

American-Made Lithium: EnergyX Commissions Project Lonestar™ 250-ton DLE Lithium Production Plant on U.S. Soil



HIGHLIGHTS:

- EnergyX has commissioned the largest DLE lithium production plant in the United States at approximately 250-tons per year of battery-grade lithium hydroxide
- The Project Lonestar™ facility in Texas marks the first direct lithium extraction (DLE) plant in the state processing locally sourced Smackover brine.
- EnergyX is using its in-house, proprietary GET-Lit™ technology platform for the extraction and refining on all systems.
- The facility validates a scalable and cost-competitive pathway for domestic lithium production, establishing the technical foundation for commercial deployment at 100,000+ ton scale across EnergyX's global resource portfolio.
- Project Lonestar™ addresses a critical U.S. supply chain gap by enabling domestic refining capacity, reducing reliance on China's 60–75% control of global lithium conversion, and advancing a secure, resilient battery materials ecosystem.

Hooks, Texas – March 26, 2026 – Energy Exploration Technologies, Inc. (“EnergyX”), a leading innovator in lithium extraction and refining technologies founded by CEO Teague Egan, today announces the successful commissioning of a first-of-its-kind, U.S.-based lithium production facility at Project Lonestar™, marking a major milestone toward commercial-scale domestic lithium production.

The Lonestar™ demonstration plant, using industrial-grade equipment, is operational and will be producing approximately 250 metric tons per year of battery-grade lithium carbonate equivalent

(LCE). Using EnergyX's patented GET-Lit™ direct lithium extraction and refining technologies, this milestone represents the first direct lithium extraction facility operating in Texas processing local Smackover brine, and serves as a critical validation of EnergyX's extraction efficiency, recovery rates, and cost profile.

"Bringing the biggest integrated DLE lithium demonstration plant online in the United States is a foundational milestone for EnergyX and for U.S. domestic lithium production in general," said **Teague Egan, Founder & CEO of EnergyX**. "This facility not only validates the performance of our technology on an industrial scale under real-world conditions, but also establishes EnergyX as the lowest cost producer in the U.S. Ultimately this benefits all our customers who need large volumes of lithium for EV and ESS applications, as well as any lithium resource owners looking to implement best-in-class DLE technology whom we are happy to license to."

The Project Lonestar™ Lithium demonstration facility enables EnergyX to further optimize system design, validate process economics, and provide 5-25 ton samples of battery grade lithium to customers for qualification. The facility is the last step before commercial expansion across the company's growing U.S. lithium footprint while advancing national goals around critical mineral security and supply chain resilience.

Currently, lithium refining is a choke point in the U.S. due to China controlling roughly 70–75% of global lithium chemical conversion capacity and deliberately suppressing margins, making it uneconomic for most non-Chinese converters to operate or reach investment decisions. As a result, even when lithium resources are available in the U.S. and allied countries, the lack of profitable, scaled domestic refining leaves the U.S. structurally dependent on China for battery-grade lithium chemicals.

Senator Ted Cruz recognized the company and their achievement in a statement, "Congratulations to EnergyX and its CEO Teague Egan on opening the first-of-its-kind lithium processing facility right here in Texas." He went on to say, "The lithium produced at Project Lonestar will help bolster U.S. energy security and defense readiness by supplying the critical materials needed for batteries used in critical military technology."

These dynamics underscore why Project Lonestar™ is both strategically and economically critical. By providing a scalable, cost-competitive domestic refining pathway, EnergyX directly addresses the U.S. lithium refining bottleneck, unlocking stranded resources, enabling downstream qualification with battery and cathode customers, and laying the foundation for commercial-scale deployment. In doing so the project positions EnergyX to rebalance the global lithium supply chain, reduce U.S. dependence on foreign-controlled conversion capacity, and accelerate the buildout of a secure, resilient domestic battery materials ecosystem.

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