Powder River Basin
- Expansive land holding, surrounded by global-scale uranium projects held by Cameco and UEC
- Potential for between 25 - 50 Mlbs U_3O_8 uranium resource with near-term production ability

Tallahassee | Colorado

- One of the largest undeveloped uranium projects in the U.S.
- 52.2 Mlbs U_3O_8 uranium resource and positive scoping study
- Potential to accelerate production by 1-2 years by running multiple development paths in parallel

Maybell | Colorado

- Initial 6 Mlbs U_3O_8 uranium resource
- Located in a historical uranium district, with past high-grade production
- Significant potential for further delineation and discovery of near-surface uranium resources



Target – A Potential Resource Base of 100 Mlbs U_3O_8

Potential for Production at Tallahassee by 2030

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PINE RIDGE URANIUM PROJECT (Wyoming)

District Scale ISR Uranium Project in Wyoming

- Frontier Nuclear owns 100% of Pine Ridge
- Located in the Powder River Basin, Wyoming, the leading uranium producing region in the U.S.
- A potential Tier – 1 ISR uranium project of significant scale with potential for between a 25 to 50 Mlbs U_3O_8 resource
- Surrounded by global-scale uranium projects held by Cameco and UEC, including Cameco's Smith Ranch Uranium Mill (within ~15km)
- Expansive land position of ~37,000 acres sandwiched between UEC to the north and Cameco to the south
- An initial 125,000 ft drill program was completed in 2025
- A follow-up 125,000 ft drill program launched in July 2026
- Target a maiden mineral resource estimate in early 2027

Potential for a 25 to 50 Mlbs U_3O_8 Resource

TALLAHASSEE URANIUM PROJECT (Colorado)

District Scale Uranium Project in Colorado

- Frontier Nuclear owns 51% of the Hansen deposit at Tallahassee
- Tallahassee is comprised of five major deposits: Hansen, Taylor, Boyer, Noah, and Picnic Tree
- Hansen is:
  - The largest and highest-grade deposit within the Tallahassee Creek Uranium District of Central Colorado
  - One of the largest undeveloped uranium resources in the U.S.
  - Has a substantial 52.2 Mlbs U_3O_8 JORC mineral resource estimate
- Positive Scoping Study on the Hansen Deposit released in May 2025
  - Technically de-risked the project
  - 7-year LOM - producing an average of 1.8Mlbs U_3O_8 per annum
  - Total capital investment of A$108.2M over the life of mine

52.2 Mlbs U_3O_8 Resource

Positive Scoping Study

(Hansen Deposit)

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MAYBELL URANIUM PROJECT (Colorado)

Historic Mining District in Colorado

- Frontier Nuclear owns 100% of Maybell
- Located in a historical uranium district, with past high-grade production
- Maiden JORC Resource of 6.0 Mlbs U_3O_8
- Significant potential for further delineation and discovery of near-surface uranium resources
- Agreement with DISA Technologies to rehabilitate historic uranium waste dumps
- Frontier to receive a net revenue royalty based on a sliding scale royalty rate of between 2.5% to 4% based on uranium price derived from the sale of uranium and other critical minerals

Historic Uranium Mine

6 Mlbs U_3O_8 Resource

ENGO VALLEY URANIUM PROJECT (Namibia)

District Scale Uranium Project in Namibia

Maiden Mineral Resource Estimate

Target Completion Date - Q3 2026

Project Description

- Frontier Nuclear owns 85% of Engo Valley
- Located on the Skeleton Coast, Northwest Namibia
- Expansive land position of 68,283 hectares
- Exclusive Prospecting License (EPL)[1]
- Previous exploration conducted by Gencor in the 1970's

Namibia – Long, Consistent History of Uranium Mining

- 3rd largest global producer of uranium oxide
- 12% market share trails only Kazakhstan (44%) and Canada (15%)
- 120 - year mining history – uranium, zinc, graphite and gold

Exploration and Development Program (2024 - 2026)

- RadonX™ cup survey over entire 139 square kilometer EPL
- Two phases of RC and diamond drilling completed in 2025
- Maiden mineral resource estimate scheduled for Q3 2026
- Additional drilling planned to expand resource base

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1. In the process of being renewed.

