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CORPORATE PRESENTATION 2024





Forward looking Statement

This presentation contains "forward-looking information" within the meaning of applicable Canadian securities legislation, and "forward-looking statements" within the meaning of applicable United States securities legislation (collectively referred to as "forward-looking information" ("FLI")). All statements, other than statements of historical fact, are FLI and can be identified by the use of statements that include words such as "anticipates", "plans", "continues", "estimates", "expects", "may", "will", "projects", "predicts", "proposes", "potential", "target", "implement", "scheduled", "intends", "could", "might", "should", "believe" and similar words or expressions. FLI in this presentation includes, but is not limited to: exploration of EPL-7381, EPL-7394, EPL-7646, EPL-7996, EPL-8084, including expected costs of drilling and timing to achieve certain milestones, including timing for completion of drilling programs; the Company's ability to successfully fund, or remain fully funded for exploration of any of the Projects (including with any potential strategic partners); any anticipated impacts of COVID-19 on the Projects, the Company's financial position or operations, and the expected timing of announcements in this regard;

FLI involves known and unknown risks, assumptions and other factors that may cause actual results or performance to differ materially. This FLI reflects the Company's current views about future events, and while considered reasonable by the Company at this time, are inherently subject to significant uncertainties and contingencies. Accordingly, there can be no certainty that they will accurately reflect actual results. Assumptions upon which such FLI is based include, without limitation: current technological trends; the business relationship between the Company and its business partners and vendors; ability to fund, advance and develop each of the Projects, including results therefrom and timing thereof; the ability to operate in a safe and effective manner; uncertainties related to receiving and maintaining exploration, environmental and other permits or approvals in the respective jurisdictions; any unforeseen impacts of COVID-19; demand for uranium; impact of increasing competition in the mineral exploration business, including the Company's competitive position in the industry; general economic conditions, including in relation to currency controls and interest rate fluctuations;

Puranium Energy's actual results, programs and financial position could differ materially from those anticipated in such FLI as a result of numerous factors, risks and uncertainties, many of which are beyond Puranium Energy's control. These include, but are not limited to: neither of the Projects may be explored or developed as planned; uncertainty as to whether cost-overruns; market prices affecting development of the Projects; the availability and ability to secure adequate financing and on favourable terms; risks to the growth of the uranium markets; inability to obtain required governmental permits; any limitations on operations imposed by governments in the jurisdictions where we operate; technology risk; inability to achieve and manage expected growth; political risk associated with foreign operations; changes in government regulations, including currency controls; changes in environmental requirements; failure to obtain or maintain necessary licenses, permits or approvals; risks associated with COVID-19; insurance risk; litigation risk;



Forward looking Statement

receipt and security of mineral property titles and mineral tenure risk; changes in project parameters; uncertainties associated with estimating mineral resources and mineral reserves, including uncertainties regarding assumptions underlying such estimates; whether mineral resources will ever be converted into mineral reserves; opposition to development of either of the Projects; surface access risk; geological, technical, drilling or processing problems; health and safety risks; unanticipated results; unpredictable weather; unanticipated delays; reduction in demand for minerals; intellectual property risks; dependency on key personnel; workforce and equipment availability; currency and interest rate fluctuations; and volatility in general market and industry conditions. The foregoing list of risks, assumptions and uncertainties associated with FLI is not exhaustive.

Management has provided this information as of the date of this presentation in order to assist readers to better understand the expected results and impact of Puranium Energy's operations. There can be no assurance that FLI will prove to be accurate, as actual results and future events could differ materially from those anticipated in such information. As such, readers are cautioned not to place undue reliance on this information, and that this information may not be appropriate for any other purpose, including investment purposes. Readers are further cautioned to review the full description of risks, uncertainties and management's assumptions in Puranium Energy's most recent Annual Information Form and interim and annual Management's Discussion and Analysis available on SEDAR at www.sedar.com. Puranium Energy expressly disclaims any obligation to update FLI as a result of new information, future events or otherwise, except as and to the extent required by applicable securities laws.

Forward-looking financial information also constitutes FLI within the context of applicable securities laws and as such, is subject to the same risks, uncertainties and assumptions as are set out in the cautionary note above. Currency All figures presented are in Canadian Dollars unless otherwise noted. CAUTIONARY STATEMENT CSE: UX

Disclaimer

Information provided in this presentation is summarized and may not contain all available material information. Accordingly, readers are cautioned to review Puranium Energy's public disclosure record in full. The Company expressly disclaims any responsibility for readers' reliance on this presentation. This presentation is provided for informational purposes only, and shall not form the basis of any commitment or offering. Any commitment or offering will only be made by binding written agreement containing customary terms for transactions of such nature, and which is in compliance with applicable laws, including securities laws of Canada and the United States. This presentation is the property of Puranium Energy Ltd..





