UNIVERSITY OF ALABAMA SYSTEM
BOARD RULE 415
BOARD SUBMITTAL CHECKLIST CRITERIA

BOARD SUBMITTAL CHECKLIST NO. 1
CAPITAL PROJECT - STAGE I SUBMITTAL /1
(General Project Information)

CAMPUS: The University of Alabama, Tuscaloosa, Alabama

PROJECT NAME: AIME Renovations for AMP Battery Research Center

MEETING DATE: September 5, 2024

- ☑ 1. Board Submittal Checklist No. 1
- ☑ 2. Transmittal Letter to Chancellor from Campus President requesting project be placed on the agendas for the forthcoming Physical Properties Committee and Board of Trustees (or Executive Committee) Meetings
- ☑ 3. Proposed Board Resolution requesting approval of Stage I Submittal by the Board of Trustees
- ☑ 4. Executive Summary – Proposed Capital Project /2
- ☑ 5. Supplemental Project Information Worksheet – Exhibit "K", Board Rule 415
- ☑ 6. Campus map(s) showing project site

Prepared by: Tommy Alfano

Approved by: Tim Leopard

7/31/24

/1 Reference Tab 3F – Board Rule 415 Instructional Guide
/2 Reference Tab 3E – Board Rule 415 Instructional Guide

THE UNIVERSITY OF ALABAMA® | Office of the President

August 1, 2024

Interim Chancellor Sid J. Trant
The University of Alabama System
500 University Boulevard East
Tuscaloosa, Alabama 35401

Dear Interim Chancellor Sid Trant:

I am pleased to send to you for approval under Board Rule 415 the attached documents for a Stage I submittal for the AIME Renovations for AMP Battery Research Center project.

The resolution requests authorization to establish a preliminary project scope, budget, and funding, as stipulated.

The item has been thoroughly reviewed and has my endorsement. With your concurrence, I ask that it be added to the agenda for The Board of Trustees at their regular meeting on September 5, 2024.

Sincerely,

Stuart R. Bell
President

Enclosure

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THE UNIVERSITY OF ALABAMA

Approving the preliminary project scope and budget for the AIME Renovations for AMP Battery Research Center project

RESOLUTION

WHEREAS, in accordance with Board Rule 415, The University of Alabama ("University") is requesting approval of a Stage I submittal for the AIME Renovations for AMP Battery Research Center project. ("AMP BRC") project ("Project") to be located at 720 2nd Street; and

WHEREAS, the proposed Project entails renovation of approximately 6,000 square feet within the 1st floor of the Alabama Innovation & Mentoring of Entrepreneurs Building ("AIME") and will create a state-of-the-art battery research laboratory facility featuring a new pilot line laboratory for pouch, prismatic, and cylindrical cell production; and

WHEREAS, the renovated facility will include dedicated areas for materials and chemical receiving, as well as office and storage spaces to support research activities; and

WHEREAS, through this Project the University will acquire advanced, multi-scale, multi-disciplinary equipment designed for next-generation battery research and education and will provide a facility that will significantly enhance the University's capabilities in battery technology, foster innovation and provide unparalleled educational opportunities for students and researchers; and

WHEREAS, the Project includes the purchase of AMP BRC equipment and will provide an appropriate environment for operation thereof; and

WHEREAS, the Project location and program have been reviewed and are consistent with the University Campus Master Plan, University Design Standards and the principles contained therein; and

WHEREAS, the Project will be funded from Education Trust Fund Supplemental Appropriations allocated in HB 144, as allocated by the Board of Trustees of the University of Alabama, in the amount of $15,000,000 and will eliminate deferred maintenance liabilities in the amount of $1,600,000; and

WHEREAS, the preliminary budget for the Project is as stipulated below:

