Agenda Items Meeting of the Board of Regents

February 9, 2023

MEETING OF THE BOARD OF REGENTS
THE TEXAS A&M UNIVERSITY SYSTEM
February 9, 2023
College Station, Texas

REGULAR AGENDA ITEMS

1. COMMITTEE ON FINANCE
No agenda items

2. COMMITTEE ON AUDIT
No agenda items

3. COMMITTEE ON BUILDINGS AND PHYSICAL PLANT

3.1 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Infrastructure, Dock Improvements and Ship FF&E - Ph I Project, Texas A&M University at Galveston, Texas (Project No. 10-3353), A&M System

3.2 Approval of the Project Scope (Early Procurement) and Budget, Appropriation for Partial Construction Services, and Approval for Partial Construction (Early Procurement) for the Convocation Center Project, Tarleton State University, Stephenville, Texas (Project No. 04-3396), A&M System

3.3 Approval of the Project Scope and Revised Budget, Appropriation for Construction Services, and Approval for Construction for the Nuclear Engineering Education Building Project, Texas A&M Engineering Experiment Station, College Station, Texas (Project No. 28-3324), A&M System

3.4 Approval to Amend the FY 2023-FY 2027 Texas A&M University System Capital Plan to Increase the Project Planning Amount for the Texas A&M – Fort Worth Law & Education Building Project and Appropriate Funds for Pre-Construction Services for The Texas A&M University System with an FY 2023 Start Date (Project No. 01-3359), A&M System

3.5 Approval of the Revised Project Budget, Appropriation for Construction Services, and Approval for Construction for the Propulsion Test Facility at the TEES Turbomachinery Lab Project, Texas A&M Engineering Experiment Station, College Station, Texas (Project No. 2021-07747), TEES

3.6 Approval to Amend the FY 2023-FY 2027 Texas A&M University System Capital Plan to Add the Texas A&M Health ESCO 2023 Project for Texas A&M University Health Science Center with an FY 2023 Start Date (Project No. 23-3412), A&M System

**Certified by the general counsel or other appropriate attorney as confidential or information that may be withheld from public disclosure in accordance with Section 551.1281 and Chapter 552 of the Texas Government Code.*

3.7 Approval to Amend the FY 2023-FY 2027 Texas A&M University System Capital Plan to Increase the Project Planning Amount, and Appropriate Funds for Pre-Construction Services and Related Project Costs for the Engineering Classroom & Research Building Project for Texas A&M University at Galveston with an FY 2023 Start Date (Project No. 10-3381), A&M System

3.8 Approval to Amend the FY 2023 – FY 2027 Texas A&M University System Capital Plan to Increase the Project Planning Amount, and Appropriate Funds for Pre-Construction Services and Related Project Costs for the Infrastructure, Dock Improvements and Ship FF&E - Ph II Project for Texas A&M University at Galveston with an FY 2023 Start Date (Project No. 10-3354), A&M System

Informational Report

Report of System Construction Projects Authorized by the Board

4. COMMITTEE ON ACADEMIC AND STUDENT AFFAIRS

No agenda items

5. THE TEXAS A&M UNIVERSITY SYSTEM BOARD OF REGENTS *(not assigned to Committee)*

Executive Session Items

5.1 *Authorization for the Disposition of Approximately 364.08 Acres of Land Located in San Saba County, Texas, Tarleton

5.2 *Authorization for the Disposition of Approximately 450.97 Acres of Land Located in San Saba County, Texas, Tarleton

5.3 *WITHDRAWN

Regular Agenda Items (not Executive Session)

5.4 Reappointment of Members to the Board of Directors of The University of Texas/Texas A&M Investment Management Company, BOR

5.5 Appointment of Member to the University Lands Advisory Board, BOR

6. CONSENT AGENDA ITEMS

The Texas A&M University System/Board of Regents

6.1 Approval of Minutes

6.2 Approval of FY 2024 Operating Budget Guidelines

6.3 Granting of the Title of Emeritus, February 2023

6.4 Confirmation of Appointment and Commissioning of Peace Officers

**Certified by the general counsel or other appropriate attorney as confidential or information that may be withheld from public disclosure in accordance with Section 551.1281 and Chapter 552 of the Texas Government Code.*

6.5 Approval of Non-substantive Revisions to System Policy 07.04, Benefits, Gifts and Honoraria

6.6 Approval of Substantive Revisions to System Policy 11.09, Low-Producing Degree Programs

6.7 Approval of Non-substantive Revisions to System Policies 13.03, Texas Public Educational Grants, and 51.03, Art Acquisitions for New and Renovated Facilities

6.8 Approval of Substantive Revisions to System Policies 15.02, Export Controls Program Management, and 15.05, System Research Security Office

6.9 Approval of Substantive Revisions to System Policy 29.01, Information Resources

Prairie View A&M University

6.10 Granting of Faculty Development Leave for FY 2023

Tarleton State University

6.11 Authorization to Award an Honorary Degree to Mr. Sam H. Pack

6.12 *Naming of an Office within Traditions South Building

6.13 *Naming of the Auditorium within Tarleton Welcome Center

6.14 *Naming of Two Interior Stalls within the Doty Rodeo Complex

Texas A&M International University

6.15 Granting of Faculty Development Leave for FY 2024

Texas A&M University

6.16 Granting of Faculty Development Leave for FY 2024

6.17 Approval of Academic Tenure, February 2023

6.18 *Authorization to Establish Four Quasi-Endowments in the System Endowment Fund

6.19 Approval for Dr. Xiaotong Song, a System Employee, to Serve as an Employee, Officer, and Member of the Board of Directors of Cellula BioPharma, Inc., a Business Entity that Proposes to License Technology from the A&M System

6.20 Approval for Dr. Robert Tsai, a System Employee, to Serve as an Employee, Officer, and Member of the Board of Directors of CADRx Inc., a Business Entity that Proposes to License Technology from the A&M System

**Certified by the general counsel or other appropriate attorney as confidential or information that may be withheld from public disclosure in accordance with Section 551.1281 and Chapter 552 of the Texas Government Code.*

6.21 Approval for Dr. M. Karen Newell-Rogers, a System Employee, to Serve as an Officer of BCell Solutions, Inc., a Business Entity that has Licensed Technology from the A&M System

6.22 Approval of a New Bachelor of Science Degree Program with a Major in Financial Planning, and Authorization to Request Approval from the Texas Higher Education Coordinating Board

6.23 Approval of a New Undergraduate Degree Program with a Major in Journalism Leading to a Bachelor of Arts or a Bachelor of Science, and Authorization to Request Approval from the Texas Higher Education Coordinating Board

6.24 Approval of a New Bachelor of Arts Degree Program with a Major in International Affairs, and Authorization to Request Approval from the Texas Higher Education Coordinating Board

6.25 *Authorization for the President to Negotiate and Execute Certain Specified Contracts $500,000 or More

6.26 Authorization for the President to Execute Agreements for Sponsored Instruction and Training and Other Sponsored Activities that are not Research for Fiscal Years 2023, 2024, and 2025

6.27 Establishment of the Center for Greenhouse Gas Management in Agriculture and Forestry *(this item also listed under Texas A&M AgriLife Research)*

6.28 *Namings of Areas and Spaces In and Around Aggie Park

6.29 *Naming of the Business Education Complex Building Adjacent to the Wehner Building

Texas A&M University-Central Texas

No agenda items

Texas A&M University-Commerce

6.30 Establishment of the Texas A&M-Commerce Center for Gamebird Research and Education

Texas A&M University-Corpus Christi

No agenda items

Texas A&M University-Kingsville

6.31 Granting of Faculty Development Leave for FY 2024

6.32 Approval of Academic Tenure, February 2023

Texas A&M University-San Antonio

No agenda items

**Certified by the general counsel or other appropriate attorney as confidential or information that may be withheld from public disclosure in accordance with Section 551.1281 and Chapter 552 of the Texas Government Code.*

Texas A&M University-Texarkana

6.33 Authorization to Award an Honorary Degree to Mr. C. Cary Patterson

6.34 Establishment of the Center for Financial Literacy and Investment

West Texas A&M University

6.35 Authorization to Award an Honorary Degree to Dr. Alan W. Keister

6.36 Authorization to Award an Honorary Degree to Mr. Bruce Thompson

6.37 *Naming of the Department of Accounting, Economics, and Finance

6.38 *Renaming of J Ferg Field at Bain-Schaeffer Buffalo Stadium

Texas A&M AgriLife Extension Service

6.39 Authorization for the Director to Execute Agreements for Sponsored Instruction and Training and Other Sponsored Activities that are not Research for Fiscal Years 2023, 2024, and 2025

Texas A&M AgriLife Research

6.27 Establishment of the Center for Greenhouse Gas Management in Agriculture and Forestry *(also listed under Texas A&M)*

6.40 Authorization for the Director to Execute Agreements for Sponsored Instruction and Training and Other Sponsored Activities that are not Research for Fiscal Years 2023, 2024, and 2025

