



# 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



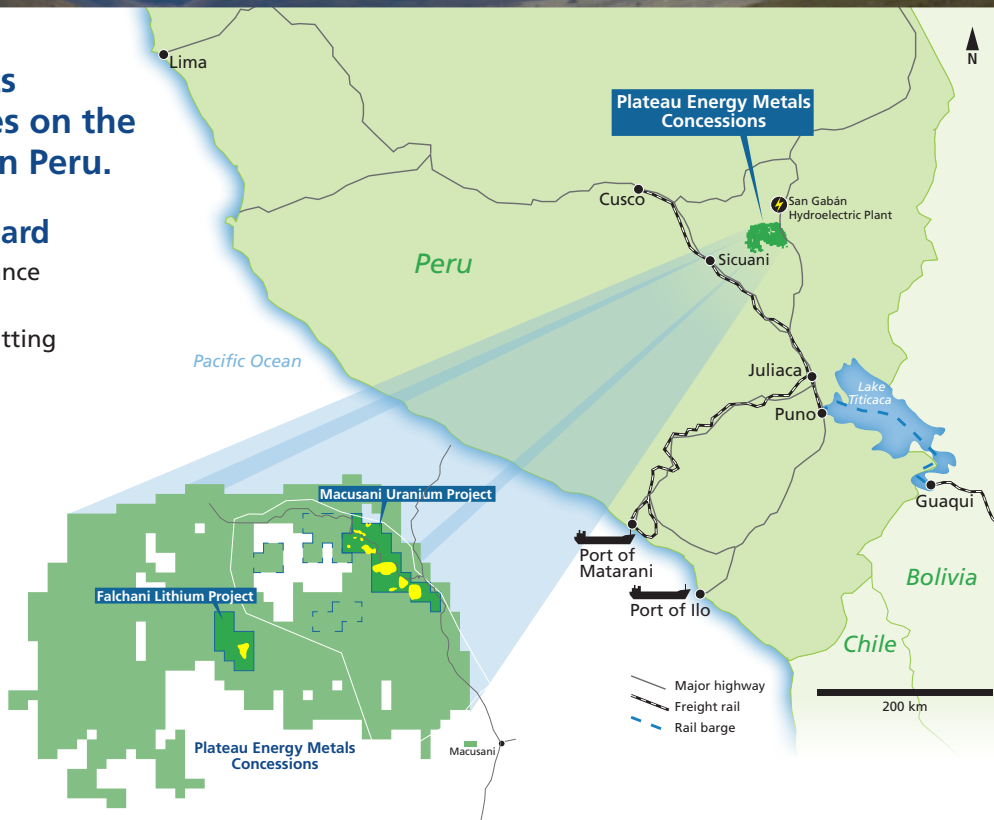
### Falchani Lithium – Advanced Exploration

- High-grade volcanic-hosted lithium deposit
- Unique “hard rock” deposit – 6th largest hard rock lithium project globally (per company estimates)
- Large mineralized footprint – 30% drilled to date
- Discovery to Maiden Resource in 9 months to 2x resource increase in 16 months



### Macusani Uranium – Early Development

- Shallow, volcanic supergene/surficial uranium deposits
- Multiple satellite deposits, centralized processing plan
- 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 March 1, 2019)

**~77.9 million**

Market capitalization (as at March 7, 2019)

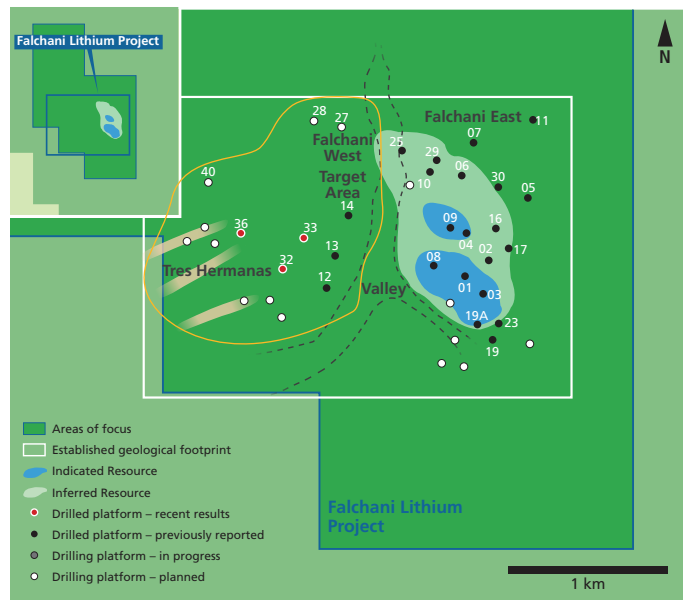
**~C\$53 million**

Analyst Coverage

**Colin Healey, Haywood Securities Inc.**

**David Talbot, Eight Capital Corp.**

# 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

- Early testing indicates potential for battery grade lithium carbonate, with more test work results due Q1 2019

