



FY2021 in Review

The [Federal Consortium for Advanced Batteries](#) was established in September 2020 to accelerate the development of a robust and secure domestic industrial base for advanced batteries. Since its inception the Consortium has brought together over 40 offices within the Federal agencies that have a stake in establishing a domestic supply of lithium batteries to discuss barriers and challenges and work harmoniously in addressing them. Since its existence, FCAB and its members have engaged stakeholders from various parts of the supply chain to learn more about their investments in the U.S.

During FCAB's initial year, the Consortium has released several products to support the domestic industrial base. The first document is the [National Blueprint for Lithium Batteries](#). The Blueprint will help guide investments to develop a domestic lithium-battery manufacturing value chain that creates equitable clean-energy manufacturing jobs in America while helping to mitigate climate change impacts. The Blueprint lays out five goals, each centered around a different component of the supply chain. The goals will guide much of the Consortium's work in future years and provides the industry with reassurance of a national commitment to the establishment of the domestic supply chain.

The second accomplishment was a report released by The White House, titled [Building Resilient Supply Chains, Revitalizing American Manufacturing, and Fostering Broad-Based Growth Report](#). The report was written in response to [Executive Order 14017](#). The Consortium members played a critical role in the development of the chapter titled, Review of Large Capacity Batteries. This chapter provides recommendations and outlines the scope of public investments required to secure lithium battery supply chains and U.S. competitiveness. The Blueprint and the Executive

Order response were both coordinated and complimentary. The left column in table below shows the top-level policy recommendations in the Executive Order report. The overarching goals of the Blueprint are listed on the top and to the right. The stars indicate where there is synergy between the two documents.

Policy Recommendations from EO 14017 Report	FCAB Blueprint Goals				
	1 Minerals & Refining	2 Battery Materials	3 Cell & Pack	4 Reuse & recycling	5 Innovation & Workforce
• Stimulate market demand for end products using domestically manufactured high-capacity batteries	★	★	★	★	
• Strengthen responsibly-sourced supplies for key advanced battery minerals	★			★	
• Promote sustainable domestic battery materials, cell, and pack production		★	★		
• Invest in the people and innovations that are central to maintaining a competitive edge	★	★	★		★

Recognizing the role of government as early adopters of battery technology and its diverse set of requirements, the FCAB members set out to provide a common set of parameters which would apply to numerous government battery customers. The aim of these common sets of parameters is to facilitate and accelerate technology transfer of key concepts related to cell design, materials development and innovations in other areas related to advanced batteries. This guiding document is the [FCAB Pre-application Battery Test Manual](#). It is based on broad technical needs across multiple applications and is developed to provide federal sponsors and battery end users more common sets of data for pre-application purposes.

Much remains to be done to take full advantage of our core expertise and develop U.S. leadership in the advanced battery space. In future years, the FCAB will develop plans and metrics around the Blueprint goals and Executive Order Report recommendations, consider actions and funding relevant to these goals and recommendations, and uncover areas where federal government actions can support the development of a robust and secure domestic supply of advanced batteries.