Texas A&M Engineering Experiment Station

6.41 Authorization for the Director to Execute Agreements for Sponsored Instruction and Training and Other Sponsored Activities that are not Research for Fiscal Years 2023, 2024, and 2025

6.42 *Naming of the Industrial Distribution Building

Texas A&M Forest Service
No agenda items

Texas A&M Engineering Extension Service
No agenda items

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Texas A&M Veterinary Medical Diagnostic Laboratory

6.43 Authorization for the Director to Execute Agreements for Sponsored Instruction and Training and Other Sponsored Activities that are not Research for Fiscal Years 2023, 2024, and 2025

Texas A&M Transportation Institute
No agenda items

Texas Division of Emergency Management
No agenda items

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A&M System	The Texas A&M University System
A&M-Central Texas	Texas A&M University-Central Texas
A&M-Commerce	Texas A&M University-Commerce
A&M-Corpus Christi	Texas A&M University-Corpus Christi
A&M-San Antonio	Texas A&M University-San Antonio
A/E	Architect/Engineer
AgriLife Extension	Texas A&M AgriLife Extension Service
AgriLife Research	Texas A&M AgriLife Research
BOR	Board of Regents
FP&C	Facilities Planning and Construction
POR	Program of Requirements
PUF	Permanent University Fund
PVAMU	Prairie View A&M University
RELLIS	Respect, Excellence, Leadership, Loyalty, Integrity and Selfless Service
RFS	Revenue Financing System
TAMHSC	Texas A&M Health Science Center
TAMIU	Texas A&M International University
TAMUG	Texas A&M University at Galveston
TAMUT	Texas A&M University-Texarkana
Tarleton	Tarleton State University
TEES	Texas A&M Engineering Experiment Station
TEEX	Texas A&M Engineering Extension Service
Texas A&M at Qatar	Texas A&M University at Qatar
Texas A&M	Texas A&M University
Texas A&M-Kingsville	Texas A&M University-Kingsville
TDEM	Texas Division of Emergency Management
TFS	Texas A&M Forest Service
THECB	Texas Higher Education Coordinating Board
TTI	Texas A&M Transportation Institute
TVMDL	Texas A&M Veterinary Medical Diagnostic Laboratory
UTIMCO	The University of Texas/Texas A&M Investment Management Company
WTAMU	West Texas A&M University

**Certified by the general counsel or other appropriate attorney as confidential or information that may be withheld from public disclosure in accordance with Section 551.1281 and Chapter 552 of the Texas Government Code.*

Agenda Item No. 3.1

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Infrastructure, Dock Improvements and Ship FF&E - Ph I Project, Texas A&M University at Galveston, Texas (Project No. 10-3353)

Background and Prior Actions:

The Infrastructure, Dock Improvements and Ship FF&E - Ph I Project was included as an approved project on the FY 2023 – FY 2027 A&M System Capital Plan approved by the Board at the May 2022 meeting.

Proposed Board Action:

(1) Approve the project scope and budget.

(2) Appropriate $31,500,000 for construction services and related project costs. $3,500,000 has been previously appropriated to this project.

(3) Approve construction of the Infrastructure, Dock Improvements and Ship FF&E - Ph I Project at Texas A&M University at Galveston (TAMUG).

Funding/Budget Amount:

Funding Source	Budget Amount	Average Estimated Annual Debt Service	Debt Service Source
Cash (General Revenue)	$35,000,000	N/A	N/A
Total Project Funds	$35,000,000		

Project Justification:

Serving as the "ocean-oriented campus" of Texas A&M University at College Station, the Galveston campus mission is to provide special-purpose education in marine and maritime studies and research and public service related to the general field of marine resources. Established in 1971, the campus on Pelican Island is more than 50 years old. While construction of new facilities has kept pace with campus growth, the campus underground utility lines and utility generation capacity have not kept up. As the campus prepares for the next 50 years, the campus proposes to complete utility and infrastructure projects to properly support the educational and research mission of the institution.

The project continues work previously identified in earlier planning efforts. In 2015, the Galveston campus completed programming for required infrastructure projects. These infrastructure projects were identified, described, and costed to provide necessary utility improvements for thermals, electricity, wastewater treatment, and stormwater piping. Due to budgetary constraints, only a portion of the work was executed through design and construction at that time. This project will complete another portion of that work with particular focus for all utility and infrastructure work that will be required to support the arrival of the National Security Multi-Mission Vessel (NSMV) and upcoming academic buildings.

Scope:

The project will include the completion of a new Central Utility Plant (CUP) to provide the campus with an additional 1,300 tons of cooling capacity and 3,200 mbh heating capacity. This additional thermal generation will supply the adequate chilled water for the new NSMV and chilled/heating hot water for an additional future academic building. The CUP will be designed to work with the existing plant and will be expandable – up to 3,900 tons cooling capacity and 14,000 mbh heating capacity – through the installation of additional chillers and boilers as the campus grows. In addition to the CUP, the campus experiences frequent issues with adequate natural gas pressure. This project will also up-size natural gas piping on campus to properly supply facilities.

Construction on this project is scheduled to start in March 2023 with substantial completion scheduled for April 2025. The total project budget is $35,000,000.

Other Major Fiscal Impacts:

None.

Strategic Plan Imperative(s) this Item Advances:

The Infrastructure, Dock Improvements, and Ship FF&E - Phase I Project supports Strategic Plan imperatives identified below:

Imperative No. 4: The A&M System will increase its prominence by building a robust and targeted research portfolio. We will continue to encourage cross-institution and cross-discipline collaboration, and we will support our member institutions in their research pursuits, including obtaining emerging research status.

Imperative No. 5: The A&M System will provide services that respond to the needs of the people of Texas and contribute to the strength of the state's economy. We will continue to address the needs of Texas and use technology to reach citizens in new ways.

Agenda Item No. 3.1

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Deputy Chancellor and Chief Financial Officer
January 2, 2023

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Infrastructure, Dock Improvements and Ship FF&E - Ph I Project, Texas A&M University at Galveston, Texas (Project No. 10-3353)

I recommend adoption of the following minute order:

"The project scope along with a project budget of $35,000,000 for the Infrastructure, Dock Improvements and Ship FF&E - Ph I Project is approved.

The amount of $31,500,000 is appropriated from Account No. 10-812510 Infrastructure Dock Impr/Ship FF&E, for construction services and related project costs.

The Infrastructure, Dock Improvements and Ship FF&E - Ph I Project, Texas A&M University at Galveston, Texas is approved for construction."

Respectfully submitted,

[ORIGINAL SIGNED BY]

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Approval Recommended:

[ORIGINAL SIGNED BY]

John Sharp
Chancellor

[ORIGINAL SIGNED BY]

Phillip Ray
Vice Chancellor for Business Affairs

[ORIGINAL SIGNED BY]

Col Michael E. Fossum, USAFR (Ret.), Chief Operating Officer
Texas A&M University at Galveston

Approved for Legal Sufficiency:

[ORIGINAL SIGNED BY]

Ray Bonilla
General Counsel

[ORIGINAL SIGNED BY]

M. Katherine Banks, Ph.D., President
Texas A&M University

INFRASTRUCTURE, DOCK IMPROVEMENTS AND SHIP FF&E - PH I
TEXAS A&M UNIVERSITY AT GALVESTON
PROJECT NO. 10-3353

PROJECT BUDGET

1.	Construction	$28,861,395
2.	Project Contingency	1,507,415
3.	Program of Requirements	55,000
4.	Pre-Construction Services	2,503,085
5.	Commissioning	150,000
6.	Construction Testing	312,000
7.	Campus Services & Technology	278,605
8.	Furnishings	50,000
9.	Equipment	0
10.	Other Project Costs	355,000
11.	Project Management & Inspection	$ 927,500
12.	TOTAL ESTIMATED COST OF PROJECT	$35,000,000

INFRASTRUCTURE, DOCK IMPROVEMENTS AND SHIP FF&E - PH I

PROJECT SCHEDULE

TEXAS A&M UNIVERSITY AT GALVESTON

PROJECT NO. 10-3353

1. Issue A/E RFQ ..... April 12, 2022
2. Issue CMAR RFP ..... April 12, 2022
3. Receive CMAR RFP Response ..... May 2, 2022
4. Receive A/E RFQ Responses ..... May 3, 2022
5. Shortlist A/E Firms ..... May 4, 2022
6. Interview A/E Shortlist ..... May 10, 2022
7. Interview CMAR Shortlist ..... May 11, 2022
8. A/E Ranked Order Approved by Chancellor ..... May 25, 2022
9. CMAR Ranked Order Approved by Chancellor ..... May 31, 2022
10. Execute A/E Agreement ..... June 21, 2022
11. Execute CMAR Agreement ..... July 14, 2022
12. Complete Schematic Design ..... August 16, 2022
13. Complete Design Development ..... October 25, 2022
14. Receive GMP from CMAR ..... December 5, 2022
15. Complete Construction Documents ..... January 20, 2023
16. Submit THECB Application ..... February 1, 2023
17. BOR Approval for Construction ..... February 9, 2023
18. Begin Construction ..... March 2023
19. Substantial Completion ..... April 2025
20. Owner Occupancy ..... April 2025

Infrastructure, Dock Improvements and Ship FF&E - Ph I

Texas A&M University at Galveston **Project No. 10-3353**

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of the Project Scope (Early Procurement) and Budget, Appropriation for Partial Construction Services, and Approval for Partial Construction (Early Procurement) for the Convocation Center Project, Tarleton State University, Stephenville, Texas (Project No. 04-3396)

Background and Prior Actions:

The Convocation Center Project was included as a proposed project on the FY 2023 – FY 2027 A&M System Capital Plan approved by the Board at the May 2022 meeting for a total project budget of $110,000,000.