## Development potential

- Scalable, bulk tonnage, near surface with PEA by Q2 2019

\* Refer to March 4, 2019 news release, with the associated NI 43-101 technical report to be filed on SEDAR within 45 days. 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.

# 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
- Updated PEA Q3 2019

## Uranium Resources\*\*\*

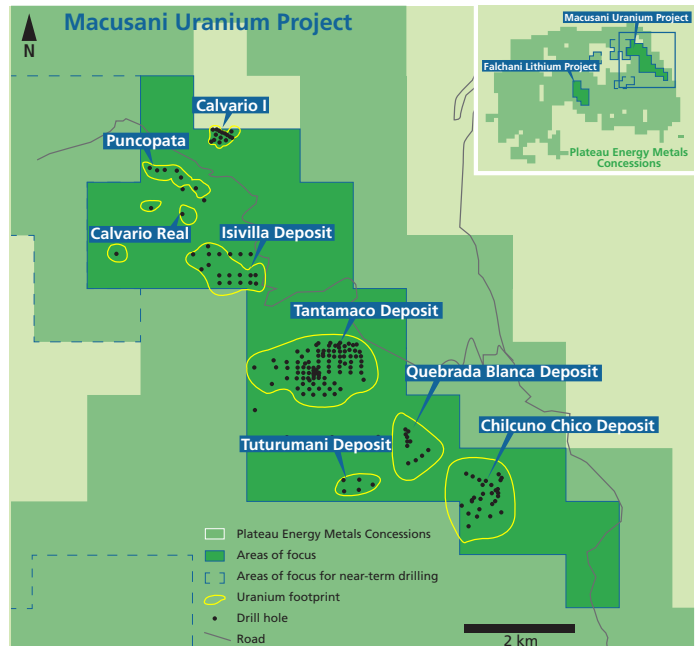
- Measured & Indicated: 52.9 Mlbs U<sub>3</sub>O<sub>8</sub> (248ppm)
- Inferred: 72.1 Mlbs U<sub>3</sub>O<sub>8</sub> (251ppm)

## Growth

- +45 targets around the existing defined deposit

\*\* 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" report filed on Jun 22, 2015 on SEDAR. The report 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.



# Corporate Roadmap

Q1 2019 (Complete)

## Falchani Resource Update

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



Q1 2019

## Falchani Trade-off Studies

High-level trade-off studies on process routes to select one or more optimal route(s)



End of H1 2019

## Falchani PEA

Lead engineer appointed January 2019



Dec 2018+

## 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



H2 2019

## Macusani – Updated PEA & Feasibility Fast Track

Targeting PEA Q3 2019  
Advance to feasibility - ~18-24m from PEA



TSX-V: PLU  
OTCQB: PLUUF

IR@PlateauEnergyMetals.com  
1 416 628 9600  
PlateauEnergyMetals.com

Connect with us:



@PLUEnergy

Cautionary Language: This fact sheet contains certain forward-looking statements and forward-looking information, as defined under applicable Canadian and US securities laws. Forward-looking information may include, but is not limited to drill results and the interpretation of drill results, the Company's plans regarding further drilling and exploration and information regarding preliminary economic estimates. Many factors could cause actual results, performance or achievements to be materially different from any future results that may be expressed or implied by such forward-looking statements and information, including, among others, changes in general economic conditions or financial markets; those risks identified in the interpretation of drill results, the geology, grade and continuity of mineral deposits; the possibility that any future exploration, development or mining results will not be consistent with our expectations; risks related to commodity price and foreign exchange rate fluctuations; risks related to foreign operations; and those risks identified in Plateau Energy Metals' most recent MD&A, which is available at www.sedar.com. We do not assume any obligation to update forward-looking information, whether as a result of new information, future events or otherwise, other than as required by applicable law. Mr. Ted O'Connor, P.Eng., a Director of Plateau Energy Metals, and a qualified person as defined by National Instrument 43-101, has reviewed and approved the scientific and technical information contained in this fact sheet.