

# E3 Metals Lab Pilot Prototype Initial Tests Deliver 97% Lithium Recovery

CALGARY, AB, Dec. 2, 2021 /CNW/ - E3 METALS CORP. (TSXV: ETMC) (FSE: OU7A) (OTCQX: EEMMF) (the "Company" or "E3 Metals"), an emerging lithium developer and leading direct lithium extraction ("DLE") technology innovator, is pleased to announce the first set of results from its Lab-Pilot Prototype (the "Prototype") that has been operating since October. The Prototype is E3's largest scale DLE system to date with two separate trains capable of brine flow rates of up to 120L/hr.

An initial series of eleven tests were conducted ahead of a multi-cycle test to determine the operating parameters for a long-run program. The equipment and automation performed as expected providing the base design for the long-run program with a high level of confidence. Measured in total recovery of lithium, the performance of the Prototype exceeded expectations. Peak recoveries were recorded as high as 97% during these tests. Across all of the tests, the average lithium recovery remained above 90%, generally up to 95% in most cases.

The Prototype is currently running the long-run test program with one form of the sorbent on Train 1. This test will be concluded in mid-late December with results expected in the new year. Train 2 of the prototype has begun the initial test of the second form of the sorbent with results also expected in the early new year.

"We are very excited about these results" commented CEO, Chris Doornbos. "These initial tests were not designed to maximize performance, but rather, understand the performance. The fact that we see such high recoveries in this continuous flow system in a 'set-up for testing' environment is incredibly encouraging as we look towards our process design of the pilot."

## **About E3 Metals Corp.**

E3 Metals is a lithium development Company with 7.0 million tonnes of lithium carbonate equivalent (LCE) inferred mineral resources<sup>1</sup> in Alberta and an NPV<sub>8%</sub> on its Clearwater Lithium Project of USD 1.1 Billion with a 32% IRR pre-tax and USD 820 Million with a 27% IRR after-tax<sup>1</sup>. Through the successful scale up its DLE technology towards commercialization, E3 Metals' goal is to produce high purity, battery grade, lithium products. With a significant lithium resource and innovative technology solutions, E3 Metals has the potential to deliver lithium to market from one of the best jurisdictions in the world.

For more information about E3 Metals, visit <http://www.e3metalscorp.com>.

ON BEHALF OF THE BOARD OF DIRECTORS,

Chris Doornbos, President & CEO  
E3 METALS CORP.

1: The Preliminary Economic Assessment (PEA) of the Clearwater Lithium Project NI 43-101 technical report is effective Dec 21, 2020. E3 Metals has also released three NI 43-101 Technical Reports providing a total resource of 7.0Mt LCE. The Clearwater Lithium Project PEA resource estimate, identifying 2.2Mt LCE (inferred) effective December 21, 2020; the North Rocky Resource Area (NRR) Technical Report effective October 27, 2017 identifying 0.9Mt LCE (inferred); and the Exshaw West Resource Area (EWRA) identifying 3.9Mt LCE (inferred) dated June 4, 2018. All reports are available on the Company's website ([e3metalscorp.com/technical-reports](http://e3metalscorp.com/technical-reports)) and SEDAR ([www.sedar.com](http://www.sedar.com))

## **Forward-Looking and Cautionary Statements**

This news release includes certain forward-looking statements as well as management's objectives, strategies, beliefs and intentions. Forward looking statements are frequently identified by such words as "may", "will", "plan", "expect", "anticipate", "estimate", "intend" and similar words referring to future events and results. Forward-looking statements are based on the current opinions and expectations of management. All forward-looking information is inherently uncertain and subject to a

variety of assumptions, risks and uncertainties, including the speculative nature of mineral exploration and development, fluctuating commodity prices, the effectiveness and feasibility of emerging lithium extraction technologies which have not yet been tested or proven on a commercial scale or on the Company's brine, competitive risks and the availability of financing, as described in more detail in our recent securities filings available at [www.sedar.com](http://www.sedar.com). Actual events or results may differ materially from those projected in the forward-looking statements and we caution against placing undue reliance thereon. We assume no obligation to revise or update these forward-looking statements except as required by applicable law.

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