Proposed Board Action:

(1) Approve the project scope (Early Procurement) and budget

(2) Appropriate $13,300,000 for construction services and related project costs for Early Procurement. $11,000,000 has been previously appropriated to this project.

(3) Approve construction expenditures for the early procurement of mechanical equipment, electrical equipment, elevators, and structural steel fabrication portion of the Convocation Center Project at Tarleton State University (Tarleton).

Funding/Budget Amount (Overall Project):

Funding Source	Budget Amount	Average Estimated Annual Debt Service	Debt Service Source
Revenue Financing System Debt Proceeds	$110,000,000	$7,643,318	University Services Fee, Program Revenue and Sponsorships
Total Project Funds	$110,000,000		

Project Justification (Overall Project):

Tarleton's strategic plan has affirmed the institution's commitment toward educating students for real-world success and superior outcomes through the delivery of innovative education, campus experience, competitive athletics, and a return on educational investment. The university plans to pursue breaking ground on new facilities, including a premier Convocation Center. The integration of the Convocation Center, with the previous and currently planned campus investments for student/residential facilities and academic buildings, will continue to catapult Tarleton as a top tier university, securely broadening the scope for talented students from across

the city, state, country, and worldwide and intensifying the promotional content of the Division 1 experience for both Tarleton's Texan spirit and collegial experience. Allowing this to be a premier academic and athletic facility and an institutional venue for the City of Stephenville functions will bring the entire Texans community together throughout the year. The Convocation Center will feature Hospitality Suites for various donor events and improve undergraduate and graduate student experiences with academic and athletic programs. The Convocation Center Project will provide a platform where Tarleton will exhibit prominent social, educational, and research programs. The Convocation Center Project will provide a significantly improved game-day atmosphere for visitors, fans, alumni, students, and season ticket holders, with equitable flexibility to allow for various events with retractable seating for concerts and commencements.

Scope (Current Authorization Request):

The Convocation Center Project will be a multi-purpose arena venue capable of hosting many different event types. These events include commencement, convocation, concerts, motivational speaking events, large assembly meetings, NCAA Division 1 men's / women's basketball and volleyball, trade shows, and others. The Convocation Center Project is proposed to be located on the southwest corner of the campus, between Harbin Drive to the west and St. Felix Street to the east, as well as West Sloan Street to the north and West Turner Street to the south.

Early procurement of materials on the critical path will enable the project to offset supply chain delays in order to maintain the duration of the construction schedule and secure equipment at current market pricing. The early procurement package includes main switchboards, a generator, automatic transfer switches, panels 800 amps and higher, large transformers, an uninterruptible power supply system, cooling towers, chillers, boilers, air handler units, elevators and structural steel fabrication.

The remaining project scope will be presented in May 2023 for construction approval.

Procurement for this initial phase of the project is scheduled to start in March 2023 while construction on the project is scheduled to begin in June 2023 with substantial completion for the total project scheduled for May 2025. The total project budget for the current authorization is $24,300,000, while the total project budget is $110,000,000.

Other Major Fiscal Impacts:

None.

Strategic Plan Imperative(s) this Item Advances:

The Convocation Center Project supports Strategic Plan Imperative 1, *"All qualified students will find a place in the A&M System and will have an array of pathways to pursue their ambitions and interests."* The Convocation Center Project provides an array of opportunities and pathways for students to pursue their ambitions and interests, whether these be competing in NCAA Division 1 athletic events or enjoying the rich university experience created by the many concerts, speakers, and other events that will be held at the center.

The Convocation Center Project supports Strategic Plan Imperative 2, *"The A&M System will remain affordable and accessible."* The Convocation Center Project helps the A&M System remain affordable through sound financial decisions in determining the scale and scope of the project. The Convocation Center Project operations are efficient, and the pro-forma indicates that the Convocation Center Project will be utilized for many event days per year. Lastly, events will be accessible through low-cost tickets for students.

The Convocation Center Project supports Strategic Plan Imperative 5, *"The A&M System will provide services that respond to the needs of the people of Texas and contribute to the strength of the state's economy."* The Convocation Center Project provides services to Texas citizens by offering readily available entertainment and civic enhancement to Stephenville and the surrounding area. The Convocation Center Project contributes to the strength of the Texas economy by providing construction jobs and ongoing jobs for building staff, operators, vendors, performers, etc.

The Convocation Center Project supports Strategic Plan Imperative 6, *"The A&M System, in adhering to the high standard of excellence and growth required in this strategic plan, will display prudent financial stewardship and sustainability."* The Convocation Center Project adheres to the A&M System's high standard of excellence in design and event flexibility as well as construction materials and methods. Growth is provided through the increased diversity and the harmony of the experience for students, staff, and the community.

Agenda Item No. 3.2

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Deputy Chancellor and Chief Financial Officer
January 9, 2022

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope (Early Procurement) and Budget, Appropriation for Partial Construction Services, and Approval for Partial Construction (Early Procurement) for the Convocation Center Project, Tarleton State University, Stephenville, Texas (Project No. 04-3396)

I recommend adoption of the following minute order:

"The project scope (Early Procurement) along with a project budget of $110,000,000 for the Convocation Center Project is approved.

The amount of $13,300,000 is appropriated from Account No. 01-083538 Revenue Financing System Debt Proceeds, (University Services Fee, Program Revenue and Sponsorships), for partial construction services and related project costs.

The Convocation Center Project, Tarleton State University, Stephenville, Texas, is approved for partial construction (Early Procurement).

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations."

Respectfully submitted,

[ORIGINAL SIGNED BY]

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Approval Recommended:

[ORIGINAL SIGNED BY]

John Sharp
Chancellor

[ORIGINAL SIGNED BY]

Phillip Ray
Vice Chancellor for Business Affairs

[ORIGINAL SIGNED BY]

Dr. James Hurley, President
Tarleton State University

Approved for Legal Sufficiency:

[ORIGINAL SIGNED BY]

Ray Bonilla
General Counsel

CONVOCATION CENTER – OVERALL PROJECT **TARLETON STATE UNIVERSITY** **PROJECT NO. 04-3396**	**PROJECT BUDGET**

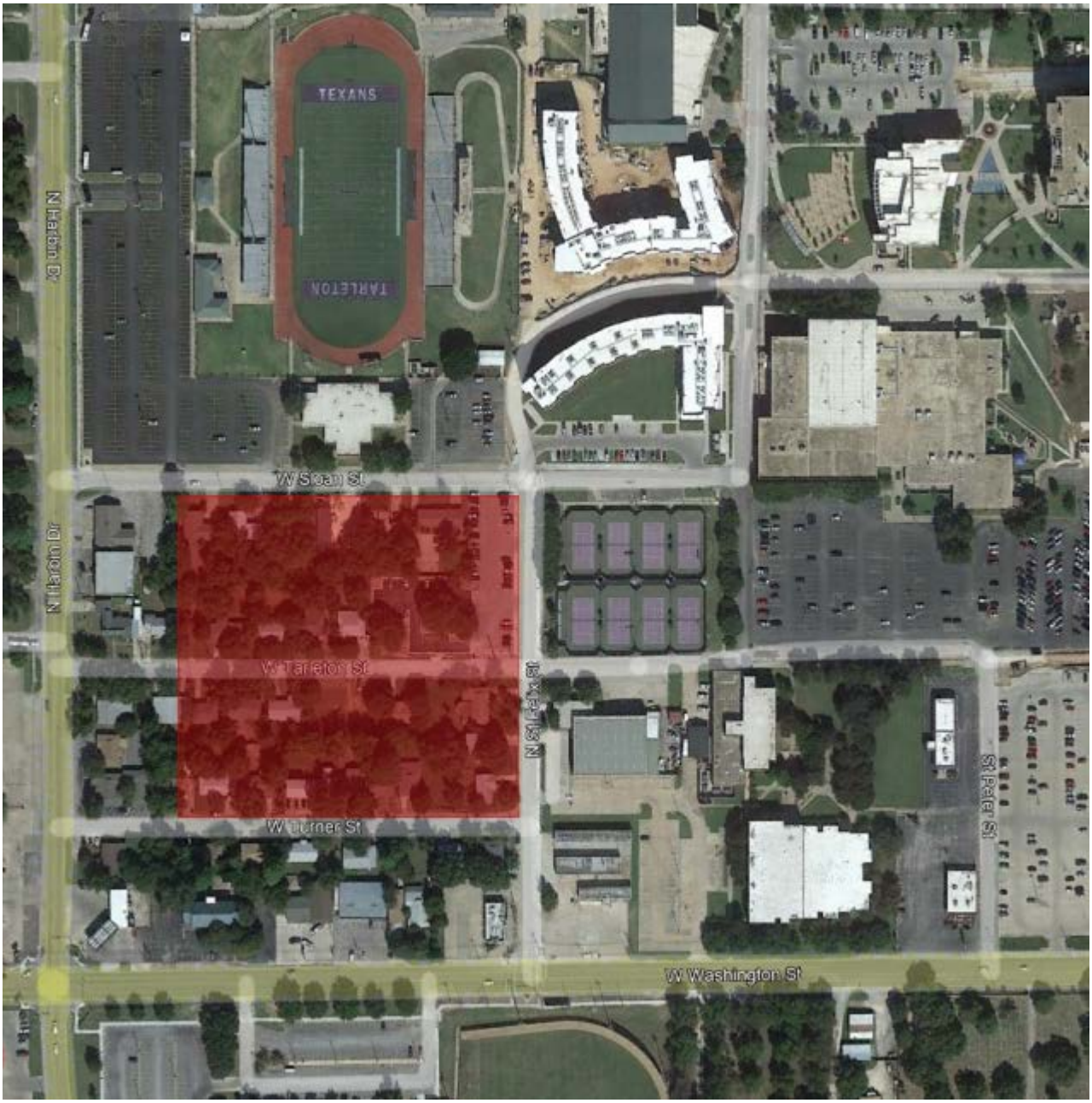
1.	Construction	$82,500,000
2.	Project Contingency	4,302,715
3.	Program of Requirements	0
4.	Pre-Construction Services	7,677,785
5.	Commissioning	199,000
6.	Construction Testing	1,158,000
7.	Campus Services & Technology	2,318,000
8.	Furnishings	3,500,000
9.	Equipment	4,517,500
10.	Other Project Costs	912,000
11.	Project Management & Inspection	2,915,000
12.	TOTAL ESTIMATED COST OF PROJECT	$110,000,000

