

ASX ANNOUNCEMENT

2 July 2025

Lake Resources Announces Completion of Power FEED for the Kachi Project

Lake Resources N.L. (ASX: LKE; OTC: LLKKF) (“Lake” or “the Company”) is pleased to announce the successful completion of the Front-End Engineering Design (“FEED”) study by YPF Luz for the delivery of power to Lake’s flagship Kachi Lithium Brine Project (“Kachi”) in Catamarca Province, Argentina.

The FEED study, initiated in May 2024, marks another key milestone in the development of Kachi’s infrastructure roadmap. The completed FEED study provides a solution for Kachi’s electrical interconnection to the Argentine national grid, including proposed infrastructure routing, system specifications, and integration options tailored to Kachi’s projected power demands. Lake extends its appreciation to YPF Luz for its timely and professional execution of this important work. “The completion of the FEED study is an important step forward for Lake and the Kachi Project and shows that grid power is a viable solution to meet the project’s power demands,” said David Dickson, CEO of Lake. YPF Luz and Lake remain in dialogue regarding next steps following completion of the FEED.

Lake also welcomes the recent announcement¹ by YPF Luz and Central Puerto S.A., which have signed a strategic agreement to jointly develop an electrical interconnection project aimed at enhancing power infrastructure and enabling sustainable mining growth in Argentina’s Puna Region, which includes the Kachi site. This initiative, strongly supported by the Lithium Board comprised of the Governors of Jujuy, Salta and Catamarca Provinces², is expected to materially improve power availability, reliability, and renewable energy integration for mining and industrial users across the region.

“The broader infrastructure initiative between YPF Luz and Central Puerto underscores the importance of bringing grid power to this region of Argentina to enable development of the country’s resources in remote areas for Argentina to secure itself as a global leader in lithium supply,” said Mr. Dickson.

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¹ See <https://www.centralpuerto.com/en/noticias/central-puerto-and-ypf-luz-sign-a-strategic-agreement-to-develop-an-electrical-interconnection-project-and-boost-mining-growth-in-the-noa-region/>

² <https://www.panorama-minero.com/en/news/raul-jalil-leads-the-lithium-board-with-new-strategic-agreements>

About Lake Resources N.L. (ASX: LKE OTC: LLKKF)

Lake Resources N.L. (ASX: LKE, OTC: LLKKF) is a responsible lithium developer utilising state-of-the-art ion exchange extraction technology for production of sustainable, high purity lithium from its flagship Kachi Project in Catamarca Province within the Lithium Triangle in Argentina.

This ion exchange extraction technology delivers a solution for two rising demands – high purity battery materials to avoid performance issues, and more sustainable, responsibly sourced materials with low carbon footprint and significant ESG benefits.

Forward Looking Statements:

Certain statements contained in this announcement, including information as to the future financial performance of the projects and the Company, are forward-looking statements. Such forward-looking statements are necessarily based upon a number of estimates and assumptions that, while considered reasonable by Lake Resources N.L. are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; involve known and unknown risks and uncertainties and other factors that could cause actual events or results to differ materially from estimated or anticipated events or results, expressed or implied, reflected in such forward-looking statements; and may include, among other things, statements regarding targets, estimates and assumptions in respect of production and prices, operating costs and results, capital expenditures, reserves and resources and anticipated flow rates, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions and affected by the risk of further changes in government regulations, policies or legislation and that further funding may be required, but unavailable, for the ongoing development of Lake's projects. Lake Resources N.L. disclaims any intent or obligation to update any forward-looking statements, whether as a result of new information, future events or results or otherwise. The words "believe", "expect", "anticipate", "indicate", "contemplate", "target", "plan", "intends", "continue", "budget", "estimate", "may", "will", "schedule" and similar expressions identify forward-looking statements. All forward-looking statements made in this announcement are qualified by the foregoing cautionary statements. Investors are cautioned that forward-looking statements are not guarantees of future performance and accordingly investors are cautioned not to put undue reliance on forward-looking statements due to the inherent uncertainty therein. Lake does not undertake to update any forward-looking information, except in accordance with applicable securities laws.