

US DOE selects Anthro Energy for \$24.9 million grant to build large-scale electrolyte production plant

01-Nov-2024 06:38 GMT

Amit Panday

S&P Global

Supply Chain and Technology, Automotive

Anthro Energy plans to use this grant to transform an existing manufacturing site into a state-of-the-art, 25-GWh production facility in Louisville, Kentucky

The US Energy Department's (DOE's) Office of Manufacturing and Energy Supply Chains (MESC) has selected Anthro Energy for a \$24.9 million grant to build an advanced electrolyte production facility, the company announced Oct. 23.



Source: Getty Images/Andrii Yalanskyi

The grant is part of the DOE's Bipartisan Infrastructure Law (BIL), which provides historic investments to modernize US infrastructure and foster clean energy innovation, including strengthening the domestic supply chain for advanced battery technologies.

Anthro said that it will use this grant to transform an existing manufacturing site into a state-of-the-art, 25-GWh production facility in Louisville, Kentucky. The facility will be capable of producing 12,000 metric tons of advanced electrolyte each year.

According to the company, this high-performance electrolyte is developed to significantly enhance the safety, lifespan and performance of modern lithium-ion battery (LIB) cells. Furthermore, the move is expected to accelerate the commercialization of innovative battery technologies, including silicon anodes and high-voltage cathodes in the US.

It further said that at full capacity, the facility will create 114 full-time jobs and 390 temporary construction jobs, providing significant economic benefits to Louisville and its surrounding communities. This project aligns with regional goals and has garnered strong local support, with endorsements from Congressman McGarvey and the Kentucky Cabinet of Economic Development.

Funded under the DOE's Advanced Energy Manufacturing and Recycling Grants Program, the project is part of a broader national effort to achieve net-zero carbon emissions by 2050 and build a resilient, equitable clean energy economy. The BIL, a once-in-a-generation investment in US infrastructure, aims to enhance US competitiveness, tackle the climate crisis, and ensure that economic and environmental benefits reach disadvantaged communities.

David Mackanic, CEO of Anthro Energy, said, "We are thrilled to be selected for this award, which represents a pivotal moment for both Anthro Energy and the future of the U.S. battery industry. Establishing the nation's first facility for domestic production of advanced electrolytes is a game-changer; it strengthens our energy independence, bolsters the battery supply chain, and propels us toward a clean energy economy. The support from the DOE and the state of Kentucky has been key in helping us realize this vision, as we continue to push the boundaries of sustainable energy innovation."

CONTACTS

The Americas

+1 877 863 1306

Europe, Middle East & Africa

+44 20 7176 1234

Asia-Pacific

+852 2533 3565

www.spglobal.com/mobility

Copyright © 2025 S&P Global Inc. All rights reserved.

These materials, including any software, data, processing technology, index data, ratings, credit-related analysis, research, model, software or other application or output described herein, or any part thereof (collectively the “Property”) constitute the proprietary and confidential information of S&P Global Inc its affiliates (each and together “S&P Global”) and/or its third party provider licensors. S&P Global on behalf of itself and its third-party licensors reserves all rights in and to the Property. These materials have been prepared solely for information purposes based upon information generally available to the public and from sources believed to be reliable.

Any copying, reproduction, reverse-engineering, modification, distribution, transmission or disclosure of the Property, in any form or by any means, is strictly prohibited without the prior written consent of S&P Global. The Property shall not be used for any unauthorized or unlawful purposes. S&P Global’s opinions, statements, estimates, projections, quotes and credit-related and other analyses are statements of opinion as of the date they are expressed and not statements of fact or recommendations to purchase, hold, or sell any securities or to make any investment decisions, and do not address the suitability of any security, and there is no obligation on S&P Global to update the foregoing or any other element of the Property. S&P Global may provide index data. Direct investment in an index is not possible. Exposure to an asset class represented by an index is available through investable instruments based on that index. The Property and its composition and content are subject to change without notice.

THE PROPERTY IS PROVIDED ON AN “AS IS” BASIS. NEITHER S&P GLOBAL NOR ANY THIRD PARTY PROVIDERS (TOGETHER, “S&P GLOBAL PARTIES”) MAKE ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE PROPERTY’S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE PROPERTY WILL OPERATE IN ANY SOFTWARE OR HARDWARE CONFIGURATION, NOR ANY WARRANTIES, EXPRESS OR IMPLIED, AS TO ITS ACCURACY, AVAILABILITY, COMPLETENESS OR TIMELINESS, OR TO THE RESULTS TO BE OBTAINED FROM THE USE OF THE PROPERTY. S&P GLOBAL PARTIES SHALL NOT IN ANY WAY BE LIABLE TO ANY RECIPIENT FOR ANY INACCURACIES, ERRORS OR OMISSIONS REGARDLESS OF THE CAUSE. Without limiting the foregoing, S&P Global Parties shall have no liability whatsoever to any recipient, whether in contract, in tort (including negligence), under warranty, under statute or otherwise, in respect of any loss or damage suffered by any recipient as a result of or in connection with the Property, or any course of action determined, by it or any third party, whether or not based on or relating to the Property. In no event shall S&P Global be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees or losses (including without limitation lost income or lost profits and opportunity costs or losses caused by negligence) in connection with any use of the Property even if advised of the possibility of such damages. The Property should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions.

The S&P Global logo is a registered trademark of S&P Global, and the trademarks of S&P Global used within this document or materials are protected by international laws. Any other names may be trademarks of their respective owners.

The inclusion of a link to an external website by S&P Global should not be understood to be an endorsement of that website or the website’s owners (or their products/services). S&P Global is not responsible for either the content or output of external websites. S&P Global keeps certain activities of its divisions separate from each other in order to preserve the independence and objectivity of their respective activities. As a result, certain divisions of S&P Global may have information that is not available to other S&P Global divisions. S&P Global has established policies and procedures to maintain the confidentiality of certain nonpublic information received in connection with each analytical process. S&P Global may receive compensation for its ratings and certain analyses, normally from issuers or underwriters of securities or from obligors. S&P Global reserves the right to disseminate its opinions and analyses. S&P Global Ratings’ public ratings and analyses are made available on its sites, www.spglobal.com/ratings (free of charge) and www.capitaliq.com (subscription), and may be distributed through other means, including via S&P Global publications and third party redistributors.