CONVOCATION CENTER – EARLY PROCUREMENT **PROJECT BUDGET**
TARLETON STATE UNIVERSITY
PROJECT NO. 04-3396

1.	Construction	$15,000,000
2.	Project Contingency	750,000
3.	Program of Requirements	0
4.	Pre-Construction Services	7,677,785
5.	Commissioning	199,000
6.	Construction Testing	0
7.	Campus Services & Technology	0
8.	Furnishings	0
9.	Equipment	0
10.	Other Project Costs	45,889
11.	Project Management & Inspection	627,326
12.	TOTAL ESTIMATED COST OF PROJECT (Early Procurement)	$24,300,000

CONVOCATION CENTER **PROJECT SCHEDULE**
TARLETON STATE UNIVERSITY
PROJECT NO. 04-3396

1. Issue A/E Best Value Recommendation ..... April 26, 2022
2. A/E Best Value Recommendation Approved by Chancellor ..... May 3, 2022
3. Execute A/E Agreement ..... June 21, 2022
4. Issue CMAR RFP ..... June 28, 2022
5. Receive CMAR RFP Response ..... July 19, 2022
6. CMAR Ranked Order Approved by Chancellor ..... August 11, 2022
7. Execute CMAR Agreement ..... September 1, 2022
8. Complete Schematic Design ..... September 16, 2022
9. Receive GMP from CMAR (Early Procurement) ..... January 6, 2023
10. Complete Design Development ..... January 31, 2023
11. BOR Approval for Construction (Early Procurement) ..... February 9, 2023
12. Begin Construction (Early Procurement) ..... March 2023
13. Receive GMP from CMAR ..... April 2023
14. BOR Approval for Construction ..... May 2023
15. Begin Construction ..... June 2023
16. Complete Construction Documents ..... June 2023
17. Submit THECB Application ..... July 2023
18. Substantial Completion ..... May 2025
19. Owner Occupancy ..... June 2025



Convocation Center

Tarleton State University **Project No. 04-3396**

TARLETON STATE UNIVERSITY
REVENUE FINANCING SYSTEM
Convocation Center
University Services Fee, Program Revenue, Sponsorships

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	111,085,000.00				
YEAR 1	109,550,000.00	1,535,000.00	6,109,675.00	7,644,675.00	8,791,376.25
YEAR 2	107,935,000.00	1,615,000.00	6,025,250.00	7,640,250.00	8,786,287.50
YEAR 3	106,230,000.00	1,705,000.00	5,936,425.00	7,641,425.00	8,787,638.75
YEAR 4	104,430,000.00	1,800,000.00	5,842,650.00	7,642,650.00	8,789,047.50
YEAR 5	102,530,000.00	1,900,000.00	5,743,650.00	7,643,650.00	8,790,197.50
YEAR 6	100,525,000.00	2,005,000.00	5,639,150.00	7,644,150.00	8,790,772.50
YEAR 7	98,410,000.00	2,115,000.00	5,528,875.00	7,643,875.00	8,790,456.25
YEAR 8	96,180,000.00	2,230,000.00	5,412,550.00	7,642,550.00	8,788,932.50
YEAR 9	93,825,000.00	2,355,000.00	5,289,900.00	7,644,900.00	8,791,635.00
YEAR 10	91,340,000.00	2,485,000.00	5,160,375.00	7,645,375.00	8,792,181.25
YEAR 11	88,720,000.00	2,620,000.00	5,023,700.00	7,643,700.00	8,790,255.00
YEAR 12	85,955,000.00	2,765,000.00	4,879,600.00	7,644,600.00	8,791,290.00
YEAR 13	83,040,000.00	2,915,000.00	4,727,525.00	7,642,525.00	8,788,903.75
YEAR 14	79,965,000.00	3,075,000.00	4,567,200.00	7,642,200.00	8,788,530.00
YEAR 15	76,720,000.00	3,245,000.00	4,398,075.00	7,643,075.00	8,789,536.25
YEAR 16	73,295,000.00	3,425,000.00	4,219,600.00	7,644,600.00	8,791,290.00
YEAR 17	69,685,000.00	3,610,000.00	4,031,225.00	7,641,225.00	8,787,408.75
YEAR 18	65,875,000.00	3,810,000.00	3,832,675.00	7,642,675.00	8,789,076.25
YEAR 19	61,855,000.00	4,020,000.00	3,623,125.00	7,643,125.00	8,789,593.75
YEAR 20	57,615,000.00	4,240,000.00	3,402,025.00	7,642,025.00	8,788,328.75
YEAR 21	53,140,000.00	4,475,000.00	3,168,825.00	7,643,825.00	8,790,398.75
YEAR 22	48,420,000.00	4,720,000.00	2,922,700.00	7,642,700.00	8,789,105.00
YEAR 23	43,440,000.00	4,980,000.00	2,663,100.00	7,643,100.00	8,789,565.00
YEAR 24	38,185,000.00	5,255,000.00	2,389,200.00	7,644,200.00	8,790,830.00
YEAR 25	32,640,000.00	5,545,000.00	2,100,175.00	7,645,175.00	8,791,951.25
YEAR 26	26,790,000.00	5,850,000.00	1,795,200.00	7,645,200.00	8,791,980.00
YEAR 27	20,620,000.00	6,170,000.00	1,473,450.00	7,643,450.00	8,789,967.50
YEAR 28	14,110,000.00	6,510,000.00	1,134,100.00	7,644,100.00	8,790,715.00
YEAR 29	7,245,000.00	6,865,000.00	776,050.00	7,641,050.00	8,787,207.50
YEAR 30	-	7,245,000.00	398,475.00	7,643,475.00	8,789,996.25
		$ 111,085,000.00	$ 118,214,525.00	$ 229,299,525.00	$ 263,694,453.75

Estimated Issuance Costs of $1,085,000.00 are included in this schedule.
Long-term rates are assumed to be 5.50%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 01/04/2023

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.

Backup source of repayment for Fees: Investment Earnings

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of the Project Scope and Revised Budget, Appropriation for Construction Services, and Approval for Construction for the Nuclear Engineering Education Building Project, Texas A&M Engineering Experiment Station, College Station, Texas (Project No. 28-3324)

Background and Prior Actions:

The Nuclear Engineering Education Building Project was included as a proposed project with a FY 2023 start date on the FY 2022 – FY 2026 A&M System Capital Plan approved by the Board at the August 2021 meeting with a planning amount of $11,500,000. The project was approved to be moved to FY 2022 by letter in November 2021 (see attachment). Approval to design to the increased budget shown below was received by letter on December 1, 2022 (see attachment).

Proposed Board Action:

(1) Approve the project scope and revised budget.

(2) Appropriate $13,950,000 for construction services and related project costs. $1,150,000 has been previously appropriated to this project.

(3) Approve construction of the Nuclear Engineering Education Building Project at Texas A&M Engineering Experiment Station (TEES).

