

5E Advanced Materials Targets Ferroboron to Support U.S. Mine-to-Magnet Supply Chain

5E Seeks to Collaborate with U.S. Magnet Producer to Solve Ferroboron Supply Gap

U.S. Supply Chains for Ferroboron are Import-Reliant with Significant Supply Chain Risk Tied to Chinese Manufacturing

HESPERIA, CA / ACCESS Newswire / February 5, 2026 / 5E Advanced Materials, Inc. (“5E” or the “Company”) (Nasdaq:FEAM) (ASX:5EA), a company focused on becoming a vertically integrated global leader and supplier of refined borates and advanced boron derivative materials, today announced that it targets future production of Ferroboron and the establishment of a secure, domestic supply chain utilizing upstream feedstock of boric acid produced from its Fort Cady site in California. Ferroboron is an iron-boron alloy used as a boron additive in specialty steel and as a boron source for neodymium-iron-boron (NdFeB) magnet alloy feedstock. NdFeB permanent magnets are essential components in high-efficiency electric motors, wind turbines, industrial automation and defense systems. Recent export controls and geopolitical friction have reinforced investors’ and customers’ focus on domestic magnet supply chains, where global manufacturing remains highly concentrated. The U.S. currently has no domestic production of ferroboron, creating a critical dependency within specialty steel and permanent magnet supply chains.

Key Takeaways:

- Advances 5E towards realizing its longer-term mission of providing higher value boron derivatives
- Targets a higher-value boron derivative (ferroboron), leveraging Fort Cady boric acid as upstream feedstock.
- Addresses a U.S. vulnerability: USGS has noted the U.S. does not produce ferroboron and relies on imports.
- Positions 5E to support domestic NdFeB magnet supply chains amid high global concentration in rare-earth magnets.

This initiative reflects 5E’s strategy to expand beyond commodity borates into higher-value derivative materials, potentially enhancing long-term revenue mix, strategic relevance, and customer integration.

“5E’s vision has always been to derivatize its upstream feedstock and transition down the value chain. Today the U.S. is import-reliant for ferroboron, a critical component in permanent magnet manufacturing,” said Paul Weibel, Chief Executive Officer. “While there has been an obvious need to reinforce the supply chains for rare earths and permanent magnets, the U.S. has a ferroboron deficiency and following engagement with U.S. magnet manufacturers, there is a clear demand and need for a reliable and vertical supply chain in the U.S. 5E has the capability and reliable upstream feedstock to serve that need.”

The Company has initiated structured evaluations of engineering pathways, capital requirements, and partnership frameworks. Any production timeline is subject to technical validation, commercial alignment, and financing.



About 5E Advanced Materials, Inc.

5E Advanced Materials, Inc. (Nasdaq: FEAM) (ASX:5EA) is focused on becoming a vertically integrated global leader and supplier of refined borates and advanced boron materials, complemented by calcium-based co-products, and potentially other by-products such as lithium carbonate. The Company's mission is to become a supplier of these critical materials to industries addressing global decarbonization, energy independence, food, national security, and the defense sector. The Company believes factors such as government regulation and incentives focused on domestic manufacturing and supply chains and capital investments across industries will drive demand for end-use applications like solar and wind energy infrastructure, neodymium-ferro-boron magnets, defense applications, lithium-ion batteries, and other critical material applications. The business is based on the Company's large domestic boron resource, which is located in Southern California and designated as Critical Infrastructure by the U.S. Department of Homeland Security, and boron was included on the U.S. Government's 2025 Critical Minerals List.

Forward Looking Statements

Statements in this press release may contain "forward-looking statements" that are subject to substantial risks and uncertainties. Forward-looking statements contained in this press release may be identified by the use of words such as "may," "will," "should," "expect," "plan," "anticipate," "could," "intend," "target," "project," "contemplate," "believe," "estimate," "predict," "potential" or "continue" or the negative of these terms or other similar expressions, and include, but are not limited to, statements regarding the Company's development plans, production capabilities, commercialization strategy, offtake discussions, customer qualification processes and success thereof, market demand for boron and lithium, the potential applications of its products across energy, defense, agriculture and industrial markets, and ability to access and secure any government-based financing. Any forward-looking statements are based on 5E's current expectations, forecasts, and assumptions and are subject to a number of risks and uncertainties that could cause actual outcomes and results to differ materially and adversely from those set forth in or implied by such forward-looking statements. These risks and uncertainties include, but are not limited to, statements regarding the Company's development plans, production capabilities, commercialization strategy, offtake discussions, customer qualification processes, market demand for boron and lithium, and potential applications of its products across energy, defense, and industrial markets, and ability to access and secure any government-based financing. For a discussion of other risks and uncertainties, and other important factors, any of which could cause our actual results to differ from those contained in the forward-looking statements, see the section entitled "Risk Factors" in 5E's most recent Annual Report on Form 10-K and its other reports filed with the SEC. Forward-looking statements contained in this announcement are based on information available to 5E as of the date hereof and are made only as of the date of this release. 5E undertakes no obligation to update such information except as required under applicable law. These forward-looking statements should not be relied upon as representing 5E's views as of any date subsequent to the date of this press release. In light of the foregoing, investors are urged not to rely on any forward-looking statement in reaching any conclusion or making any investment decision about any securities of 5E.



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