

Commercialization

PROJECT NAME: Phase 3 Expansion of Syrah's Commercial-Scale Natural Graphite Active Anode Material Facility in Vidalia, Louisiana

APPLICANT: Syrah Technologies LLC

Federal Cost Share: \$219,820,610

Recipient Cost Share: \$224,996,240

Supply Chain Segment: Materials Separation & Processing (Anode Materials)

Project Description:

Syrah's Vidalia facility is a USA-based integrated milling, purification, coating and surface treatment operation that is producing on-specification active anode material (AAM), using natural graphite from Balama graphite operation in Mozambique. A final investment decision on the expansion of Vidalia's capacity to approximately 11,250 metric tons per annum (tpa) AAM was taken in February 2022. Construction of the 11,250tpa AAM facility is underway with start of production scheduled for the third quarter of 2023. This project ("Phase 3 Expansion") will expand the production capacity of the Vidalia AAM facility from 11,250tpa to at least 45,000tpa AAM.

Upon start of production of the 11,250tpa facility, Syrah's Vidalia facility will be the only vertically integrated and large-scale natural graphite AAM producer outside China and the first large-scale natural graphite AAM producer in the USA. In 2026, USA-based lithium-ion battery manufacturing capacity is forecast to be almost 600GWh, which is estimated to require over 500,000 tpa graphite-based AAM.

Community Benefits:

Expansion of Syrah's Vidalia AAM facility will provide significant, localized AAM supply with a fully ESG auditable, single chain of custody back to the source, materially reducing the USA's dependency on, and cost vulnerabilities of, imported AAM supply, and is aligned with Executive Order 13953 and 14017. Vidalia's expansion is supported by tier 1 customers with large-scale lithium-ion battery and electric vehicle manufacturing positions in the USA. The initial expansion of Vidalia's production capacity will add 101 jobs and the Phase 3 Expansion is expected to add 120 jobs in Louisiana