Funding/Budget Amount:

Funding Source	Planning Amount	Proposed Adjustment	Proposed Planning Amount	Average Estimated Annual Debt Service	Debt Service Source
Permanent University Fund	$0	$4,500,000	$4,500,000	$364,538	Available University Fund
Cash (Chancellor's Research Initiative (CRI – Hassan))	$8,000,000	$0	$8,000,000	N/A	N/A
Cash (Designated Tuition)	3,500,000	$(2,000,000)	$1,500,000	N/A	N/A
Cash (Indirect Cost Recoveries)	$0	$1,100,000	$1,100,000	N/A	N/A
Total Project Cost	$11,500,000	$3,600,000	$15,100,000		

*TEES is using $4 million from the Hedrick CRI Award and $500,000 from its PUF Equipment Allocations to provide funding for this project. These funds have been reverted back to the A&M System so they can be appropriated to this major project.

Project Justification:

For over 100 years, TEES has served the citizens of Texas through engineering, technology-oriented research, and educational collaborations. TEES research has made significant impacts on the health, safety and quality of life of Texas citizens and has contributed to the state's economic growth and development. In support of its mission, TEES engineering and technology research programs continue to evolve and expand.

Over the past several years, Texas A&M University has assembled a critical mass of Nuclear Engineering (NUEN) faculty members who have complementary research programs in thermal hydraulic flow phenomena, ion irradiation, nuclear fuel cycles, and development of thermal-fluid technologies. State-of-the-art research in these areas, both fundamental and applied, requires laboratory facilities that are adequately suited to the unique technical and safety requirements of nuclear engineering. To this end, we propose the construction and renovation of the Nuclear Engineering Education Building (NEEB), to be located near the existing Nuclear Science Center (NSC).

Currently, NUEN research scientists are housed in multiple isolated laboratory facilities in the University Services Building (3400), the Donald L. Houston Building (1603), and at the Nuclear Science Center (1095) near Easterwood Airfield. The consolidation of research faculty and laboratories to a single complex located at the NSC will allow related research to be carried out at a single location and enhance collaborative efforts between faculty, researchers, and students.

Scope:

NEEB will be a renovation of the existing Range Science Field Lab Building located on Fish Tank Road, adjacent and immediately to the south of the Nuclear Science Center. This facility includes an approximately 9,200 GSF freestanding steel-framed building and surrounding 1.4-acre property. Building 1183 is currently under the purview of the College of Agriculture and Life Sciences. Official transfer of this facility from AgriLife to TEES occurred in September 2022.

Due to the age and prior unrelated use of the structure, there is little of the existing interior construction that is of value for reuse as a technical laboratory facility. A large portion of the building is currently unconditioned storage space. The roof is original to the building and at the end of its useful life. The building envelope will require significant repairs and upgrades to ensure proper water resistance, as well as the addition of thermal insulation to meet current codes. All of the existing mechanical and electrical systems are either inadequate for the proposed building use or beyond the end of their useful life. Plumbing systems will require upgrades to support laboratory spaces. A fire sprinkler system will need to be added to the building and upgrades performed to fire alarm and building security systems.

Construction on this project is scheduled to start in March 2023 with substantial completion scheduled for April 2024. The total project budget is $15,100,000.

Other Major Fiscal Impacts:

None.

Strategic Plan Imperative(s) this Item Advances:

The Nuclear Engineering Education Building Project advances *System Strategic Plan Imperative #4*, increasing the A&M System's prominence by developing state-of-the-art nuclear engineering facilities that will enhance industry-based research.

Agenda Item No. 3.3

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Deputy Chancellor and Chief Financial Officer
January 3, 2023

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Revised Budget, Appropriation for Construction Services, and Approval for Construction for the Nuclear Engineering Education Building Project, Texas A&M Engineering Experiment Station, College Station, Texas (Project No. 28-3324)

I recommend adoption of the following minute order:

"The project scope along with a revised project budget of $15,100,000 for the Nuclear Engineering Education Building Project is approved.

The amount of $4,500,000 is appropriated from Account No. 01-084243 Permanent University Fund Debt Proceeds (AUF), the amount of $6,850,000 is appropriated from Account No. 02-292154 TAMU CRI Award – Hassan, the amount of $1,500,000 is appropriated from Account 02-808816, and the amount of $1,100,000 is appropriated from Account 28-810093, for construction services and related project costs.

The Nuclear Engineering Education Building Project, Texas A&M Engineering Experiment Station, College Station, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s)."

Respectfully submitted,

[ORIGINAL SIGNED BY]

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Approval Recommended:

[ORIGINAL SIGNED BY]

John Sharp
Chancellor

[ORIGINAL SIGNED BY]

Phillip Ray
Vice Chancellor for Business Affairs

Approved for Legal Sufficiency:

[ORIGINAL SIGNED BY]

Ray Bonilla
General Counsel

[ORIGINAL SIGNED BY]

Dr. John E. Hurtado, Interim Director
Texas A&M Engineering Experiment Station

NUCLEAR ENGINEERING EDUCATION BUILDING **PROJECT BUDGET**
TEXAS A&M ENGINEERING EXPERIMENT STATION
PROJECT NO. 28-3324

1.	Construction	$12,080,000
2.	Project Contingency	982,560
3.	Program of Requirements	0
4.	Pre-Construction Services	860,290
5.	Commissioning	44,000
6.	Construction Testing	105,000
7.	Campus Services & Technology	220,000
8.	Furnishings	200,000
9.	Equipment	200,000
10.	Other Project Costs	8,000
11.	Project Management & Inspection	400,150
12.	TOTAL ESTIMATED COST OF PROJECT	$15,100,000

NUCLEAR ENGINEERING EDUCATION BUILDING **PROJECT SCHEDULE**
TEXAS A&M ENGINEERING EXPERIMENT STATION
PROJECT NO. 28-3324

1. Issue A/E RFQ ..... February 15, 2022
2. Issue CMAR RFP ..... February 22, 2022
3. Receive A/E RFQ Responses ..... March 16, 2022
4. Receive CMAR RFP Response ..... March 24, 2022
5. Shortlist A/E Firms ..... March 25, 2022
6. Interview A/E Shortlist ..... April 1, 2022
7. A/E Ranked Order Approved by Chancellor ..... April 7, 2022
8. CMAR Ranked Order Approved by Chancellor ..... April 20, 2022
9. Execute A/E Agreement ..... June 21, 2022
10. Execute CMAR Agreement ..... July 18, 2022
11. Complete Schematic Design ..... November 7, 2022
12. Complete Design Development ..... December 20, 2022
13. Receive GMP from CMAR ..... January 10, 2023
14. BOR Approval for Construction ..... February 2023
15. Begin Construction ..... March 2023
16. Complete Construction Documents ..... March 2023
17. Submit THECB Application ..... March 2023
18. Substantial Completion ..... April 2024
19. Owner Occupancy ..... May 2024

Nuclear Engineering Education Building

Texas A&M Engineering Experiment Station **Project No. 28-3324**

TEXAS A&M ENGINEERING EXPERIMENT STATION
PERMANENT UNIVERSITY FUND
28-3324 Nuclear Engineering Education Building
Available University Fund

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total
BONDS	4,545,000.00			
YEAR 1	4,405,000.00	140,000.00	227,250.00	367,250.00
YEAR 2	4,260,000.00	145,000.00	220,250.00	365,250.00
YEAR 3	4,110,000.00	150,000.00	213,000.00	363,000.00
YEAR 4	3,950,000.00	160,000.00	205,500.00	365,500.00
YEAR 5	3,785,000.00	165,000.00	197,500.00	362,500.00
YEAR 6	3,610,000.00	175,000.00	189,250.00	364,250.00
YEAR 7	3,425,000.00	185,000.00	180,500.00	365,500.00
YEAR 8	3,230,000.00	195,000.00	171,250.00	366,250.00
YEAR 9	3,025,000.00	205,000.00	161,500.00	366,500.00
YEAR 10	2,810,000.00	215,000.00	151,250.00	366,250.00
YEAR 11	2,585,000.00	225,000.00	140,500.00	365,500.00
YEAR 12	2,350,000.00	235,000.00	129,250.00	364,250.00
YEAR 13	2,105,000.00	245,000.00	117,500.00	362,500.00
YEAR 14	1,845,000.00	260,000.00	105,250.00	365,250.00
YEAR 15	1,575,000.00	270,000.00	92,250.00	362,250.00
YEAR 16	1,290,000.00	285,000.00	78,750.00	363,750.00
YEAR 17	990,000.00	300,000.00	64,500.00	364,500.00
YEAR 18	675,000.00	315,000.00	49,500.00	364,500.00
YEAR 19	345,000.00	330,000.00	33,750.00	363,750.00
YEAR 20	-	345,000.00	17,250.00	362,250.00
		$ 4,545,000.00	$ 2,745,750.00	$ 7,290,750.00

Estimated issuance costs and rounding of $45,000 are included in this schedule.
Long-term rates are assumed to be 5.00%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 12/06/2022

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.

