



# ENABLING THE NEW ENERGY PARADIGM

Plateau Energy Metals Inc. is a Canadian company focused on its Lithium and Uranium properties on the Macusani Plateau in southeastern Peru.



### Strong Management Team & Board

- Exploration to operators and project finance leadership
- Peruvian technical, environmental, permitting and community relations teams



### Consolidated Land Package

Macusani Plateau, Puno, Southern Peru

- 100% Control: 930 km<sup>2</sup> in the world's largest underdeveloped lithium and uranium district



### Excellent Infrastructure

- Labour, water and hydro-electric power
- Transport (major highway)
- Reagents supply in-country



### Mining Supportive Jurisdiction

- Supportive government and local communities



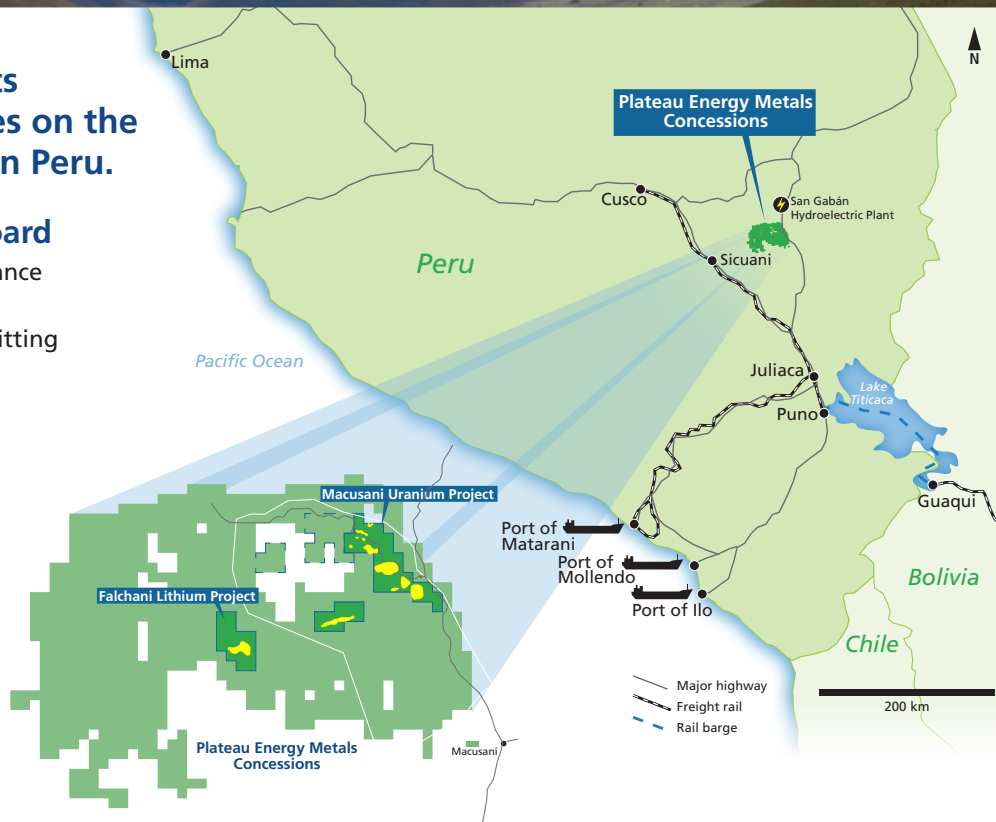
### Falchani Lithium

- High-grade volcanic-hosted lithium deposit
- Unique "hard rock" deposit
- Large mineralized footprint – 30% drilled to date
- Metallurgical testing on conventional processing routes can produce a high purity (>99.5%) lithium carbonate product



### Macusani Uranium

- Strong project economics
- Shallow, volcanic supergene/surficial uranium deposits
- Ability to fast track development path to feasibility
- Resilient project with optimization plans in review
- Scalable, flexible growth plan



## Management & Board

Alex Holmes, *CEO, Director*

Laurence Stefan, *President & COO, Director*

Philip Gibbs, *CFO*

Ted O'Connor, *Director, Technical Advisor*

Alan Ferry, *Chair*

Maryse Belanger, *Director*

Wayne Drier, *Director*

Christian Milau, *Director*

Shares outstanding (as at July 5, 2019)  
~79.5 million

Market capitalization (as at July 5, 2019)  
~C\$57 million

Analyst Coverage  
Colin Healey, Haywood Securities Inc.  
David Talbot, Eight Capital Corp.  
Gabriel Gonzalez, Echelon Wealth Partners

# Falchani Lithium Highlights



## High Grade Lithium-rich Tuff - +3,300 ppm Li

- Indicated\*: ~42.5Mt at 3,491 ppm Li (0.79Mt Li<sub>2</sub>CO<sub>3</sub>) (equiv)
- Inferred\*: ~123.6Mt at 3,243 ppm Li (2.13Mt Li<sub>2</sub>CO<sub>3</sub>) (equiv)

## Lithium-rich Tuff + Upper & Lower Breccia

- Indicated\*: ~60.9Mt at 2,954 ppm Li (0.96Mt Li<sub>2</sub>CO<sub>3</sub>) (equiv)
- Inferred\*: ~260.1Mt at 2,706 ppm Li (3.75Mt Li<sub>2</sub>CO<sub>3</sub>) (equiv)

## Growth potential

- Large mineralized footprint, ~ 30% drilled to date

## Metallurgy

- Metallurgical testing on conventional processing routes can produce a high purity (>99.5%) lithium carbonate product

## Development potential

- Scalable, bulk tonnage, near surface with PEA around mid 2019

\* Refer to "Mineral Resource Estimates for the Falchani Lithium Project in the Puno District of Peru", effective March 1, 2019 and filed on SEDAR in April 2019, prepared by Mr. Stewart Nupen of The Mineral Corporation, an Independent QP under NI 43-101. Mineral resources that are not mineral reserves do not have demonstrated economic viability.