BUDGET		**PRELIMINARY**
Construction	$	4,660,500
Owner Furnished Contractor Installed (OFCI) Equipment	$	7,000,000
Furniture, Fixtures and Equipment	$	150,000
Security/Access Control	$	45,000
Telecommunication/Data	$	50,000
Contingency[1] (10%)	$	1,166,050
UA Project Management Fee[2] (4.5%)	$	577,195
Architect/Engineer Fee[3] (~7.2%)	$	839,556
Other[4]	$	145,845
Escalation[5]	$	365,854
TOTAL PROJECT COST	**$**	**15,000,000**

[1]Contingency is based on 10% of the cost of Construction and OFCI Equipment.
[2]UA Project Management Fee is based on 4.5% of Construction, OFCI Equipment, and Contingency.
[3]Architect/Engineer Fee is based on 6.0% of the cost of Construction and OFCI Equipment plus 20% renovation factor.
[4]Other expenses include Geotech, Construction Materials Testing, Inspections, Advertising, Printing, and other associated project costs, as applicable.
[5]Escalation is currently based on an anticipated 0.5% inflation per month. Therefore, escalation is calculated on a 2.5% basis for this project based on the anticipated bid date of February 2025 as included in the Project Status.

NOW, THEREFORE, BE IT RESOLVED by The Board of Trustees of The University of Alabama that:

1. The Stage I submittal package for the Project is hereby approved.

2. The preliminary Project scope, budget, and funding, as stipulated above, are hereby approved.

EXECUTIVE SUMMARY

PROPOSED CAPITAL PROJECT

BOARD OF TRUSTEES SUBMITTAL

MEETING DATE:	September 5, 2024
CAMPUS:	The University of Alabama, Tuscaloosa, Alabama
PROJECT NAME:	AIME Renovations for AMP Battery Research Center (AMP BRC)
PROJECT NUMBER:	252-23-3362
PROJECT LOCATION:	720 2nd St
ARCHITECT:	To Be Determined

THIS SUBMITTAL:	**PREVIOUS APPROVALS:**
☒ Stage I	
☐ Stage II Waiver	
☐ Campus Master Plan Amendment	
☐ Stage III	
☐ Stage IV	

PROJECT TYPE	**SPACE CATEGORIES**	**PERCENTAGE**	**GSF**
☐ Building Construction	Classroom Facilities	~ 0%	0
☐Building Addition	Laboratory Facilities	~ 62%	3,882
☒Building Renovation	Office Facilities	~26%	1,604
☒Equipment	Study Facilities	~ 0%	0
	Special Use Facilities	~ 12%	742
	General Use Facilities	~0%	0
	Central Service/ Support	~ 0%	0
	Circulation Area	~0%	0
	Building Service Area	~ 0%	0
	Mechanical Area	~0%	0
	TOTAL	**100%**	**6,228**

BUDGET		PRELIMINARY
Construction	$	4,660,500
Owner Furnished Contractor Installed (OFCI) Equipment	$	7,000,000
Furniture, Fixtures and Equipment	$	150,000
Security/Access Control	$	45,000
Telecommunication/Data	$	50,000
Contingency[1] (10%)	$	1,166,050
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Architect/Engineer Fee[3] (~7.2%)	$	839,556
Other[4]	$	145,845
Escalation[5]	$	365,854
TOTAL PROJECT COST	**$**	**15,000,000**
Total Construction Cost per square foot $2,059		

[1]Contingency is based on 10% of the cost of Construction and OFCI Equipment.
[2]UA Project Management Fee is based on 4.5% of Construction, OFCI Equipment, and Contingency.
[3]Architect/Engineer Fee is based on 6.0% of the cost of Construction and OFCI Equipment plus 20% renovation factor.
[4]Other expenses include Geotech, Construction Materials Testing, Inspections, Advertising, Printing, and other associated project costs, as applicable.
[5] Escalation is currently based on an anticipated 0.5% inflation per month. Therefore, escalation is calculated on a 2.5% basis for this project based on the anticipated bid date of February 2025 as included in the Project Status.