Office of Facilities Planning & Construction
THE TEXAS A&M UNIVERSITY SYSTEM

November 22, 2021

MEMORANDUM

TO: Mr. Michael Plank
Chair, Committee on Buildings & Physical Plant
Board of Regents

Mr. John Sharp
Chancellor

THROUGH: Mr. Billy C. Hamilton
Deputy Chancellor and Chief Financial Officer

THROUGH: Mr. Phillip Ray
Vice Chancellor for Business Affairs

FROM: Mr. Brett McCully
Chief Facilities Officer

SUBJECT: Revision to Fiscal Year Designation
Nuclear Engineering Education Building
Project No. 28-3324
Texas A&M Engineering Experiment Station

Pursuant to System Policy 51.01.1.3, Facilities Planning & Construction (FP&C) requests approval to change the fiscal year designation for project initiation of the Nuclear Engineering Education Building Project for the Texas A&M Engineering Experiment Station from fiscal year 2023 to fiscal year 2022 at a planning amount of $11,500,000.

As background, The Texas A&M University System Board of Regents approved the A&M System Capital Plan at its August 26, 2021 meeting, which included the Nuclear Engineering Education Building Project for FY 2023. Given that the Program of Requirements is now complete, FP&C recommends approval of changing the initiation date for this project to the current fiscal year, FY 2022.

Approved:

John Sharp
Chancellor

23 Nov 21
Date

Michael Plank
Chair, Committee on Buildings & Physical Plant

Nov 24, 2021
Date

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THE TEXAS A&M UNIVERSITY SYSTEM

November 7, 2022

MEMORANDUM

TO: Mr. Michael Plank
Chair, Committee on Buildings & Physical Plant
Board of Regents

Mr. John Sharp
Chancellor

THROUGH: Mr. Billy C. Hamilton
Deputy Chancellor and Chief Financial Officer

FROM: Ms. Maria Robinson
Chief Investment Officer and Treasurer

FROM: Mr. Brett McCully
Chief Facilities Officer

SUBJECT: Proposed Revision to Capital Plan Project Amount
Nuclear Engineering Education Building (NEEB)
Project No. 28-3324
Proposed Project Planning Amount $15,100,000
Texas A&M Engineering Extension Station (TEES)

The Texas A&M University System Board of Regents (BOR) approved the A&M System Capital Plan at its August 2021 meeting, which included the TEES Nuclear Engineering Education Building Project (NEEB) at Texas A&M University (Texas A&M) for initiation in FY 2023 at a planning amount of $11,500,000.

On August 12, 2022, Ben Sasse, Associate Director of Texas A&M Campus Planning, Design and Construction (CPDC), on behalf of TEES provided a request to Facilities Planning and Construction (FP&C) to increase the project funding in order to incorporate desired scope changes. A copy of the request is attached for reference.

This project will be a renovation of the existing Range Science Field Lab Building located on Fish Tank Road, adjacent and immediately to the south of the Nuclear Science Center. This facility includes an approximately 9,200 GSF freestanding steel framed building and surrounding 1.4-acre property.

The Program of Requirements (POR) for the NEEB project was developed and finalized in November 2021, and the project was moved from FY2023 to FY2022 by letter in the same month. However, funding was not secured to start solicitations for project Architect/Engineer (A/E) and Construction Manager at Risk (CMAR) services until February 2022. Following a standard procurement process and confirmed team selection, design began in May 2022 and cost estimators from the selected A/E and CMAR immediately

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conducted independent reviews of the POR. The reconciled estimates showed that the cost of work for the scope outlined in the POR, along with scope increases due to further development of the program, exceeded the project budget by approximately 22%. The A/E and CMAR developed several revised project concepts with aligned scope and budget, and TEES requested to increase the project budget. The misalignment of project scope and budget and the development of revised details for BOR approval has delayed the project schedule three months in addition to the funding for a total delay to the project schedule of six months. Proportional increases in bonds/insurance, contingency, and fee make up the balance of the requested budget change.

Funding for the increase to this project is as follows:

Funding Source	Planning Amount	Proposed Adjustment	Proposed Planning Amount	Debt Service Source
Permanent University Fund	$0	$4,500,000	$4,500,000	Available University Fund
Cash (Chancellor's Research Initiative (CRI – Hassan))	$8,000,000	$0	$8,000,000	N/A
Cash (Designated Tuition)	3,500,000	$(2,000,000)	$1,500,000	N/A
Cash (Indirect Cost Recoveries)	$0	$1,100,000	$1,100,000	N/A
Total Project Cost	$11,500,000	$3,600,000	$15,100,000	

By notice of this memo, the Chief Facilities Officer and Chief Investment Officer and Treasurer have no objections to the requested revision to the project amount; therefore, approval is recommended to increase the project planning amount of the TEES NEEB Project at Texas A&M University from $11,500,000 to $15,100,000. This is an increase of 31%. Unless we receive direction otherwise, the adjustment of the capital plan amount and project funding will be brought forward with the request for construction approval for this project.

Approved:

John Sharp
Chancellor

17 Nov 22
Date

Michael Plank
Chair, Committee on Buildings & Physical Plant

12/1/22
Date

Agenda Item No. 3.4

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval to Amend the FY 2023-FY 2027 Texas A&M University System Capital Plan to Increase the Project Planning Amount for the Texas A&M - Fort Worth Law & Education Building Project and Appropriate Funds for Pre-Construction Services for The Texas A&M University System with an FY 2023 Start Date (Project No. 01-3359)

Background and Prior Actions:

The Texas A&M - Fort Worth Law & Education Building Project was included as a proposed project on the FY 2023 – FY 2027 A&M System Capital Plan approved by the Board at the May 2022 meeting with a planning amount of $85,000,000 as the Ft. Worth Law & Education Alliance Building.

Proposed Board Action:

(1) Amend the approved FY 2023 – FY 2027 Texas A&M University System Capital Plan to increase the project planning amount for the Texas A&M - Fort Worth Law & Education Building Project for The Texas A&M University System (A&M System) with an FY 2023 start date and a total planning amount of $150,000,000.

(2) Appropriate $6,500,000 for pre-construction services and related project costs. $8,500,000 has been previously appropriated to this project.

Funding/Planning Amount:

Funding Source	Planning Amount	Proposed Adjustment	Proposed Planning Amount	Average Estimated Annual Debt Service	Debt Service Source
Permanent University Fund Debt Proceeds	$85,000,000	$40,000,000	$125,000,000	$3,817,638	Available University Fund
Revenue Financing System Debt Proceeds	$0	$10,000,000	$10,000,000	$694,955	Space Use Fees
Revenue Financing System Debt Proceeds	$0	$15,000,000	$15,000,000	$1,891,231	Gifts
Total Project Cost	$85,000,000	$65,000,000	$150,000,000		

Change Justification:

Based upon the completed Program of Requirements, approximately 225,000 gross square feet has been identified for the new Law & Education Building. Added funding beyond the $85,000,000 will allow additional scope of work to be completed. Therefore, in order to complete this scope of work, an additional $65,000,000 is requested to be added to the previous funds allocated for the project.

Project Justification:

The Fort Worth Law & Education Building Project is slated to be the first phase of a multi-phase development on the southeast side of downtown Fort Worth. The proposed development will bring together multiple members of the A&M System in a new model of higher education, creating an environment for multidisciplinary interaction between academic programs, innovative research, state agencies, and private sector partners.

The School of Law was acquired by Texas A&M University in 2013 and is currently housed in the former Southwestern Bell call switching facility that was converted for office use. The school also uses lease space in a building elsewhere in downtown to accommodate its need for additional space. The School of Law continues to rise in ranking and has doubled its student enrollment since 2019; consequently, there is a need to provide a state-of-the art educational environment while accommodating enrollment growth expectations.

The construction of a new urban campus, which includes the School of Law, offers opportunity for cross collaboration at many levels. The Law & Education Building Project will bring both law students and students from other disciplines together in one facility, creating the potential for faculty and students to work in a multidisciplinary environment to address complex real-world problems. The completion of the Research & Innovation Building with Phase 2 of the project will further enhance opportunities for synergistic collaboration by co-locating industry partners with A&M System members conducting research in similar fields of study.

The shared vision of this new urban campus is to create a hub for collaboration between key Fort Worth industries and top research, education and workforce training assets of the A&M System. The shared goal is to spur business and job growth in one of the nation’s fastest growing cities and throughout North Texas.

The expansion of the School of Law and the provision of additional space for other educational programs aligns with the stated goals of Building a Talent Strong Texas and the 60x30TX Plan of the Texas Higher Education Coordinating Board (THECB). The Fort Worth Law & Education Building Project allows the A&M System to continue the degree production increases of recent years and to increase student success, through the combined expertise and resources of multi-disciplinary stakeholders.

Scope:

The Fort Worth Law & Education Building Project is Phase 1 of a Multi-Phase Project for the development of the Texas A&M University Campus in downtown Fort Worth, Texas.

The current proposed campus is composed of four city blocks in a "t" shape, housing three phased buildings. The current Texas A&M School of Law occupies one of the blocks and is proposed to be demolished and provide the site for the new Phase 3 Gateway Building. Phase 1 is the Fort Worth Law & Education Building, which is planned for the southernmost block of the campus, while the Phase 2 Fort Worth Research and Innovation Building will be located on the northern blocks of the campus.

