
NEWS RELEASE

CENTURY LITHIUM PRODUCES LITHIUM HYDROXIDE AT DEMONSTRATION PLANT IN NEVADA

October 20, 2025 – Vancouver, Canada – Century Lithium Corp. (TSXV: LCE) (OTCQX: CYDVF) (Frankfurt: C1Z) (“Century Lithium” or “the Company”) is pleased to announce that the Company’s Lithium Extraction Facility (“Demonstration Plant”) in Amargosa Valley, Nevada, USA, has produced for its first time lithium hydroxide from lithium carbonate derived from the Company’s 100%-owned Angel Island lithium project, located near Silver Peak, Nevada.

“The lithium hydroxide samples produced by our team represent another important milestone for the Company,” said Bill Willoughby, President and CEO of Century Lithium. “Up until this point, Century’s efforts have focused on making lithium carbonate as the end product for Angel Island. By producing high-purity lithium hydroxide, we show that Angel Island can supply another major lithium product for the domestic market.”

The lithium hydroxide samples were produced from lithium carbonate derived from Angel Island’s lithium claystone deposit and treated at the Demonstration Plant using Century Lithium’s patent-pending alkaline leach and Direct Lithium Extraction (“DLE”) process. The lithium hydroxide samples were produced on-site in a batch process using conventional liming conversion with calcium hydroxide to make high-purity, +99.5% lithium hydroxide.

The Company is also pursuing a direct lithium conversion (“DLC”) process to produce lithium hydroxide directly from lithium chloride solution. Such a process would thereby bypass lithium carbonate as an intermediate stage, simplify operations, and reduce energy consumption and operating costs.

With the demand for mobile and stationary energy storage growing, Century Lithium’s project at Angel Island is strategically positioned as the United States seeks a reliable domestic source of critical materials. Lithium carbonate is an essential component for LFP batteries, while lithium hydroxide is needed for high-energy-density NMC/NCA batteries. By demonstrating the potential to produce both, Angel Island stands out as a potential key contributor to American energy independence and a resilient battery supply chain.

Qualified Person

Todd Fayram, MMSA-QP and Senior Vice President, Metallurgy of Century Lithium is the qualified person as defined by National Instrument 43-101 and has approved the technical information in this release.

ABOUT CENTURY LITHIUM CORP.

Century Lithium Corp. is an advanced-stage lithium company, focused on developing its 100%-owned lithium project [Angel Island](#) in Esmeralda County, Nevada, which hosts one of the largest sedimentary lithium deposits in the United States. The Company has utilized its patent-pending process for chloride



leaching combined with direct lithium extraction to make battery-grade lithium carbonate product samples from Angel Island's lithium-bearing claystone at its Demonstration Plant in Amargosa Valley, Nevada.

Angel Island is one of the few advanced lithium projects in development in the United States to provide an end-to-end process to produce battery-grade lithium carbonate for the growing electric vehicle and battery storage market. Angel Island is currently in the permitting stage for a three-phase feasibility-level production plan, expected to yield an estimated life-of-mine average of 34,000 tonnes per year of lithium carbonate over a 40-year mine-life.

Century Lithium trades on both the TSX Venture Exchange under the symbol "LCE" and the OTCQX under the symbol "CYDVF", and on the Frankfurt Stock Exchange under the symbol "C1Z".

To learn more, please visit centurylithium.com.

ON BEHALF OF CENTURY LITHIUM CORP.

WILLIAM WILLOUGHBY, PhD., PE
President & Chief Executive Officer

For further information, please contact:
Spiros Cacos | Vice President, Investor Relations
Direct: +1 604 764 1851
Toll Free: 1 800 567 8181
scacos@centurylithium.com
centurylithium.com

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This release contains certain forward-looking statements within the meaning of applicable Canadian securities legislation. In certain cases, forward-looking statements can be identified by the use of words such as "plans", "expects" or "does not anticipate", or "believes", or variations of such words and phrases or statements that certain actions, events or results "may", "could", "would", "might" or "will be taken", "occur" or "be achieved" and similar expressions suggesting future outcomes or statements regarding an outlook.

Forward-looking statements relate to any matters that are not historical facts and statements of our beliefs, intentions and expectations about developments, results and events which will or may occur in the future, without limitation, statements with respect to the potential development and value of the Project and benefits associated therewith, statements with respect to the expected project economics for the Project, such as estimates of life of mine, lithium prices, production and recoveries, capital and operating costs, IRR, NPV and cash flows, any projections outlined in the Feasibility Study in respect of the Project, the permitting status of the Project and the Company's future development plans.

These and other forward-looking statements and information are subject to various known and unknown risks and uncertainties, many of which are beyond the ability of the Company to control or predict, that may cause their actual results, performance or achievements to be materially different from those expressed or



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