ESTIMATED ANNUAL OPERATING AND MAINTENANCE (O&M) COSTS:

(Utilities, Housekeeping, Maintenance, Insurance, Other)

6,228 sf x ~$9.95/sf	$	61,981
Total Estimated Annual O&M Costs:	$	**61,981**

FUNDING SOURCE:

	Education Trust Fund Supplemental Appropriations	$ 15,000,000
O&M Costs:	University Annual Operating Funds	$ 61,981

NEW EQUIPMENT REQUIRED

Specialized Battery Research Equipment: **Electrode Line Equipment, Pouch Cell Assembly Equipment, Pouch Cell Formation Equipment, Electrode Preparation Equipment, Cylindrical Cell Assembly Equipment, Cylindrical Cell Formation Equipment, Battery Testing Equipment, Battery Characterization Equipment.**

Total Equipment Costs: $7,000,000

PROJECT SCOPE:

The AIME Renovations for AMP Battery Research Center (AMP BRC) project at The University of Alabama involves the renovation of approximately 6,000 square feet within the Alabama Innovation & Mentoring of Entrepreneurs Building ("AIME"), located at 720 2nd Street. This project will create a state-of-the-art facility featuring a new pilot line laboratory for pouch, prismatic, and cylindrical cell production. Also, the renovated space will include dedicated areas for materials and chemical receiving, and office and storage spaces to support research activities. The project also encompasses the acquisition of advanced, multi-scale, multi-disciplinary equipment designed for next-generation battery research and education. This facility will significantly enhance the university's capabilities in battery technology, fostering innovation and providing unparalleled educational opportunities for students and researchers.

PROJECT STATUS

SCHEMATIC DESIGN:	Date Initiated	November 2024
	% Complete	0%
	Date Completed	November 2024
PRELIMINARY DESIGN:	Date Initiated	December 2024
	% Complete	0%
	Date Completed	January 2025
CONSTRUCTION DOCUMENTS:	Date Initiated	January 2025
	% Complete	0%
	Date Completed	March 2025
SCHEDULED BID DATE:		March 2025

**N/A on Stage I Projects*

RELATIONSHIP AND ENHANCEMENT OF CAMPUS PROGRAMS

As a one-stop shop for the deployment of battery and energy storage technologies at scale, the AMP BRC will significantly enhance The University of Alabama's campus programs. What's unique about the facility is its integrated, interdisciplinary, multi-scale approach. By incorporating state-of-the-art instrumentation across all facets of the battery supply chain, the AMP BRC will enable research and development activities that holistically address the battery ecosystem from raw materials production (upstream), materials processing and cell manufacturing (midstream), to module and pack manufacturing and end-of-life recycling and reuse (downstream). In the US, this facility will be the first of its kind. Above and beyond its direct scientific contribution, the AMP BRC will enhance campus programs in the following ways:

1. **Enrichment of Academic Curriculum**: The new laboratory will provide advanced facilities and cutting-edge equipment, directly benefiting academic programs in engineering, materials science, environmental science, and related fields. Students will have access to state-of-the-art resources for hands-on learning and experimentation, integrating theoretical knowledge with practical applications. This experiential learning approach will deepen their understanding and skills, preparing them for future careers in battery technology and energy storage.
2. **Expansion of Research Opportunities**: The AMP BRC will create a dedicated space for faculty and students to engage in innovative research projects. It will support interdisciplinary collaboration, allowing for joint projects between departments such as chemistry, physics, and engineering. The lab's advanced instrumentation will enable groundbreaking research into battery materials, manufacturing processes, and sustainability, positioning UA as a leader in this critical field.
3. **Workforce Development**: The laboratory will serve as a training ground for the next generation of scientists, engineers, and technicians. By offering specialized training and research opportunities, the lab will help students develop the technical expertise and practical skills needed to excel in the battery industry. This aligns with the university's goal of fostering workforce development and ensuring that graduates are well-prepared to meet the demands of a rapidly evolving job market.
4. **Industry Collaboration and Partnerships**: The lab will facilitate stronger ties between the university and industry partners. Through collaborative research projects, internships, and co-op programs, students will gain valuable industry experience and exposure to real-world challenges. These partnerships will also enhance the university's ability to attract research funding, grants, and investments, further supporting campus programs and initiatives.
5. **Support for Sustainability Initiatives**: The focus on battery research and energy storage technologies aligns with the university's commitment to sustainability. The lab will contribute to the development of sustainable energy solutions, promoting research that addresses environmental challenges such as renewable energy integration, energy efficiency, and carbon reduction. This will not only enhance campus programs related to sustainability but also position the university as a leader in addressing global environmental issues.
6. **Enhanced Learning Environment**: Finally, adding the AMP BRC will improve the overall learning environment on campus. It will provide students and faculty access to the latest technology and resources, fostering a culture of innovation and excellence. This will attract top-tier students and researchers, enhancing the university's reputation and academic standing.