The new Research and Innovation Building will facilitate a range of initiatives involving the A&M System's network of universities and agencies. Emergency response communication, medical technologies, advanced manufacturing, nutrition, biotechnology, medical laboratory science and law - among others, will all be collocated on the campus. The building will be operated as an A&M System campus and can adapt and serve other A&M System members as appropriate.

Specifically, the Fort Worth Law & Education Building Project will be a 225,000 GSF building that will support several Texas A&M University programs, including the School of Law, the College of Engineering, the Mays Business School, and the Health Science Center. Tarleton State University will also offer programs in health sciences.

The building is currently estimated at nine floors. The anticipated space program is delineated by the programs listed below but also includes shared components to better utilize larger instructional spaces across the disciplines. These programs are further identified by space and location in the program section of this Program of Requirements (POR). They will be confirmed during the early design stage as the scope and budget are refined.

The Texas A&M School of Law will be the academic anchor for the new urban campus. It will occupy about 50% of the Fort Worth Law & Education Building Project and provide the first phase of its planned expansion. The remaining development of the School of Law will temporarily be housed in the Fort Worth Research and Innovation Building and eventually permanently in the Phase 3 Gateway Building. The program for the School of Law was developed separately from this program by the firm Facility Programming & Consulting, but the POR has been included as a joint program with the remaining programs noted below.

The Texas A&M University Health Science Center and Tarleton State University Nursing programs will utilize shared space for educational programs. Tarleton State University will also have independent programs in the health sciences and biotechnology fields.

The Mays Business School will have access to office and classroom space to provide a flexible instructional experience. The College of Engineering is planning to expand their program by offering multiple degrees in various laboratory set-ups. The initial program in the Fort Worth Law & Education Building Project will facilitate an introductory instructional approach, while some

advanced labs will be developed and included in the Fort Worth Research and Innovation Building and shared with other research program entities.

As the project progresses, flexible shell space may be identified within the program as a way to accommodate newly established and evolving programs.

Other Major Fiscal Impacts:

None.

Strategic Plan Imperative(s) this Item Advances:

The Texas A&M - Fort Worth Law & Education Building Project supports Strategic Plan Imperatives 1, 4 and 5.

1) All qualified students will find a place in the A&M System and will have an array of pathways to pursue their ambitions and interests.

4) The A&M System will increase its prominence by building a robust and targeted research portfolio. We will continue to encourage cross-institution and cross-discipline collaboration, and we will support our member institutions in their research pursuits, including obtaining emerging research status.

5) The A&M System will provide services that respond to the needs of the people of Texas and contribute to the strength of the state's economy.

The Fort Worth Law & Education Building Project will be a multi-disciplinary building facilitating instruction and research across multiple programs. These programs represent various professional sectors, including law, nursing, business, and engineering. Although each program will have its own specific approach and support for their program, there will be numerous opportunities for shared experiences throughout the building and campus. Almost 50% of the assignable program is dedicated to specialty instructional and research labs for each program to enhance the learning and discovery process. Further, the location in downtown Fort Worth will encourage a stronger relationship between systemwide faculty, staff, and students and industries and professionals in Fort Worth and throughout the Metroplex.

Agenda Item No. 3.4

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Deputy Chancellor and Chief Financial Officer
January 30, 2023

Members, Board of Regents
The Texas A&M University System

Subject: Approval to Amend the FY 2023-FY 2027 Texas A&M University System Capital Plan to Increase the Project Planning Amount for the Texas A&M - Fort Worth Law & Education Building Project and Appropriate Funds for Pre-Construction Services for The Texas A&M University System with an FY 2023 Start Date (Project No. 01-3359)

I recommend adoption of the following minute order:

"The request to amend the FY 2023 – FY 2027 Texas A&M University System Capital Plan to increase the project planning amount for the Texas A&M - Fort Worth Law & Education Building project for The Texas A&M University System with an FY 2023 start date and a total planning amount of $150,000,000 is approved.

The amount of $6,500,000 is appropriated from Account No. 01-084243, Permanent University Fund Debt Proceeds (AUF), for pre-construction services and related project costs.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations."

Respectfully submitted,

[ORIGINAL SIGNED BY]

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Approval Recommended:

[ORIGINAL SIGNED BY]
John Sharp
Chancellor

[ORIGINAL SIGNED BY]
Phillip Ray
Vice Chancellor for Business Affairs

[ORIGINAL SIGNED BY]
Kimberly McCuistion
Associate Vice Chancellor & Director
Texas A&M – Fort Worth

Approved for Legal Sufficiency:

[ORIGINAL SIGNED BY]
Ray Bonilla
General Counsel

Texas A&M - Fort Worth Law & Education Building

The Texas A&M University System **Project No. 01-3359**

TEXAS A&M UNIVERSITY SYSTEM
PERMANENT UNIVERSITY FUND
Texas A&M - Fort Worth Law & Education Building
Available University Fund

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total
BONDS	126,235,000.00			
YEAR 1	122,415,000.00	3,820,000.00	6,311,750.00	10,131,750.00
YEAR 2	118,405,000.00	4,010,000.00	6,120,750.00	10,130,750.00
YEAR 3	114,195,000.00	4,210,000.00	5,920,250.00	10,130,250.00
YEAR 4	109,775,000.00	4,420,000.00	5,709,750.00	10,129,750.00
YEAR 5	105,135,000.00	4,640,000.00	5,488,750.00	10,128,750.00
YEAR 6	100,265,000.00	4,870,000.00	5,256,750.00	10,126,750.00
YEAR 7	95,150,000.00	5,115,000.00	5,013,250.00	10,128,250.00
YEAR 8	89,780,000.00	5,370,000.00	4,757,500.00	10,127,500.00
YEAR 9	84,140,000.00	5,640,000.00	4,489,000.00	10,129,000.00
YEAR 10	78,220,000.00	5,920,000.00	4,207,000.00	10,127,000.00
YEAR 11	72,000,000.00	6,220,000.00	3,911,000.00	10,131,000.00
YEAR 12	65,470,000.00	6,530,000.00	3,600,000.00	10,130,000.00
YEAR 13	58,615,000.00	6,855,000.00	3,273,500.00	10,128,500.00
YEAR 14	51,415,000.00	7,200,000.00	2,930,750.00	10,130,750.00
YEAR 15	43,855,000.00	7,560,000.00	2,570,750.00	10,130,750.00
YEAR 16	35,920,000.00	7,935,000.00	2,192,750.00	10,127,750.00
YEAR 17	27,585,000.00	8,335,000.00	1,796,000.00	10,131,000.00
YEAR 18	18,835,000.00	8,750,000.00	1,379,250.00	10,129,250.00
YEAR 19	9,645,000.00	9,190,000.00	941,750.00	10,131,750.00
YEAR 20	-	9,645,000.00	482,250.00	10,127,250.00
		$ 126,235,000.00	$ 76,352,750.00	$ 202,587,750.00

Estimated Issuance Costs and Rounding of $1,235,000.00 are included in this schedule.
Long-term rates are assumed to be 5.00%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 01/11/2023

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.

TEXAS A&M UNIVERSITY SYSTEM
REVENUE FINANCING SYSTEM
Texas A&M - Fort Worth Law & Education Building
Space Use Fees

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	10,100,000.00				
YEAR 1	9,960,000.00	140,000.00	555,500.00	695,500.00	799,825.00
YEAR 2	9,815,000.00	145,000.00	547,800.00	692,800.00	796,720.00
YEAR 3	9,660,000.00	155,000.00	539,825.00	694,825.00	799,048.75
YEAR 4	9,495,000.00	165,000.00	531,300.00	696,300.00	800,745.00
YEAR 5	9,320,000.00	175,000.00	522,225.00	697,225.00	801,808.75
YEAR 6	9,140,000.00	180,000.00	512,600.00	692,600.00	796,490.00
YEAR 7	8,950,000.00	190,000.00	502,700.00	692,700.00	796,605.00
YEAR 8	8,745,000.00	205,000.00	492,250.00	697,250.00	801,837.50
YEAR 9	8,530,000.00	215,000.00	480,975.00	695,975.00	800,371.25
YEAR 10	8,305,000.00	225,000.00	469,150.00	694,150.00	798,272.50
YEAR 11	8,065,000.00	240,000.00	456,775.00	696,775.00	801,291.25
YEAR 12	7,815,000.00	250,000.00	443,575.00	693,575.00	797,611.25
YEAR 13	7,550,000.00	265,000.00	429,825.00	694,825.00	799,048.75
YEAR 14	7,270,000.00	280,000.00	415,250.00	695,250.00	799,537.50
YEAR 15	6,975,000.00	295,000.00	399,850.00	694,850.00	799,077.50
YEAR 16	6,665,000.00	310,000.00	383,625.00	693,625.00	797,668.75
YEAR 17	6,335,000.00	330,000.00	366,575.00	696,575.00	801,061.25
YEAR 18	5,990,000.00	345,000.00	348,425.00	693,425.00	797,438.75
YEAR 19	5,625,000.00	365,000.00	329,450.00	694,450.00	798,617.50
YEAR 20	5,240,000.00	385,000.00	309,375.00	694,375.00	798,531.25
YEAR 21	4,835,000.00	405,000.00	288,200.00	693,200.00	797,180.00
YEAR 22	4,405,000.00	430,000.00	265,925.00	695,925.00	800,313.75
YEAR 23	3,950,000.00	455,000.00	242,275.00	697,275.00	801,866.25
YEAR 24	3,470,000.00	480,000.00	217,250.00	697,250.00	801,837.50
YEAR 25	2,965,000.00	505,000.00	190,850.00	695,850.00	800,227.50
YEAR 26	2,435,000.00	530,000.00	163,075.00	693,075.00	797,036.25
YEAR 27	1,875,000.00	560,000.00	133,925.00	693,925.00	798,013.75
YEAR 28	1,285,000.00	590,000.00	103,125.00	693,125.00	797,093.75
YEAR 29	660,000.00	625,000.00	70,675.00	695,675.00	800,026.25
YEAR 30	-	660,000.00	36,300.00	696,300.00	800,745.00
		$ 10,100,000.00	$ 10,748,650.00	$ 20,848,650.00	$ 23,975,947.50

Estimated Issuance Costs and Rounding of $100,000.00 are included in this schedule.
Long-term rates are assumed to be 5.50%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 01/11/2023

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.

