



A1 Lithium Green River Project: Summer 2025 Issue

A1 Lithium has had an exciting and productive summer as we continue to advance the Green River Lithium Project. From launching a major new collaboration with POSCO Holdings and completing a successful seven-month pilot program with Koch Technology Solutions, to finalizing a landmark Community Benefits Agreement with the City of Green River, we've reached several important milestones that strengthen both our project and our community ties. We're also proud to support local traditions like the 119th Annual Melon Days Festival and to share more about our environmentally responsible approach to lithium extraction. In this newsletter we highlight these achievements and offers a look ahead as we work together to build a cleaner, more resilient energy future

A1 Lithium and POSCO Partner to Bring Advanced Lithium Extraction Technology to Green River, UT



A1 Lithium is proud to announce a strategic collaboration with POSCO Holdings, marking a major milestone in the advancement of clean energy technology and regional economic growth. POSCO, a global leader and the first Korean company to launch a Direct Lithium Extraction (DLE) demonstration project in North America, will locate its groundbreaking pilot facility at A1 Lithium's Green River site in Green River, Utah.

This high-impact initiative is expected to generate high-quality local employment opportunities while aligning with state and federal goals to strengthen domestic critical mineral supply chains and reduce dependence on foreign imports. By

leveraging next-generation DLE technology, the project aims to revitalize the region and position Green River as a key player in the future of sustainable energy.

The DLE demonstration plant is a significant part of POSCO Group's broader secondary battery materials strategy, which emphasizes the secure sourcing of lithium and the development of future-ready extraction technologies. Under its '2 Core + New Engine' business transformation plan, POSCO Holdings is investing heavily in expanding its lithium production capabilities, with North America playing a central role.

Set to break ground in 2026, the Green River demonstration facility will evaluate the commercial viability of POSCO's proprietary DLE technology using lithium-rich brine provided by A1 Lithium. This initiative may pave the way for a long-term strategic partnership between the two companies, focused on scaling up lithium production and creating new economic opportunities in the region.

Globally, POSCO Holdings is already a key player in the lithium market, operating a 25,000-ton-per-year brine-based lithium facility in Argentina and a 43,000-ton-per-year hard rock lithium plant in South Korea. Together, these facilities support the production of approximately 68,000 tons of lithium hydroxide annually—enough to power over 1.6 million electric vehicles.

A1 Lithium is excited to bring this world-class investment to Utah and looks forward to continued collaboration with local stakeholders, government representatives, and community members as we work together to build a resilient and innovative energy future.

A1 Lithium to Sponsor Melon Days

A1 Lithium is thrilled to return as a [Title Sponsor] of the 119th Annual Melon Days Festival taking place on Friday and Saturday, September 19–20, 2025, at O.K. Anderson Park (100 Solomon Street) in Green River, Utah. This cherished community event draws locals, visitors, families, and local growers together for two full days of melon sampling, a jubilant parade, a vendor fair, pony rides, live music, and family-minded entertainment—all celebrating Green River's famed melons.



A1 Lithium is proud to support this storied tradition, which not only highlights the region's agricultural heritage and resilient spirit, but also fosters community pride and economic vitality. We are honoured to contribute to an event that brings together local residents, government leaders, and visitors from across the region in a celebration spanning over a century

We look forward to seeing you there—enjoy a sweet slice, take in the parade, and celebrate the vibrant community that makes Green River so special.

Green River DLE Pilot Program Delivers Industry Leading Results



A1 Lithium has recently completed a successful seven-month pilot program with Koch Technology Solutions (KTS) at the Green River Lithium Project. Using Koch's advanced Li-Pro™ Direct Lithium Extraction (DLE) process, the project consistently produced lithium chloride of exceptionally high purity — 99.95% EV-grade — while removing nearly all impurities. This purity is significant because it lowers downstream processing costs, helping make the project more efficient and financially viable. With over 43,500 gallons of high-quality lithium chloride produced during the trial, the results demonstrate both the reliability and scalability of the process under real-world conditions.