In summary, the planned AIME Renovations for AMP Battery Research Center project will enrich the academic curriculum, expand research opportunities, promote workforce development, strengthen industry collaborations, support sustainability initiatives, and improve the overall learning environment.

Attachment K to Board Rule 415

Supplemental Project Information Worksheet
Annual Capital Development Plan

FY: 2023 – 2024

Project Name:	AIME Renovations for AMP Battery Research Center
Project Address/Location:	720 2nd St.
University Project #:	252-23-3362
Campus:	The University of Alabama, Tuscaloosa, AL

1. Will this Project increase the current space inventory on campus or replace existing space?

☐ increase space inventory	_____	% increase	_____	GSF
☐ replace space inventory	_____	% replacement	_____	GSF
☒ renovation of existing space only			6,228	GSF

2. If this Project will replace existing space inventory, how will vacated space be utilized or assigned after this Project is completed?

Comments:
NA

3. Is the proposed Project location consistent with the Campus Master Plan and University Design Standards and the principles contained therein?

☒ Yes ☐ No, A Campus Master Plan Amendment Is Required

If Campus Master Plan amendment required, explain:

4. Provide information on classification of new space provided by this Project and latest utilization data on similar type space on campus.

Proposed New Space/Facilities					
Classification		Number (Spaces/Rooms)	Capacity (Persons)	Area (GSF)	Existing Space Utilization Data (See Notations)
100	**Classroom Facilities**				
200	**Laboratory Facilities**				
	250 Research/Non-class Laboratory	1	Varies	3882	
300	**Office Facilities**				
	310 Office	1	Varies	1604	
400	**Study Facilities**				
500	**Special Use Facilities**				
600	**General Use Facilities**				
700	**Support Facilities**				
	760 Hazardous Materials Storage	1	Varies	742	
800	**Health Care Facilities**				
900	**Residential Facilities**				
000	**Unclassified Facilities**				
WWW	**Circulation Area**				
XXX	**Building Service Area**				
YYY	**Mechanical Area**				

Data reported on latest fiscal year data available.
Utilization factor based on Scheduled Operating Hours at each Campus – outlined below in notations.

Comments/Notations:
Adapted reuse of existing square footage to accommodate the Battery Research Lab.

5. How will this Project enhance existing/new programs and undergraduate/graduate enrollments?

Estimated new Funds from Tuition/Programs **$** TBD Yr.

Comments:
The AMP Battery Research Center project will enhance existing and new academic programs by integrating advanced research and practical experiences into the curriculum, fostering interdisciplinary collaboration, and strengthening industry partnerships. This, in turn, will boost undergraduate and graduate enrollments by attracting top talent, providing a competitive advantage, enhancing career opportunities, supporting graduate research, and engaging the community.