Puranium Energy Uranium Property Package in Namibia

- up with

Experienced Management & Advisors

Company currently trades on the CSE: UX & FSE: 2DK

PURANIUM

• 5 properties in close proximity to operating mines and deposits • Property footprint of 81,955 hectares located in the Erongo Province, Namibia, known as the "Uranium Province"

• Properties are in the same geology structure as the Rössing Mine, the Husab Mine, the Langer Heinrich Mine, and the Etango, Marenica, Valencia and Namibplaas deposits

• 15% of the properties are co-owned with our Namibian partner • Numerous anomalies and historical work to explore and follow

• Technical and Advisory insight from Madison Metals Inc., working with experienced team who has successfully developed a uranium mine in the same region • On-the-ground Technical Advisors

Return to Nuclear Energy

- Energy demand is expected to increase 49% by 2040
- Global commitment to reduce emissions using nuclear power
- Biden Administration plans to spend US \$369 Billion on clean energy sector
- Japan to re-start 17 reactors and build additional plants
- There are 434 active Nuclear power plants, 57 under construction and another 97 planned – World Nuclear Association
- EU deemed nuclear power as "green", opening up uranium for new long-term investment
- The International Energy Agency projects more than a doubling of nuclear generation by 2050, with at least 30 countries increasing their use of nuclear power

"The World Nuclear Association projects uranium demand to reach 206 million pounds in 2030 and supply to drop 50% by 2030 due to lack of investment in new mines." -

Energy Demand is Expected to Increase 49% by 2040



future results.

CO2 Equivalent Emissions per Gigawatt-Hour	Nuclear	Á
	Wind	
	Solar	屰
	Hydro	
	Biomass	\$
	Natural Gas	\bigcirc
	Oil	
	Coal	Ĩ

Source: Ourworldindata.org; measured in emissions of CO2-equivalent per gigawatt-hour of electricity over the lifecycle of the power plant. Data as of 12/31/2020. Included for illustrative purposes only. Past performance is no guarantee of future results.





Source: IEA World Energy Outlook 2020 Stated Policies. Included for illustrative purposes only. Past performance is no guarantee of



Nuclear has the Lowest Full-Cycle Carbon Footprint

Uranium Supply and Demand Problem Could Grow

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Management

Jason Bagg - President & CEO, Director

- Over 20 years of financial, technology, and mining experience
- Specialty in junior, micro-cap companies
- Former investment advisor for RBC and options trader at Scotia Capital

Julio DiGirolamo, CPA, CA - Chief Financial Officer, Director

- Almost 25 years experience as a Chartered Professional Accountant
- Currently holds senior management and directorship roles within the mining industry





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Advisors

Duane Parnham - Technical Advisor

As Founder of Forsys Metals, Mr. Parnham developed the Valencia uranium prospect in Namibia 2006-2010 to become a licensed uranium producer. Forsys, a \$45,000 start-up, grew to C\$860,000,000 market cap under his leadership. He has spent his 30-year+ career developing and founding several resource-focused companies, including Temex Resources, UNX Energy, Giyani Metals, Canoe Mining Ventures and Broadway Strategic Metals. To date, he has created over C\$1.2 billion in shareholder value for companies in which he has been directly involved.

Dr. Roger Laine - Technical Advisor

Dr. Laine is a geological engineer with over 40 years of experience in advanced mineral exploration projects, specializing in geo-statistics and reserve estimating, copper, coppergold porphyry, gold and uranium deposits, underground and open-pit mines, grade and quality control using advanced computerized information systems. During his extensive career, he has held senior executive positions with several mining exploration companies working in the Americas, West and Central Africa and Europe. He also served a 7-year tenure as Vice President of Exploration for Amok Ltd. (a subsidiary of COGEMA, now part of AREVA).

Mary Barton - Qualified Person

Mary Barton has 13 years of geological experience in exploration and mineral resource modelling. She has worked on a range of commodities including uranium, diamonds and copper. For the last three years, Mary has worked as an independent exploration consultant in exploration, target generation, evaluation and due diligence. Mary holds a MSc degree in geology from Curtin University in Australia and a MSc in International Mineral Resources Management from the University of Dundee in the UK. Mary is a registered member of SACNASP and the South African Geological Society.

King Frans Indongo - Country Advisor, Namibia

More than 10 years of experience in Namibian mining, energy and oil & gas. Strong business relationships with major national and international corporations within Namibia and South African Development Community.