The partnership with Koch, a well-respected U.S. energy company, underscores the strength of the project and its potential to support America's growing clean energy supply chain. Importantly, the DLE method is proven to be a safe and environmentally friendly way to extract lithium, requiring less land and water than traditional methods. These results mark a major step toward commercial production and signal long-term benefits for both Utah residents and the U.S. economy as a whole.

Advancing Clean Energy with Environmentally Responsible Lithium Extraction



A1 Lithium's Green River project will utilize a Direct Lithium Extraction (DLE) process, a next-generation technology that offers a more environmentally responsible alternative to traditional lithium production methods such as hard rock mining and solar evaporation ponds. Unlike hard rock mining—which involves

intensive land use, significant energy consumption, and large-scale excavation—DLE uses a closed-loop process that extracts lithium directly from brine with minimal surface disruption and without creating tailings or large open pits. The method is faster, more efficient, and far less land-intensive — a key advantage in Utah’s desert climate.

“Lithium-rich brine is not drinking water,” Richardson said. “This technology allows us to responsibly develop a resource that’s essential to the clean energy transition, while protecting our local environment and communities.”

Compared to evaporation ponds, which require vast areas of land and long processing times, DLE is faster, more efficient, and far less land-intensive.

Importantly, DLE enables the sustainable development of lithium from lower concentration brine sources that were previously considered uneconomical. This innovation is especially valuable in North America, where the climate and geography are not suitable for traditional evaporation-based lithium recovery. By eliminating the need for extensive evaporation ponds, DLE also reduces water loss to the atmosphere and protects sensitive desert landscapes from industrial-scale alteration.

It’s also essential to understand that lithium-rich brine is not potable water—it is a highly saline, mineral-rich fluid that naturally occurs deep underground. Similar to oil and gas development, accessing these brine resources does not affect local freshwater aquifers. Brine extraction wells are carefully engineered and regulated to prevent any impact on nearby water supplies, ensuring that local communities and ecosystems remain protected. As the demand for lithium continues to grow, DLE offers a clean, safe, and community-conscious pathway to support the global energy transition.

Green River City Council Approves Community Benefits Agreement with A1 Lithium



A1 Lithium is thrilled that its Community Benefits Agreement (CBA) for the Green River Lithium Project was unanimously approved by the Green River City Council on May 13, 2025. This landmark agreement reflects the strong partnership between A1 Lithium and the Green River community and is a vital step toward bringing one of the United States’ most important critical minerals projects to life. Community support has been central to this success—with over 120 residents, representing a significant portion of the city’s 800-person population, signing a petition in favor of the project.

The CBA outlines A1 Lithium’s commitment to local job creation, workforce training, and sustainable development. The Company is already working with a local educational institution to launch one-year programs focused on plant operations and laboratory technician skills—ensuring that local residents are equipped to fill the 50 to 100 well-paying jobs that will be created. The agreement also includes investments in local infrastructure, support for STEM and technical education in schools, and robust environmental sustainability measures. Training for future employees is already underway at the project site.

The City of Green River has pledged to actively support the project through streamlined permitting, zoning, and coordination with state and federal agencies. Mayor Ren Hatt emphasized the project’s alignment with Green River’s goals to boost commercial activity, expand job opportunities, and enhance community infrastructure. Bruce Richardson, Executive Chairman and CEO of Anson Resources, thanked the City and its residents for their enthusiastic backing, stating: “This Community Benefits Agreement represents a shared commitment to long-term growth and prosperity for both Anson and the people of Green River.”

CEO Insights



A1 Lithium’s President and CEO recently sat down with the Rock Stock Channel to discuss the Green River Lithium Project. The conversation offers an in-depth look at the strategic vision behind the project, including the company’s expertise in lithium brine extraction in Utah’s Paradox Basin, the economics of its Direct Lithium Extraction (DLE) technology, and its evolving partnership with POSCO. Mr Richardson also dives into the project’s strong infrastructure, permitting progress, and its position

within North America’s growing lithium supply chain. You can view the interview [here](https://youtu.be/DLKnfennr_gU?si=vaLZtWAnXISxTTW6) [https://youtu.be/DLKnfennr_gU?si=vaLZtWAnXISxTTW6]