

October 27, 2023

Dear Reader:

The U.S. Department of Energy (DOE) National Energy Technology Laboratory (NETL) proposes to provide cost-shared funding to 6K, Inc. for its planned Plasma Low-cost Ultra Sustainable Cathode Active Material (PLUS CAM) in Jackson, Madison County, Tennessee. The Draft Environmental Assessment (Draft EA) can also be found on DOE's National Energy Technology Laboratory (NETL) website at <https://netl.doe.gov/node/6939> or the DOE website at <https://www.energy.gov/nepa/doe-environmental-assessments>

DOE prepared the Draft EA in accordance with the Council on Environmental Quality's National Environmental Policy Act (NEPA) implementing regulations (40 CFR Parts 1500-1508) and DOE's NEPA implementing procedures (10 CFR Part 1021). It evaluates the potential environmental impacts of DOE's providing financial assistance to 6K, Inc. (6K) under the 2021 Infrastructure Investment and Jobs Act, more commonly known as the Bipartisan Infrastructure Law. The objective for 6K, Inc's Plasma Low-Cost Ultra Sustainable Cathode Active Materials (PLUS CAM) is to demonstrate the ability to domestically produce NMC811 using 6K Plasma Processing technology more cost effectively and sustainably (zero waste, 10% of water usage, and 70% less energy) vs traditional methods of producing NMC. In the same plant, 6K will produce a different cathode active material, such as LFP, creating a multi-chemistry cathode production plant. A secondary objective is to demonstrate the ability to control 6K's feedstock sources domestically including the use of end-of-life batteries as feedstock and digestion of 6K's own metals. The Draft EA evaluates the resource areas DOE commonly addresses in EAs.

The Draft EA evaluates the resource areas DOE commonly addresses in EAs and identified no significant adverse environmental impacts from DOE's proposed action or 6K's proposed project. Plasma Low-cost Ultra Sustainable Cathode Active Material (PLUS CAM) supports sourcing of battery materials for electric vehicles within the U.S. and will reduce dependence on foreign material suppliers.

A Notice of Availability will be published in the Jackson Sun newspaper on October 29, 2023 to announce the beginning of a 30-day public review and comment period. As stated in the notice, comments should be marked "6K, Inc. Draft EA Comments" and sent to:

Mr. Harry Taylor
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National Energy Technology Laboratory
3610 Collins Ferry Road
Morgantown, WV 26505
Email: harry.taylor@netl.doe.gov
Telephone: 304.285.5091

Individual names and addresses, including email addresses, received as part of the comment documents normally are considered part of the public record. Persons wishing to withhold

names, addresses, or other identifying information from the public record must state this request prominently at the beginning of their comments. DOE will honor this request to the extent allowed by law. All submissions from organizations, businesses, and from individuals identifying themselves as representatives or officials of organizations or businesses will be included in the public record and open to public inspection in their entirety.

The public comment period ends on November 28, 2023. DOE will consider late submissions to the extent practicable. To request a hard copy of the Draft EA, please submit your request along with the physical address using the contact information above. For additional information, please contact me using my contact information, or call me at 304.285.5091.

Sincerely,

A handwritten signature in blue ink, appearing to read "H. E. Taylor".

Harry E. Taylor, P.E.
NEPA Compliance Officer
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