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Board of Directors

Guy Le Page - Non-Executive Chairman & Director

- Over 30 years of mineral exploration and finance experience; B.Sc. , B.A., and MBA
- Currently is a director and corporate advisor of RM Capital Pty Ltd.
- Former Head of Research focused on exploration and mining companies

David Lees - Director

- Over 16 years of experience in the financial services industry in stockbroking, investment and funds management, with a primary focus on natural resources
- Currently is a director of Sultan Resources Ltd. (ASX: SLZ) and Graycliff Exploration Ltd. (CSE: GRAY)
- Education qualifications include a Bachelor of Economics and postgraduate diploma in Applied Finance and Investment

Jason Bagg - Director

Julio DiGirolamo - Director











Largest Uranium Producing Countries*



* Source: UxC LLC as of 12/31/2021. Included for illustrative purposes only. Past performance is no guarantee of future results. Source of chart: Sprott Asset Management Whitepaper: "Unearthing Opportunity: Uranium Miners and the Global Clean Energy Transition" April 2022



Namibia Regional Geology

The Central Zone of the Damara Belt hosts significant uranium mines and projects at various stages of development which accounts for over 12% of the world's uranium production.

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Namibia Concessions

- Total of 5 concessions covering an area of • 81,955 hectares
- In 2021, Namibia produced over 4,802 tonnes of U_3O_8
- Mining-friendly country with the industry ٠ accounting for over 25% of Namibia's income
- Excellent existing infrastructure •
- Favourable climate for year round • exploration
- Current production in the region is from • the Rössing Mine (production since 1976) and the Husab Mine (production since 2016)
- Other significant properties include the Langer Heinrich Mine (re-start Q1 2023), Trekkopje project, Norasa (Valencia + Namibplaas) and Marenica

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EPL-7646 & 8084

Location

EPLs 8084 and 7646 are located 110.96 km NNE of the town of Usakos and cover an area of 19,989.5 and 19,994.2 hectares respectively. The EPLs cover the Ruimte and Namib Park I uranium anomalies which were discovered in the 1970s.

Potential

- Former operator drilled 39 holes in 2019, delineating 381 tons of U_3O_8 with positive outlook of additional resources¹
- Historical drilling in the northeastern section of EPL-8084 indicates a prospective 2km long uranium anomaly within the Tinkas paleochannel. Puranium intends to downhole gamma probe the drill holes to determine the presence of mineralization and an eU₃O₈ grade
- Contains several highly prospective paleochannels identified by historical exploration
- Located near significant paleochannel/calcrete hosted deposits namely Langer Heinrich and Tumas (2004 JORC compliant indicated resource of 30,400 tonnes U in 0.028% U)
- Airborne geophysics has highlighted potential uranium anomalies for further exploration
- Airborne radiometric data obtained from the ministry of Mines and Energy highlights radiometric anomalies coinciding with paleochannels identified through historical exploration



¹ A qualified person has not done sufficient work to classify the historical estimate as current mineral resources or mineral reserves and the issuer is not treating the historical estimate as current mineral resources or mineral reserves

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EPL-7646 & 8084 Geology & Radiometrics







EPL-7381 & 7394

Location

area of 34,785 ha.

Potential

- •



40km northeast of the coastal town of Henties Bay. Collectively, the EPLs have an

• Licences are in proximity to calcrete-hosted uranium deposits, including Orano's Trekkopje project with an inferred resource of 26,000 tonnes U in 0.01% U (2011) and the Marenica Uranium project with a JORC compliant indicated resource of 22,040 tonnes U in 0.01% U (2004)

• Historical geophysical work has outlined the course of an old river channel, the Marenica channel, which is incised into the bedrock

• The licences cover the downstream catchment of the Marenica channel that hosts the Marenica and MA7 deposits

Paleochannel extends onto EPL-7381 for at least 6km

Currently assessing historical data and conducting further ground work

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Other uranium companies in the area



Company		PALADIN	Deep Yellow	S BANNERMAN energy	FORSYS	elevate uranium carbon free energy
Flagship Project		Langer Heinrich	Tumas	Etango-8	Norasa	Marenica
Location		Namibia	Namibia	Namibia	Namibia	Namibia
Stage		Production Restart	DFS	Scoping Study	DFS	PEA
Total Resources	MMlbs U ₃ O ₈	119.7	196.0	251.4	127.0	61.3
Market Cap. as of Feb. 7, 2024		AUD\$4.25 Billion	AUD\$1.28 Billion	AUD\$603.72 Million	CAD\$179.55 Million	AUD\$206.66 Million



Corporate Organization



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Our quest to make an impact in the Clean Energy Sector

- Bullish long-term outlook on uranium price and demand
- Puranium is one of the largest and well positioned land holders surrounding world-class uranium mines and deposits in Namibia
- Experienced group who have developed a uranium mine in this region
- An early-stage, pure uranium exploration company poised for significant growth

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