# Macusani Uranium Highlights

## Strong Project Economics\*\*

- NPV = US\$ 603 M | IRR @ 40.6% | Pay-back in 1.8 years
- Large-scale with production of ~6 Mlbs U<sub>3</sub>O<sub>8</sub> for 10 years
- Low cost: ~US\$ 17/lb cash costs and ~US\$ 300M initial capital

## Uranium Resources\*\*\*

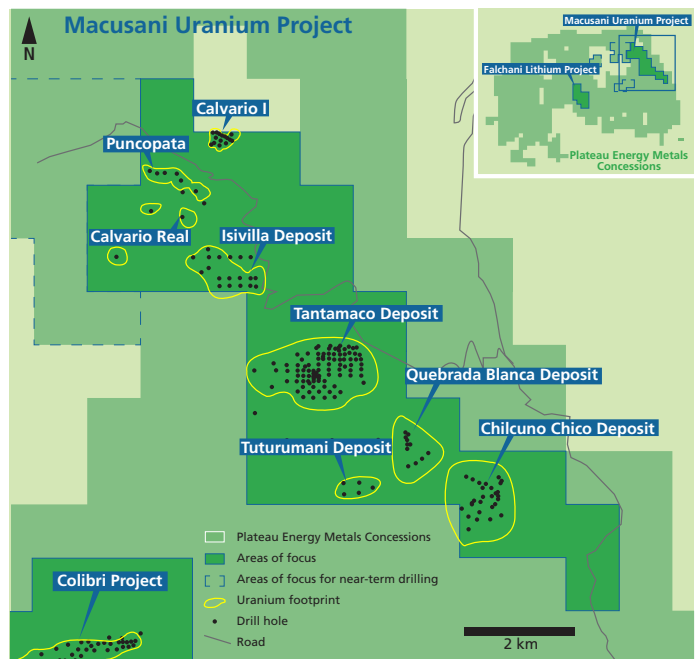
- Measured & Indicated: 52.9 Mlbs U<sub>3</sub>O<sub>8</sub> (248ppm)
- Inferred: 72.1 Mlbs U<sub>3</sub>O<sub>8</sub> (251ppm)

## Growth

- +45 targets around the existing defined deposit

\*\* Using US\$50.00/lb Uranium price. Refer to "Macusani Project NI 43-101 Report – Preliminary Economic Assessment" (PEA) filed on Feb 10, 2016 on SEDAR. The PEA is preliminary in nature, it includes inferred mineral resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as mineral reserves. Mineral resources that are not mineral reserves do not have demonstrated economic viability.

\*\*\* Refer to "Consolidated Mineral Resource estimates for the Kihitian, Isivilla and Corani Uranium Complexes controlled by Plateau Uranium Inc., in the Puno District of Peru", filed on SEDAR in June 2015, prepared by Mr. David Young, of The Mineral Corporation, an Independent QP under NI 43-101. Mineral resources that are not mineral reserves do not have demonstrated economic viability.



# Corporate Roadmap

Q1 2019 (Complete)

## Falchani Resource Update

Incorporating Falchani West expansion drilling and Falchani East delineation + drilling post-resource



2019 onwards

## Macusani Optimization Work

Tank leach, vat leach and pre-concentration work programs  
Follow up on extensions to known deposits, in between existing deposits and improved definition on deposits outside PEA mine plan

Q2 2019 (Complete)

## Falchani Metallurgical Studies Ph II

Metallurgical testing on conventional processing routes can produce a high purity (>99.5%) lithium carbonate product



H2 2019

## Macusani - Updated PEA & Feasibility Fast Track

Targeting PEA late 2019, pending optimization work program outcomes  
Advance to feasibility - ~18-24m from PEA

Mid 2019

## Falchani PEA

Lead engineer appointed January 2019



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OTCQB: PLUUF

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Cautionary Language: This fact sheet contains forward-looking statements based on the current beliefs, opinions and expectations of management regarding the Company's plans related to its properties. Forward-looking statements address future events and conditions and therefore involve inherent risks and uncertainties. Undue reliance should not be placed on forward-looking statements and information since the Company can provide no assurance that such opinions and expectations will prove to be correct and may differ materially from those reflected in the forward-looking statements. For a more complete discussion of the risk factors associated with the Company, please refer to the forward-looking statements and risks identified as they pertain to specific Company content i.e.; NI 43-101 Technical Reports, financial statements and Management's Discussion & Analysis which are available at www.sedar.com. Mr. Ted O'Connor, P. Geo, a Director of the Company and a Qualified Person under NI 43-101, has reviewed and approved the scientific and technical information contained in this fact sheet.