

American Battery Metals Corporation Expands Primary Battery Metal Extraction Development to Include Nickel and Cobalt Resources in Addition to Lithium

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Company Expands Business Unit through Collaborative Agreement with [Global Energy Metals Corp.](#)

RENO, September 22, 2021 - American Battery Metals Corporations (OTCQB:ABML) (the "Company" or "ABTC"), an American-owned lithium-ion battery recycling technology and advanced battery metal extraction company with mineral resources in Nevada, which is in the process of changing its name to American Battery Technology Company (ABTC), announced a collaborative agreement with [Global Energy Metals Corp.](#) (GEMC), which expands the Company's scope by developing solutions to manufacture nickel and cobalt battery metals domestically in addition to its existing work on domestic lithium product manufacturing.

For the last two years, the ABTC team has worked to develop an in-house process to manufacture battery-grade lithium from domestic Nevada based resources. The company has owned land and leased mining claims with lithium bearing resources throughout Nevada for many years, however simply having access to battery metal resources does not in itself contribute to addressing our global challenges. The majority of brine and surface sedimentary deposits in Nevada are considered unconventional, as their concentrations of lithium and the mechanisms by which the lithium is deposited within these host sites are very different than at established commercial scale lithium product manufacturing sites. As a result, applying existing conventional process flowsheet technologies to these resources would have resulted in extraction and conversion processes that were not economically competitive in the current market.

To address this challenge, when the ABTC team evaluated these brine and surface sedimentary resources over the past two years, it chose to develop new first-of-kind processes based on first-principles physics that were specifically targeted at these types of lithium bearing resources rather than adopt existing conventional processes. The resulting development efforts through analytical modeling, bench scale empirical trials, and techno-economic analyses led to ABTC's current in-house developed process for the manufacturing of battery grade lithium hydroxide from Nevada-based surface sedimentary lithium bearing resources that is currently being scaled up to a 5 metric tonne per day field demonstration system through the support of a grant from the US Department of Energy's Advanced Manufacturing Office Critical Materials program.

The domestic production of battery grade lithium materials is extremely important to supporting the burgeoning battery manufacturing industry, however it isn't the only critical or strategic battery metal required. As a result, ABTC is excited to have entered into a collaborative agreement with GEMC in order to undergo a similar procedure of developing new first-of-kind processes for producing battery cathode grade nickel and cobalt metal sulfates from Nevada-based resources held by GEMC. This fundamental development work will consist of rigorous thermodynamic analytic modeling, bench scale empirical trials, and techno-economic analyses to quantify the competitiveness of the developed process flowsheets against current market conditions, as highlighted by ABTC's CEO and CTO Ryan Melsert in this video interview.

"Our partnership between American Battery Technology Company and [Global Energy Metals Corp.](#) represents a complementary and actionable effort towards establishing a North American supply of critical and strategic materials that will fuel the global transition towards an electrified and domestic closed-loop circular economy," said ABTC's CEO and CTO Ryan Melsert. "While our lithium-ion battery recycling facilities will be first to market and allow us to make an immediate impact on addressing these global challenges, by allocating the bench scale resources now to also be developing processes for the production of battery grade nickel and cobalt from primary materials we will be in the position to subsequently commercialize this additional set of technologies."

"We are truly excited to be collaborating with American Battery Technology Company, given the shared

vision both companies have in securing and building a North American supply of critical and strategic battery minerals while using technology to support the future of electrified transportation," said Mitchell Smith, President & CEO of [Global Energy Metals Corp.](#) "The combination of ABTC's leading-edge extraction technology development processes with Global Energy's portfolio of nickel and cobalt projects creates mutually beneficial opportunities that could bolster and secure a much needed supply of minerals deemed "critical" by the Canadian and US governments."

In parallel to the development stage work of its battery metal extraction technologies division, ABTC will continue to focus on the construction and commercialization of its lithium-ion battery recycling pilot plant in Fernley, Nev., currently in the final pre-construction, permitting stage. When operations commence, ABTC's pilot plant will be scaled to process 20K metric tons of feedstock per year, which will produce battery grade materials to be redeployed into the North American battery supply chain.

About American Battery Technology Company

American Battery Technology Company is uniquely positioned to supply battery metals through its three divisions: lithium-ion battery recycling, battery metal extraction technologies, and primary resources development. The Company issued a public statement outlining its principled approach to executing its ambitious business plan.

American Battery Technology Company has built a clean technology platform that increases production of primary metals used in the batteries that power electric cars, grid storage applications, and consumer electronics and tools. The green platform creates a circular economy for battery metals that champions ethical and environmentally sustainable sourcing of critical materials.

For more information, please visit: www.americanbatterytechnology.com

About Global [Energy Metals Corp.](#)

[Global Energy Metals Corp.](#) offers investment exposure to the growing rechargeable battery and electric vehicle market by building a diversified global portfolio of exploration and growth-stage battery mineral assets. Global Energy Metals recognizes that the proliferation and growth of the electrified economy in the coming decades is underpinned by the availability of battery metals, including cobalt, nickel, copper, lithium and other raw materials. To be part of the solution and respond to this electrification movement, Global Energy Metals has taken a 'consolidate, partner and invest' approach and in doing so have assembled and are advancing a portfolio of strategically significant investments in battery metal resources.

Forward-Looking Statements

This press release contains "forward-looking statements" within the meaning of the safe harbor provisions of the U.S. Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical fact, including those with respect to the development timelines and economics for ABTC recycling projects including the development of its initial or subsequent recycling facilities or any lithium-ion mining projects, and the potential results of such efforts, and the effects on timing of such projects, are "forward-looking statements." Although the Company's management believes that such forward-looking statements are reasonable, it cannot guarantee that such expectations are, or will be, correct. These forward-looking statements involve a number of risks and uncertainties, which could cause the Company's future results to differ materially from those anticipated. Potential risks and uncertainties include, among others, interpretations or reinterpretations of geologic information, unfavorable exploration results, inability to obtain permits required for future exploration, development or production, general economic conditions and conditions affecting the industries in which the Company operates; the uncertainty of regulatory requirements and approvals; fluctuating mineral and commodity prices, final investment approval and the ability to obtain necessary financing on acceptable terms or at all. Additional information regarding the factors that may cause actual results to differ materially from these forward-looking statements is available in the Company's filings with the Securities and Exchange Commission, including the Annual Report on Form 10-K for the year ended June 30, 2020. The Company assumes no obligation to update any of the information contained or referenced in this press release.

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