6. Has a facility user group been established to provide input for planning, programming, and design purposes? ☒ Yes ☐ In-Progress

If yes, list key members of user group: Yes. In-Progress
Michael Oatridge, Executive Director, Alabama Mobility and Power Center
Michael Malley, Manager of Strategic Research Partnerships, Alabama Mobility and Power Center, Alabama Transportation Institute
Brad Whisenant, Manager of Consortium Development, Alabama Mobility and Power Center
Tommy Alfano, UA Project Manager
Jaber Abu-Qahouq, Professor of Electrical and Computer Engineering
Greg Thompson, Executive Director and Professor, Alabama Materials Institute, Metallurgical & Materials Engineering
Shanlin Pan, Professor, Chemistry and Biochemistry
H. Hohyun Sun, Assistant Professor, Chemical and Biological Engineering
Krishna Shah, Assistant Professor, Mechanical Engineering

7. Source(s) of funding for Total Project Development Costs.

Source(s)	New Funds (FY_____)	Reserves	Status /7
Tuition			
Student Fees			
Investment Income			
Auxiliary Income • External • Internal			
Education Sales/Services • External • Internal			
Direct Grants			
Gifts			
Bonds			
Existing Net Assets			
Education Trust Fund Supplemental Appropriations	$15,000,000		Pending
Totals	**$15,000,000**		**Pending**

/7 Approved, allocated, pending

Comments:
Education Trust Fund Supplemental Appropriation – HB 144

8. Estimate of operations and maintenance (O&M) costs for the initial occupancy year and projections for succeeding five (5) year period.

Operations and Maintenance (O&M) Annual Costs Projections

Expense	FY 2022 Base Data /8	First Full /YR Occupancy FY_2026	Successive Five (5) Year Projections /9
Maintenance	$ 8,627	$11,204	$68,438
Elevator Service	$0	$0	$0
Building Repairs	$2,876	$3,735	$22,813
Building Services	$0	$0	$0
Electric, Natural Gas, Steam	$13,268	$17,227	$105,235
Chilled Water	$9,398	$12,204	$74,546
Water and Sewer	$720	$936	$5,715
Insurance	$911	$1,183	$7,224
Safety Support	$604	$784	$4,790
Operations Staff Support Funding	$116	$150	$919
Other – Custodial	$11,210	$14,558	$88,924
Totals	**$47,730**	**$61,981**	**$378,604**

/8 Latest Fiscal Year Data used as Base Year for Projections
/9 Combined Costs for next Five (5) Years of Occupancy

Comments:
Data was obtained from the following University Departments: Energy Management, Electrical Maintenance, Facilities Management, Environmental Health and Safety, and Risk Management.

9. **Source of funds for projected ongoing operations and maintenance (O&M) costs for this project.**

Source(s)	Occupancy Yr /9 (FY _____)	Future Years /10	Status /7
Tuition			
Student Fees			
Investment Income			
Auxiliary Income • External • Internal			
Educational Sales & Services • External • Internal	$61,981	$378,604	Pending
Direct Grant(s)			
Reallocated Funds /11			
Gifts			
Other			
Total/YR	**$61,981**	**$378,604**	**Pending**

/9 Initial Full Yr of Occupancy
/10 Next Five (5) Yrs Occupancy
/11 Funds Reallocated from other sources
/7 Approved, allocated, pending

Comments:
The ongoing operations and maintenance (O&M) costs for the AMP Battery Research Center project will be funded through a combination of sources. These include research grants and contracts from federal and state agencies, industry partnerships (through AMP consortium fees), and private sector investments. Revenue generated from collaborative projects, training programs, and commercialization of research outcomes will also contribute to covering O&M expenses, ensuring the lab's sustainability and continuous operation.

10. Are development expenditures for this Project being used to reduce the current deferred maintenance/facilities renewal liabilities for the Campus?

$ 1,600,000 **11** % of Total Development Costs

Comments:
The Project will eliminate $1,600,000 of current deferred maintenance liabilities.

11. What other development alternatives were considered in the planning process for this Project? /13

/13 Renovation vs. new construction, adaptive reuse of underutilized buildings, etc.

