

Selection Announcement for Areas of Interest 5.

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The Department of Energy (DOE) has completed the selection process for AOI 5 of FOA DE-FOA-0003105, and the following applications have been selected for award negotiations.

- CorePower Magnetics (Pittsburgh, Pennsylvania) plans to develop and prototype a high-performance rare earth element-free electric motor, evaluating and comparing several rare earth element-free permanent-magnet technologies for performance and production readiness.
- Giner, Inc. (Auburndale, Massachusetts) plans to develop lower-cost rechargeable batteries for electric vehicle applications, relying on domestically available supplies of manganese, iron, titanium, and magnesium and reducing the use of elements such as copper or nickel.
- Ohio University (Athens, Ohio) plans to develop coal and waste coal-derived hard carbon anodes that, when coupled with domestically sourced cathode materials, will result in a next-generation high performance sodium-ion battery—a promising lower-cost alternative to lithium-ion batteries, which require key critical materials that are largely sourced from outside the United States.
- Semplastics (Oviedo, Florida) plans to use low-cost coal feedstocks to develop an alternative anode active product to serve as a battery-grade graphite substitute in lithium-ion batteries, helping improve the domestic availability of key components in grid storage batteries.
- University of Tennessee (Knoxville, Tennessee) plans to develop a rechargeable alkaline-manganese dioxide battery, focusing on environmentally friendly, neutral electrolytes and using minerals with robust supply chains in the United States as an alternative technology to lithium-ion batteries, which require key critical materials that are largely sourced from outside the United States.
- Worcester Polytechnic Institute (Worcester, Massachusetts) plans to develop an approach to convert pure or mixed nickel-lean polycrystal cathode materials to nickel-rich single crystal cathode materials.

Selected applicants will receive a Successful Applicant Letter from personnel at the National Energy Technology Laboratory (NETL), who will conduct the award negotiations and administer the resulting agreements.

This notice also serves as the unsuccessful notification for AOI 5 applicants who were not selected. The DOE thanks you for submitting your funding application to FOA 3105-AOI5. We appreciate the time and effort you invested in preparing your proposal. After a thorough review, we regret to inform you that your application was not selected for funding at this time. The selection process was highly competitive, and many strong proposals were received. FOA 3105

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was the first funding opportunity from BIL section 41003 (c) calling for investing appropriations of \$600 million for the Critical Material Innovation, Efficiency, and Alternatives research, development, and demonstration program to: develop alternatives to critical materials that do not occur in significant abundance in the United States; promote the efficient production, use, and recycling of critical materials, with special consideration for domestic critical materials, throughout the supply chain; ensure the long-term, secure, and sustainable supply of critical materials; and prioritize work in areas that the private sector by itself is not likely to undertake due to financial or technical limitations. In the event FECM issues a similar solicitation in the future, we would encourage you to apply again for that future funding opportunity. Thank you again for your application.

The remaining AOIs are still under merit review: 1A&B, 2A&B, and 3.