



Ekosolve pilot plant where 95.6% lithium extraction was achieved on Pocitos Argentina salar brines

EKOSOLVE NEWSLETTER

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Ekosolve DLE News -

Ekosolve selected for 3,000 tonne demonstration plant at Mt Vernon Texas

Following the demonstration plant, a 45,000 tonne Lithium Carbonate plant will be built.

Ekosolve collects and regenerates 99.7% of its solvents used in the process

Lithium Co. News

Rio Tinto buys Arcadium for \$6.7Bill to access FMC DLE resin technology and three lithium projects.

USA

Environmental and Indigenous groups on Thursday (30 Oct 24) filed a lawsuit challenging the US Interior Department's approval of Loneer's Rhyolite Ridge lithium mine in Nevada.

HEADLINES

- **Ekosolve** appointed to build 3,000 tonne Lithium Carbonate demonstration Plant at Geoframe-Energy geothermal plant
- **Patagonia Lithium Ltd** (ASX:PL3) has decided to lodge a 1,000 tonne Ekosolve demonstration plant application for its Jama Project in Argentina.
- Before brine extraction in Arkansas USA can begin, prospective lithium producers must first satisfy a key procedural requirement outlined in Arkansas law -- establishing a **lithium extraction royalty**.
- **CATL** launched the **Lithium Sodium** Freevov Super Hybrid Battery, the world's first hybrid vehicle battery

Latest News

Arkansas chases royalties on lithium extracted from Brine in the Smackover Formation

Unlike Texas, companies are asking the Arkansas Oil and Gas Commission to approve their proposal for lithium royalties when they submitted an amended application to the commission Tuesday afternoon, which made changes that appeared to address some of the recommendations made by an administrative law judge earlier this month.

However, the amended application did not remove Albemarle -- one of the co-applicants which already produces bromine from brine in Columbia County and mines for lithium in other countries -- as a party. This was despite Moulton's recommendation that the company would not have standing, barring a determination from the commission that the state law governing royalties applies to Albemarle's voluntary production units.

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Patagonia Lithium's Formentera salar and well 4 being drilled which is now completed

\$6.7B Acquisition by Rio Tinto

[Arcadium Lithium](#), a company formed from a merger of Allkem and Livent, was created in January 2024 and has capacity of 75,000 tonnes per year of lithium carbonate equivalent (LCE) across all of its products.

It now manages Rincon Salar, Hombre Muerto, Cauchari and Olaroz salars. Geoframe-Energy LLC will challenge RIO in its phase 3 construction with 87,000 tonnes capacity.

Lithium Price stabilises increases by US\$140

Trading Economics reported a 1,000 CNY or US\$140 increase in the lithium price this week.

CATL Lithium Sodium batteries

On October 24, 2024, CATL launched the Freevoy Super Hybrid Battery, the world's first hybrid vehicle battery to achieve a pure electric range of over 400 kilometers and 4C superfast charging, heralding a new era for high-capacity EREV and PHEV batteries.

Lithium Supply

Brines will be 46% and hard rock only 39% is predicted by 2030 says Global Energy website.

Gigafactories in the USA on rise

In addition to the three Tesla battery factories in the USA already producing the United States has many other planned, under construction, or operational battery factories: Oneida Energy Storage, St. Thomas Battery Cell Gigafactory, NextStar Energy EV Battery Plant, Honda New Assembly Plant and Standalone Battery Facility, and Northvolt Battery Gigafactory.

US battery capacity pipeline has overtaken Europe's for the first time, as the Inflation Reduction Act (IRA) accelerates the country's clean energy transition.

A total of 436 gigawatt hours (GWh) of battery capacity has been added to the US pipeline since the IRA was passed, a jump of 57.9%, according to Benchmark's Gigafactory Assessment. The USA's battery capacity pipeline to 2031 now sits at 1,190 GWh. In comparison, Europe's battery capacity pipeline has increased only 3%, or 35 GWh, over the same period.

TESLA DELAYS

Tesla is seeing a delay in its lithium supply for next year as a North Carolina mining project from a new supplier is falling behind schedule. In order to help accelerate the transition to electric transportation, Tesla has become increasingly involved in the raw material supply chain for battery cells.

Despite only now starting the production of its own cells, the automaker has been securing the supply of lithium, nickel, cobalt, and other minerals for its battery cell suppliers.

Kia sets new October sales record in the US

Kia sold 69,908 vehicles in the US last month, up 16% from its previous October sales record in 2023. According to Kia, higher demand for its electric models is charging up sales in the US. Kia's electrified sales (EVs, PHEVs, and HEVs) reached its highest ever in October 24.

All-electric vehicles (EVs) led the way, with sales surging 70% year-over-year (YOY). Plug-in hybrid (PHEV) and hybrid (HEV) sales were up 65% and 49%, respectively, from October 2023. Kia's first dedicated electric model, the EV6, set a new October sales record with 1,941 units sold. Through the first ten months of 2024, Kia has now sold over 17,700 EV6 models in the US. Meanwhile, its first three-row electric SUV, the EV9, continues to defy expectations.