Comments:
The project team considered several development alternatives to ensure the facility would meet the current and future needs of researchers and industry partners. These alternatives included renovation, new construction, adaptive reuse of underutilized buildings off-campus, and integration with remote research infrastructures. Each of these alternatives were carefully evaluated based on criteria such as cost, time, scalability, potential for collaboration, and alignment with the University's strategic goals. For many reasons, it was determined that repurposing and upgrading the existing AIME Building on campus would best support the University's mission of advancing battery research and fostering innovation. In addition to minimizing cost and time, this location places the AMP Battery Research Center in close proximity to UA's engineering quad and the Smart Communities Innovation Building, which is critically important for accessibility and integration with relevant research infrastructures such as AMP's Power Research Laboratory and the Alabama Materials Institute.

12. Explain how the project will promote adequacy of campus facilities in relation to the University's Mission and scope of programs and/or services:

Comments:
The planned AMP Battery Research Center project will significantly enhance the adequacy of campus facilities in several ways, directly aligning with UA's mission and the scope of its programs and services:

1. **Advancement of Research and Innovation**: The AMP Battery Research Center will provide state-of-the-art facilities for cutting-edge research in battery technology, aligning with the University's mission to foster innovation and scientific advancement. This will enable faculty and students to engage in high-impact research that can lead to breakthroughs in energy storage and electric vehicles.
2. **Support for Academic Programs**: By offering specialized lab space and equipment, the new facility will support a range of academic programs, particularly in engineering and materials science. This will enhance the educational experience for students by

providing hands-on learning opportunities and exposure to advanced research methodologies.

3. **Workforce Development**: The lab will serve as a training ground for the next generation of scientists, engineers, and technicians. This aligns with the University's commitment to workforce development by equipping students with the skills and knowledge required to excel in the rapidly evolving field of battery technology and energy storage solutions.
4. **Industry Collaboration and Partnerships**: The facility will foster collaboration with industry partners, accelerating joint research projects and technology transfer. This will not only enhance the practical application of research but also attract funding and resources, furthering the University's mission to contribute to economic development and industry innovation.
5. **Sustainability and Environmental Impact**: By focusing on battery research and energy storage, the lab will contribute to the development of sustainable energy solutions. This supports the University's commitment to sustainability and addresses global challenges related to energy efficiency and environmental protection.
6. **Enhanced Research Infrastructure**: The addition of the AMP Battery Research Center will augment the University's existing research infrastructure, making it more robust and capable of supporting a diverse range of research activities. This will enhance the University's reputation as a leading research institution.
7. **Interdisciplinary Collaboration**: The lab will encourage interdisciplinary research by bringing together experts from various fields such as chemistry, physics, engineering, and environmental science. This aligns with the University's goal of promoting collaborative research efforts that can address complex, real-world problems.
8. **Community and Regional Impact**: The research conducted at the lab will have a broader impact on the community and region by promoting technological advancements that can lead to new industries and job creation. This aligns with the University's mission to serve the state of Alabama and the broader region through research, education, and outreach.

Ultimately, the AMP Battery Research Center serves as a pivotal addition to UA, promoting the adequacy of campus facilities in alignment with the University's mission to advance research, support academic excellence, and foster economic and community development.

13. How does the project correlate to the University's strategic goals?

Comments:

The planned AIME Renovations for AMP Battery Research Center project is closely aligned with UA's strategic goals, promoting a culture of innovation, academic excellence, and community engagement. By providing state-of-the-art facilities for cutting-edge battery research, the lab advances the University's commitment to fostering scientific and technological innovation. It supports academic programs by offering specialized resources that enhance hands-on learning and research opportunities for students and faculty, thereby driving academic excellence. The lab also emphasizes workforce development by equipping students with the skills and knowledge needed for careers in the evolving field of

battery technology and energy storage. Additionally, the facility will facilitate collaboration with industry partners, fostering joint research projects and technology transfer, which aligns with the University's goal of contributing to economic development and industry innovation. The focus on sustainable energy solutions reinforces the University's dedication to addressing global challenges and promoting sustainability. By enhancing the University's research infrastructure and encouraging interdisciplinary collaboration, the lab supports the goal of creating a robust and dynamic research environment. Furthermore, the lab's impact extends to the community and region by promoting technological advancements that can lead to new industries and job creation, thus fulfilling the University's mission to serve the state of Alabama and the broader region through research, education, and outreach.