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ENRICHMENT

ENRICHMENT

Investment in Next Generation Uranium Enrichment Technology

- Frontier Nuclear owns 24.9% of Ubaryon
- Ubaryon Pty Ltd is a private Australian company developing next-generation uranium enrichment technology
- Enrichment technology is based on the chemical separation of isotopes
- Eliminates the conversion / deconversion steps in the front end of the nuclear fuel cycle
- Urenco has invested A$5million Ubaryon for a 13% interest
- Urenco will assist Ubaryon in developing its technology

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SMALL MODULAR REACTORS

Small Modular Reactor Start-Up

- Frontier Nuclear owns 49% of Kadmos Energy
- Kadmos Energy is headed up by Dr. Youssef Ballout:
  - Veteran reactor designer and builder with decades of experience, including the:
    - U.S. Naval Nuclear Laboratory
    - U.S. Nuclear Navy
    - Idaho National Laboratory
- Kadmos Energy will focus on small modular light water reactors
- Design will focus on safe, reliable, turnkey nuclear power plants leveraging proven fuel technology and robust, established supply chains
- For more information on Kadmos Energy see: http://www.kadmosenergy.com/

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SPIN-OFF OF LITHIUM ASSETS

SPIN-OFF OF LITHIUM PROJECTS

A new Lithium Exploration Company

- Spin-out of the lithium projects into a new exploration focused exploration company
- Allows Frontier Nuclear to focus exclusively on its nuclear fuel cycle business
- Allows the new company to focus on the exploration and development of the lithium projects
- Spin-out establishes a separate, dedicated management team to unlock the value of the lithium assets
- Further details will be released once the structure, funding, board of directors and management details are finalized

Snow Lake (Manitoba)

Lithium

- Frontier Nuclear owns 100% of SL Lithium Project
- 8.2 M tonnes resource at 1% Li02
- Positive Preliminary Economic Assessment
- Further development on hold pending recovery in the lithium market and lithium prices

Shatford Lake (Manitoba)

Lithium, Cesium & Tantalum

- Frontier Nuclear owns 100% of Shatford Lake
- Substantial land holding of ~17,000 acres
- Borders the Tanco lithium, cesium, tantalum (LTC) mine
- Tanco holds ~85% of global cesium resources
- Tanco is owned by Sinomine of China

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CORPORATE

MANAGEMENT

Frank Wheatley (BCom, LLB)
Chief Executive Officer

- Over 35 years of mining and resource industry experience, as a senior executive and independent director with Canadian and Australian public mining companies
- Extensive domestic & international experience in developing, permitting, financing and operating gold, copper and lithium companies (Teranga Gold Corp / Talison Lithium Ltd.)
- Mergers & acquisitions and take-overs, including (C$2.5B Teranga Gold/Endeavour Mining merger)
- Bachelor of Commerce (Finance) and Bachelor of Laws from University of British Columbia

Kyle Nazareth (CPA, CA)
Chief Financial Officer

- Senior finance executive with over 10 years experience providing executive level financial services to public companies
- IFRS Compliant financial statements and MD&A
- Previously held senior finance roles for companies in diverse industries
- Bachelor of Business Administration from York University Schulich School of Business

Brian Youngs (C.Tech.)
VP Exploration

- Leading mining consultant and Field Manager with more than 20 years experience specialising in new mining operations
- 10 years as a senior airborne geophysics technician with Geotech Ltd
- Board member at Gamet Gold and lead technical advisor to Temagami Gold Inc. (Progenitor Metals)
- Member of Ontario Association of Certified Engineering Technicians and Technologists

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BOARD OF DIRECTORS

Nachum Labkowski

- A director since November 2018, Nachum Labkowski is currently the Chief Executive Officer and principal investor in Halevi Enterprises, a private equity firm which he founded in 2010 that holds equity in more than 30 private companies and invests in real estate worldwide
- Mr. Labkowski's unique approach to investing has provided significant returns from those companies he has invested in to date

Joshua Girnun

- Extensive experience in global resource finance, capital markets and geosciences
- Formerly with JP Morgan Chase as a global metals and mining expert reviewing opportunities across multiple geographies and commodity classes.
- Principal of Ridge Metals Group, a New-York based metals and mining investment firm specializing in battery metals, precious metals, and critical minerals
- Holds a Master of Science in Geosciences and a Bachelor of Science in Geology

Shlomo Kievman

- Extensive experience as a leader in the procurement of ideas and concepts which exemplify American innovation
- His work in public and private sectors in the USA and abroad has included business development, financial modeling, action planning, and conceptual design
- Principal of Crown Equities, an investment firm transforming the global resources sector, leading several global organizations

