



## **Pan American Energy to Collaborate with Integrity Mining and Industrial to Pilot Sustainable Chemistry for Lithium Extraction in North America**

*Integrity Mining and Industrial produces sustainable chemistry solutions that may be an effective means to enhance lithium production and recovery*

March 14<sup>th</sup>, 2023

Calgary AB – **Pan American Energy Corp.** (the “**Company**” or “**Pan American**”) (**CSE: PNRG**) (**OTC PINK: PAANF**) (**FRA: SS6**), is pleased to announce that it has partnered with Integrity Mining and Industrial (“**IMI**”), a subsidiary of Integrity Bio-Chemicals, LLC, to collaborate on evaluating IMI’s suite of sustainable green chemistries to enhance lithium recovery from petalite bearing pegmatite, spodumene and lithium bearing clays. Pan American intends to share samples from its planned exploration programs at the Horizon Lithium and Big Mack properties with IMI for testing.

A new force in the mining industry since 2019, IMI has strategically grown in a variety of regions by using dedicated research to disrupt current synthetic markets with tailored bio-based polymers and surfactants. IMI uses chemical engineering on an industrial scale to produce environmentally friendly biopolymers. They create chemistry designed to replace or enhance traditional chemistries that are not only high-performing and cost-effective but are equally sustainable. IMI is focused on the next frontier of global electrification and manufactures chemical solutions to enhance critical mineral recovery that supports the North American supply chain.

Jason Latkowcer, CEO and Director, comments, “Pan American’s alignment with IMI reflects our commitment to supporting more sustainable processes. As we move through our upcoming exploration programs, we intend to provide lithium bearing samples for testing by IMI’s floatation chemists and full team of research and development scientists at their innovation laboratory in Cresson, Texas. Our goal is to identify optimization opportunities across various lithium production processes that may benefit both the company and industry as a whole.”

James Jett, President and CEO of IMI states, “IMI is excited to partner with Pan American. In this new avenue we will be able to diversify our business from precious minerals to critical minerals and enter the next frontier for the US economy - electric and green markets. We hope to use our technical expertise, strengths in production, and scale to assist in the development of more sustainable lithium extraction processes, starting with Pan American’s properties in Canada and the United States.”

### **About Integrity Mining and Industrial**

Integrity Mining and Industrial is a technology company focused on the development of new to the industry bio-based polymers and surfactants for a wide variety of applications. IMI has a wide range of clay control, depressants, frothers and water treatment reagents for use in the mining space. IMI’s biobased offerings are derived from naturally occurring elements that are strategically sourced to prevent the use of extractive and non-renewable sources.

With a new facility located in Cresson, TX, IMI can produce over 10 million lbs monthly of bio-based surfactant, and over 20 million lbs monthly of our other bio-based polymers. This facility is located within a few hours of the Port of Houston and has access to rail to facilitate the usage of our industrial scale production capabilities.

For more information contact James Jett, President and CEO, [jjett@integrityminingandindustrial.com](mailto:jjett@integrityminingandindustrial.com) or visit [www.integrityminingandindustrial.com](http://www.integrityminingandindustrial.com).

### **About Pan American Energy Corp.**

Pan American Energy Corp. (CSE: PNRG) (OTC PINK: PAANF) (FSE: SS6) is an exploration stage company engaged principally in the acquisition, exploration and development of mineral properties containing battery metals in North America.

The Company's maiden asset is the 100% owned Green Energy Lithium Project, located in the Paradox Basin, Utah, USA. The Company has also entered a property option agreement with Horizon Lithium LLC with the right to acquire 100% interest in the Horizon Lithium Project, located within the Clayton Valley – Tonopah Lithium Belt, Nevada, USA.

The Company executed an option agreement in Canada with Magabra Resources with the right to acquire up to 90% interest in the drill-ready Big Mack Lithium Project, 80 km north of Kenora, Ontario.

### **On Behalf of the Board of Directors**

Jason Latkowcer  
CEO & Director

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### **Forward-Looking Statements**

*Certain statements contained in this press release constitute forward-looking information. These statements relate to future events or future performance. The use of any of the words "could", "intend", "expect", "believe", "will", "projected", "estimated" and similar expressions and statements relating to matters that are not historical facts are intended to identify forward-looking information and are based on the Company's current beliefs or assumptions as to the outcome and timing of such future events. In particular, this press release contains forward-looking information relating to, among other things, the Company's plans to collaborate with IMI, including the scope and nature of the Company's partnership with IMI and the anticipated benefits of such collaboration; the applicability of IMI's chemistry solutions to enhance lithium production and recovery; the nature of IMI's chemical solutions, including their performance, cost and sustainability; the Company's planned exploration activities; and the future of the US economy.*

*Various assumptions or factors are typically applied in drawing conclusions or making the forecasts or projections set out in forward-looking information, including, in respect of the forward-looking information included in this press release, the assumption that: the Company will be successful in its collaboration efforts with IMI and will recognize the anticipated benefits from its collaboration with IMI; that IMI's chemistry will be applicable to lithium processing and will assist in lithium processing in an efficient, cost-effective and sustainable manner; that the Company will proceed with its planned exploration activities in the manner and on the timelines currently contemplated; and that the green and electric markets in the United States develop as currently anticipated.*

*Although forward-looking information is based on the reasonable assumptions of the Company's management, there can be no assurance that any forward-looking information will prove to be accurate. Forward looking information involves known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking information. Such factors include the risk that the Company's collaboration efforts with IMI do not proceed in the manner currently contemplated, or are not successful in producing the anticipated benefits; that IMI's chemistry will not be applicable to lithium processing, whether as a result of scientific factors, the cost of such solutions or the sustainability of such solutions; risks inherent in the exploration and development of mineral deposits, including risks relating to receiving requisite permits and approvals, changes in project parameters or delays as plans continue to be redefined, that mineral exploration is inherently uncertain and that the results of mineral exploration may not be indicative of the actual geology or mineralization of a project; that mineral exploration may be unsuccessful or fail to achieve the results anticipated by the Company; and economic risks, including the risk that the green and electric markets in the United States do not develop as currently anticipated, or at all. The forward-looking information contained in this release is made as of the date hereof, and the Company not obligated to update or revise any forward-looking information, whether as a result of new information, future events or otherwise, except as required by applicable securities laws. Because of the risks, uncertainties and assumptions contained herein, investors should not place undue reliance on forward-looking information. The foregoing statements expressly qualify any forward-looking information contained herein.*

***The CSE has neither approved nor disapproved the information contained herein.***