14. Which of the six University of Alabama system Core Principles does this project support?

Comments:
The planned AMP Battery Research Center project aligns with and addresses several core principles of The University of Alabama system:

1. **Improving Lives and Health of Alabama Citizens**: The lab will contribute to developing advanced battery technologies, which are crucial for sustainable energy solutions. By promoting research that leads to cleaner energy storage and usage, the project will have a positive impact on the environment and public health. Additionally, the lab's focus on innovation and sustainability will indirectly improve the quality of life for Alabama residents by creating new industries and job opportunities in the state.
2. **Making Higher Education Accessible and Diverse, Preparing Students for Success, Meeting Workforce Needs**: AMP Battery Research Center will enhance educational programs by providing state-of-the-art facilities and hands-on learning opportunities. This will make higher education more attractive and accessible to a diverse student body. The lab will meet critical workforce needs in Alabama and beyond by preparing students with the skills and knowledge needed for careers in the rapidly growing field of battery technology and energy storage.
3. **Accountability and Excellence**: The project will ensure the highest standards of excellence in research and education, thereby maximizing the return on investment for every dollar received. By fostering cutting-edge research and industry partnerships, the lab will uphold the University's commitment to accountability and excellence in all its programs and endeavors.
4. **Improving Education at Every Level**: The lab will serve as a center for interdisciplinary research and learning, providing opportunities for collaboration across various academic departments. It will also offer outreach programs and workshops for K-12 students and educators, promoting STEM education and inspiring future generations to pursue careers in science and technology.
5. **Economic, Opportunity, and Healthcare Improvement**: The AMP Battery Research Center will significantly contribute to driving economic growth in Alabama by attracting research funding, fostering innovation, and creating high-tech jobs. The lab's focus on sustainable energy solutions will also contribute to the overall well-being of the state's residents by promoting cleaner and more efficient energy usage.

6. **Elevating the University's Status and Influence**: The establishment of a cutting-edge research facility will elevate the status and influence of The University of Alabama system. By uniting efforts across the University of Alabama, UAB, UAH, and UAB Health System, the lab will enhance the system's reputation as a leader in innovation, research, and education. This unified approach will attract national and international attention, further solidifying the University's position as a prominent educational and research institution.

15. What would be the immediate impact on campus programs and enrollment if this project is not approved?

Comments:
If the planned AMP Battery Research Center project is not approved, the immediate impact on-campus programs and enrollment could be significant. Academic programs, particularly those in engineering, materials science, and environmental science, would miss out on offering students access to cutting-edge research facilities. This would limit the hands-on learning experiences and research opportunities available, potentially making the University less attractive to prospective students interested in these fields.

Without the new laboratory, the University may struggle to attract top-tier faculty and researchers who seek advanced facilities to conduct their work. This could impact the quality of education and research output, diminishing the University's reputation as a leader in battery technology and energy storage.

Additionally, the absence of a dedicated battery research facility would hinder the University's ability to establish and maintain strong industry partnerships, which are crucial for securing funding, driving innovation, and providing students with real-world experience. This could further reduce the university's attractiveness to students and potential collaborators.

Overall, the failure to approve the AMP Battery Research Center project could result in decreased enrollment in related programs, a decline in academic and research excellence, and a missed opportunity to contribute to sustainable energy solutions and economic development in the region.

AIME RENOVATIONS FOR AMP BATTERY RESEARCH CENTER

LOCATION MAP