Peretz Schapiro

- Has been a global investor for more than a decade with a focus on the resources sector
- Founder and Executive Chairman of Loyal Lithium (ASX:LLI)
- **Chairman of Summit Minerals (ASX:SUM)**
- **Previously** held directorship roles at Asra Minerals Limited (ASX:ASR) and Okapi Resources (ASX:OKR)
- Holds a Masters degree in Applied Finance

Jack Wortzman

- Retired industrial and manufacturing engineer
- Holds a Bachelor of Accounting

Donal Carroll

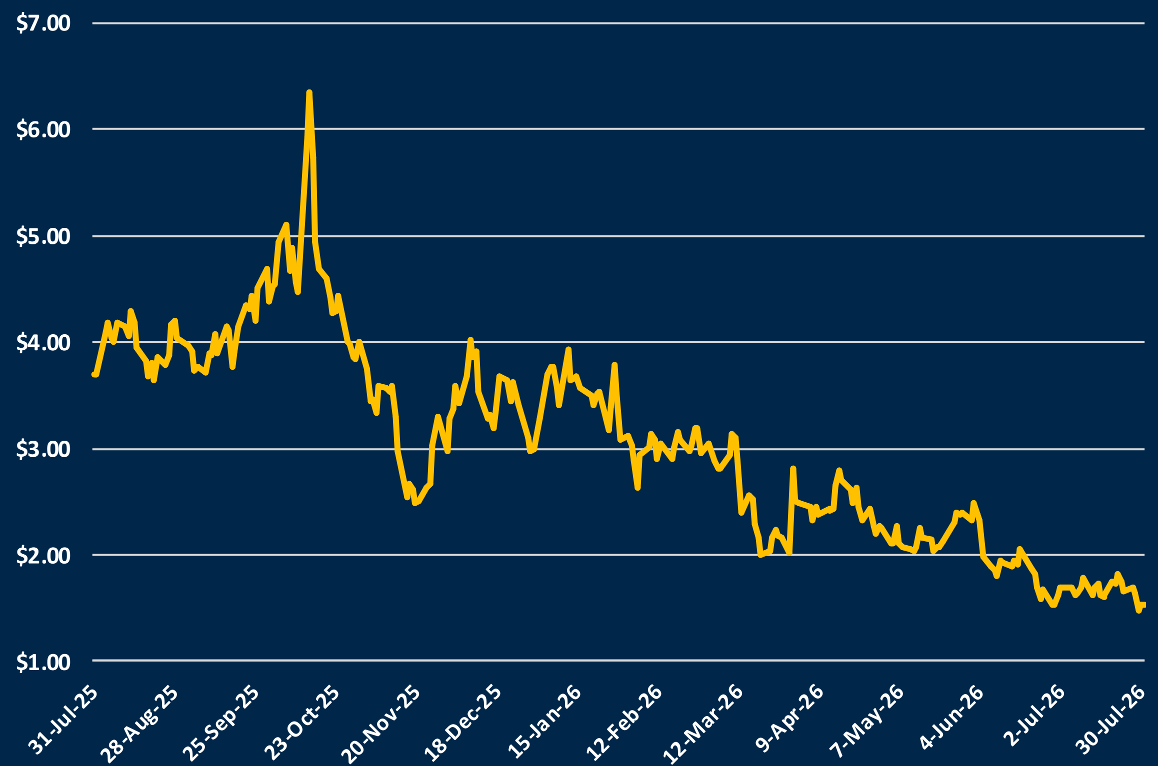
- Financial leadership spans 20 years in corporate finance and public company leadership roles
- Expertise in public company financial controls, restructuring, M&A, syndicate investing in equity and debt securities
- Current CFO of Quantum BioPharma
- CPA-CMA designation
- Holds a Bachelor of Commerce degree from University College Dublin

CAPITAL STRUCTURE

Frontier Nuclear and Minerals Inc.	Nasdaq: FNUC
Share Price (July 31, 2026)	$1.54
52-Week Range	$1.35-$7.43
Shares Outstanding	35,899,046
Options[1]	62,136
Warrants & RSUs[2]	110,385
FD Shares Outstanding	36,071,567
Market Capitalization (Basic)	~$42M
Cash (USD)	~$20M

1. Weighted average exercise price of $55.00
2. Includes 76,538 warrants outstanding with a weighted average exercise price of $67.21 and 33,846 RSUs outstanding

Note: Canadian dollar figures have been adjusted using a US$:C$ exchange rate as of US$0.68:C$1.00



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Frank Wheatley

Chief Executive Officer

fw@frontiernuclear.com

www.frontiernuclear.com

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