

Century Lithium Corp. Achieves High Recovery Of Rare Earth And Critical Elements From Primary Leach Solutions

02.12.2025 | [CNW](#)

[Century Lithium Corp.](#) (TSXV: LCE) (OTCQX: CYDVF) (Frankfurt: C1Z) ("Century Lithium" or "the Company") is pleased to report positive results from its ongoing test work on the recovery of rare earth elements ("REEs") from primary lithium leach solutions generated from its 100%-owned Angel Island lithium project in Nevada, USA. The initial testing indicates that high REE recoveries can be achieved without impacting lithium recovery in Century Lithium's extraction process.

"The REE recovery results validate our belief that Century Lithium's leach solutions offer meaningful secondary-value opportunities," said Todd Fayram, Century Lithium's Senior Vice President, Metallurgy. "Producing a secondary REE-rich product has the potential to strengthen Angel Island's economics and align the Company with broader government and industry initiatives supporting secure North American critical-minerals supply chains."

Century Lithium previously confirmed that the leach solutions produced from Angel Island claystone contain notable concentrations of REEs, including dysprosium, gadolinium, neodymium, and praseodymium, as well as higher concentrations of the critical metals scandium, lanthanum, and cerium. Cesium is also present.

Ion-exchange test work achieved greater than 97% recovery of the identified REEs and critical metals, excluding cesium, while maintaining complete selectivity against lithium. This selectivity is essential for downstream lithium recovery through the Company's process flowsheet, which includes ultrafiltration, direct lithium extraction ("DLE") and subsequent steps to produce high-purity lithium carbonate.

The Company's metallurgical program at Angel Island continues to focus on the following:

- Optimizing ion-exchange performance and selectivity
- Advancing downstream processing flowsheets for REE concentration and refinement
- Evaluating market pathways for a commercial REE by-product
- Assessing the economic contribution of REEs to primary lithium production

These results represent a significant technical milestone, demonstrating that REE extraction and recovery can be implemented without affecting the Company's core lithium recovery process. Century Lithium believes these advancements position the Company to potentially supply both lithium and REEs to North American critical minerals markets, supporting supply-chain resilience and enhancing long-term project value for Angel Island.

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

centurylithium.com

NEITHER THE TSX VENTURE EXCHANGE NOR ITS REGULATION SERVICES PROVIDER ACCEPTS RESPONSIBILITY FOR THE ADEQUACY OR ACCURACY OF THE CONTENT OF THIS NEWS RELEASE.

Cautionary Note Regarding Forward-Looking Statements

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 implied thereby, and are developed based on assumptions about such risks, uncertainties and other factors set out herein. These risks include those described under the heading "Risk Factors" in the Company's most recent annual information form and its other public filings, copies of which can be under the Company's profile at www.sedarplus.com. The Company expressly disclaims any obligation to update forward-looking information except as required by applicable law. No forward-looking statement can be guaranteed, and actual future results may vary materially. Accordingly, readers are advised not to place reliance on forward-looking statements or information. Furthermore, Mineral Resources that are not Mineral Reserves do not have demonstrated economic viability.

SOURCE Century Lithium Corp.

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

Dieser Artikel stammt von [Rohstoff-Welt.de](https://www.rohstoff-welt.de)

Die URL für diesen Artikel lautet:

<https://www.rohstoff-welt.de/news/714207--Century-Lithium-Corp.-Achieves-High-Recovery-Of-Rare-Earth-And-Critical-Elements-From-Primary-Leach-Solution>

Für den Inhalt des Beitrages ist allein der Autor verantwortlich bzw. die aufgeführte Quelle. Bild- oder Filmrechte liegen beim Autor/Quelle bzw. bei der vom ihm benannten Quelle. Bei Übersetzungen können Fehler nicht ausgeschlossen werden. Der vertretene Standpunkt eines Autors spiegelt generell nicht die Meinung des Webseiten-Betreibers wieder. Mittels der Veröffentlichung will dieser lediglich ein pluralistisches Meinungsbild darstellen. Direkte oder indirekte Aussagen in einem Beitrag stellen keinerlei Aufforderung zum Kauf-/Verkauf von Wertpapieren dar. Wir wehren uns gegen jede Form von Hass, Diskriminierung und Verletzung der Menschenwürde. Beachten Sie bitte auch unsere [AGB/Disclaimer!](#)

Die Reproduktion, Modifikation oder Verwendung der Inhalte ganz oder teilweise ohne schriftliche Genehmigung ist untersagt!
Alle Angaben ohne Gewähr! Copyright © by Rohstoff-Welt.de -1999-2025. Es gelten unsere [AGB](#) und [Datenschutzrichtlinien](#).