



# Green lithium battery

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Located in Atoka, Oklahoma, the first commercial-scale plant of its kind in North America will process unsorted battery waste or "black mass" from used lithium-ion batteries and produce sustainable, battery-grade cathode precursor, lithium, and anode materials, closing the EV recycling loop with the production done all in one plant.

Atoka, Okla., April 11, 2024 - Green Li-ion, a lithium-ion battery recycling technology company, announced the launch of its first commercial-scale installation to produce sustainable, battery-grade materials, the first of its kind in North America. The plant, located within an existing recycling facility, will produce valuable battery-grade cathode and anode materials from concentrated components of spent batteries using Green Li-ion's patented multi-cathode-producing GREEN HYDROREJUEVENATION™ technology.

"Green Li-ion's installation closes a critical gap in the North American battery recycling supply chain," said Leon Farrant, CEO and Co-Founder of Green Li-ion. "Electrification will require manufacturers to exert greater control over their critical mineral supplies. We aim to show American companies the benefits of a customizable and fully vertically integrated battery recycling solution when operating as part of an existing manufacturing process."

By onshoring black mass and battery waste processing with cathode and anode material production, battery manufacturers and recyclers can significantly reduce the cost and CO2 emissions impacts of their operations and supply chains. Provisions in the Inflation Reduction Act (IRA) have made domestic battery recycling even more attractive, thanks to tax credits for companies that manufacture batteries in the U.S. and credits for companies using recycled battery materials.

"Our plant in Atoka is a glimpse into the future of the battery recycling industry in North America," said Stephen Hayward, Vice President of Operations at Green Li-ion. "The Inflation Reduction Act and business-friendly policies in Oklahoma have spurred innovation, and the state is proving to be the center of the re-growing manufacturing industry in the U.S. We aim to show original equipment manufacturers, diversified industrials with a battery recycling business unit, and pure-play recyclers how working with Green Li-ion technology can help them capitalize on the trend toward electrification."

Carol Ervin said, "The Atoka City Industrial Development Authority is excited to include Green Li-ion



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as a valued community partner situated within our Atoka Heavy Industrial Park." The ACIDA Director continued, "By using local suppliers and vendors and working with the Technology Center, they have made a substantial contribution to the expansion of the private sector and job opportunities in Atoka."

Green Li-ion has developed technology to process lithium iron phosphate (LFP) batteries to extract battery-grade iron phosphate plus lithium and graphite. Currently, there are a limited number of lab/pilot-stage LFP battery recycling projects. LFP batteries are expected to outgrow other battery chemistries and represent a significant portion of the market by the next decade.

For more information, visit <https://>

BusinesWire:

<https://%E2%80%99s-First-Commercial-Scale-Plant-to-Produce-Recycled-Lithium-Ion-Engineered-Battery-Materials>

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