

# Securing the Critical Battery Materials Supply Chain in Alabama

in partnership with the Alabama Mobility and Power Center

September 11, 2025



The Southeast United States is emerging as a national hub for battery manufacturing and the related supply chain, and is propelling the nation to a globally competitive player in the industry. With continued private and public sector support, this industry will bolster the energy, mobility, and defense sectors crucial to U.S. global economic competitiveness, grid reliability, and national security. To explore this opportunity, C2ES will convene key stakeholders across the region to develop approaches to accelerate the expansion of this regional industry through supportive state and federal policies, creative partnerships, entrepreneurship and innovation, and capital investment. This series builds upon a regional kickoff event hosted in Knoxville, Tennessee on May 15, 2025.

## SOUTHEAST REGIONAL SERIES

Through our [Regional Roundtable Program](#), C2ES proposes a multi-year effort to support the development of the critical materials supply chain in the southeast United States, with a focus on identifying and filling gaps in the battery supply chain across materials extraction, processing, and cell manufacturing. This effort will culminate in 2026 with a regional policy roadmap including recommendations to Congress and state legislators that can put the United States on a path to leadership in the global industry in the coming decade. Particular focus will be on essential inputs for lithium-ion batteries in electric vehicles and stationary storage, such as lithium, nickel, graphite, copper, aluminum, cobalt, and manganese. Priority states include **Alabama, Georgia, North Carolina, South Carolina** and **Tennessee**. Ultimately, the initiative will aim to produce federal and state policy recommendations, collaborative private sector initiatives, and cutting-edge research to make the case for the development of a regional hub for battery and inputs and manufacturing that supports local economic development.

## Alabama

With opportunities for mineral extraction and refining, battery and electric vehicle production, and leading research and workforce development institutions, Alabama has a crucial role to play in the development of a domestic critical materials supply chain. On **September 11, 2025**, C2ES and the Alabama Mobility and Power Center will host a full-day regional roundtable event to highlight local business and academic leadership, identify focus areas for in-depth research and policy development, and collaboratively generate policy and programmatic solutions to pressing challenges. This event will bring together stakeholders including: businesses of all sizes, state and local policymakers, academic experts and leading researchers, economic development organizations, nonprofits, and other public- and private-sector partners.

## Proposed topics for discussion

*Subject to change pending input from participants.*

- Opportunities to develop critical minerals extraction & refining capacity
- Economic development strategies to attract the battery supply chain
- Workforce development for the critical materials supply chain
- Bridging gaps from pilot to commercialization of innovative technologies

## How to get involved

- Schedule an introductory call with the C2ES team [here](#).
- Questions? Email Peter Trousdale at [trousdalep@c2es.org](mailto:trousdalep@c2es.org).
- Explore the outcomes from our May 15<sup>th</sup> regional kickoff in Knoxville, Tennessee [here](#).