TEXAS A&M UNIVERSITY SYSTEM
REVENUE FINANCING SYSTEM
Texas A&M - Fort Worth Law & Education Building
Gifts

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	15,150,000.00				
YEAR 1	13,905,000.00	1,245,000.00	643,875.00	1,888,875.00	2,172,206.25
YEAR 2	12,605,000.00	1,300,000.00	590,962.50	1,890,962.50	2,174,606.88
YEAR 3	11,250,000.00	1,355,000.00	535,712.50	1,890,712.50	2,174,319.38
YEAR 4	9,835,000.00	1,415,000.00	478,125.00	1,893,125.00	2,177,093.75
YEAR 5	8,360,000.00	1,475,000.00	417,987.50	1,892,987.50	2,176,935.63
YEAR 6	6,825,000.00	1,535,000.00	355,300.00	1,890,300.00	2,173,845.00
YEAR 7	5,225,000.00	1,600,000.00	290,062.50	1,890,062.50	2,173,571.88
YEAR 8	3,555,000.00	1,670,000.00	222,062.50	1,892,062.50	2,175,871.88
YEAR 9	1,815,000.00	1,740,000.00	151,087.50	1,891,087.50	2,174,750.63
YEAR 10	-	1,815,000.00	77,137.50	1,892,137.50	2,175,958.13
		$ 15,150,000.00	$ 3,762,312.50	$ 18,912,312.50	$ 21,749,159.41

Estimated Issuance Costs and Rounding of $150,000.00 are included in this schedule.
Long-term rates are assumed to be 4.25%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 01/11/2023

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.

Agenda Item No. 3.5

AGENDA ITEM BRIEFING

Submitted by: Dr. John E. Hurtado, Interim Director
Texas A&M Engineering Experiment Station

Subject: Approval of the Revised Project Budget, Appropriation for Construction Services, and Approval for Construction for the Propulsion Test Facility at the TEES Turbomachinery Lab Project, Texas A&M Engineering Experiment Station, College Station, Texas (Project No. 2021-07747)

Background and Prior Actions:

The Propulsion Test Facility at the Texas A&M Engineering Experiment Station (TEES) Turbomachinery Lab Project was included as an approved project on the FY 2023 – FY 2027 A&M System Capital Plan approved by the Board at the May 2022 meeting with a planning amount of $5,000,000.

Proposed Board Action:

(1) Approve the revised project budget.

(2) Appropriate $5,900,000 for construction services and related project costs. $500,000 has been previously appropriated to this project.

(3) Approve construction of the Propulsion Test Facility at the TEES Turbomachinery Lab Project at TEES.

Funding/Budget Amount:

Funding Source	Budget Amount	Proposed Adjustment	Proposed Budget	Average Estimated Annual Debt Service	Debt Service Source
Revenue Financing System Debt Proceeds	$2,300,000	$1,400,000	$3,700,000	$300,050	Indirect Cost Recoveries
Revenue Financing System Debt Proceeds	$1,200,000	$0	$1,200,000	$97,688	Turbomachinery Symposium Revenue
Revenue Financing System Debt Proceeds	$500,000	$0	$500,000	$40,513	Gifts
Cash (Governor's University Research Initiative (GURI))*	$500,000	$0	$500,000	N/A	N/A
Cash AUF (Chancellor's Research Initiative (CRI)) *	$500,000	$0	$500,000	N/A	N/A
Total Project Funds	$5,000,000	$1,400,000	$6,400,000		

*Texas A&M University is using $500,000 of Dr. Robert Ambrose's Governor's University Research Initiative (GURI) Award and $500,000 of Dr. Robert Ambrose's Chancellor's Research Initiative (CRI) Award to provide funding for this project.

Change Justification:

The Program of Requirements (POR) for this project was developed and finalized in June 2021. The POR did not adequately anticipate the escalation of costs. An increase in the capital planning amount is needed to align the budget with the project scope currently identified.

Project Justification:

For over 100 years, TEES has served the citizens of Texas through engineering, technology-oriented research, and educational collaborations. TEES research has made significant impacts on the health, safety and quality of life of Texas citizens and has contributed to the state's economic growth and development. In support of its mission, TEES engineering and technology research programs continue to evolve and expand. To foster this growth, TEES proposes the construction of the Propulsion Test Facility to be located at the existing TEES Turbomachinery Laboratory.

Over the past several years, Texas A&M University (Texas A&M) has assembled a critical mass of faculty members who have complementary research programs in propulsion, energetics, high-speed gas dynamics, power generation, and reacting flows. State-of-the-art research in these areas, both fundamental and applied, requires the ability to reproduce conditions in extreme environments: high pressures, high temperatures, high speeds, and high energy. One aspect that is lacking at Texas A&M but would make the university an unparalleled international leader in this area is a dedicated building to safely perform experiments that require a semi-remote location with unique test facilities and sophisticated instrumentation. Sample experiments include, among others, subscale rocket motor testing; supersonic combustion; high-energy rotating machinery; jet engine combustor test rigs; energetic materials testing; detonation-based propulsion; and advanced optical and laser diagnostics applied to all such experiments. To this end, we propose the establishment of the Propulsion Test Facility.

This undertaking will provide the infrastructure that allows multidisciplinary research to be performed for important defense, energy, and homeland security technologies for many decades beyond the careers of the core faculty members who will initially put the Propulsion Test Facility into operation. Arguably, only one other university in the nation has a similar capability, but combined with Texas A&M's other related strengths such as the Bush Combat Development Center and the National Aerothermochemistry and Hypersonics Lab, the Propulsion Test Facility would give Texas A&M a singular advantage over any other university.

The Propulsion Test Facility satisfies a critical niche between the fundamental, detailed work that a university can do and the full-scale testing that only major government laboratories can perform. The core team of initial researchers and related faculty will be able to leverage the Propulsion Test Facility capability toward the pursuit of major grants from a wide range of government and industry sources in areas ranging from defense, homeland security, and process safety to energy, transportation, and space exploration.

Scope:

The Propulsion Test Facility will be a new approximately 7,000 sf freestanding building to be constructed on the existing TEES Turbomachinery Lab site located at 1485 George Bush Drive West, College Station, Texas 77845. The proposed structure will be constructed to the rear (southeast) of the existing main Turbolab building.

The building will include seven high-pressure test cells with associated control rooms, a laser diagnostic lab and wet lab. All test cells are to be constructed with blast-resistant walls and structural floor anchors for thrust equipment. Test cells will have overhead coiling doors and/or large exterior swing doors for moving in or out various test rigs with exhaust into a semi-remote area. An exterior projectile barrier wall is included behind the new facility.

Propellants to be utilized in test cells may vary but will include both flammable gases and liquids. A provision is included for onsite flammable and explosives storage in limited quantities. Adjacent covered but open exterior storage is included for supporting tanks and equipment.

Construction on this project is scheduled to start in March 2023 with substantial completion scheduled for March 2024. The total project budget is $6,400,000.

Other Major Fiscal Impacts:

None.

Strategic Plan Imperative(s) this Item Advances:

The TEES Propulsion Test Facility Project advances System Strategic Plan Imperative #4, increasing the A&M System's prominence by developing a state-of-the-art propulsion and energetics test facility that will enhance industry-based research.

Agenda Item No. 3.5

TEXAS A&M ENGINEERING EXPERIMENT STATION
Office of the Director
January 5, 2023

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Revised Project Budget, Appropriation for Construction Services, and Approval for Construction for the Propulsion Test Facility at the TEES Turbomachinery Lab Project, Texas A&M Engineering Experiment Station, College Station, Texas (Project No. 2021-07747)

I recommend adoption of the following minute order:

"The project scope along with a revised project budget of $6,400,000 for the Propulsion Test Facility at the Texas Engineering Experiment Station (TEES) Turbomachinery Lab Project is approved.

The amount of $3,700,000 is appropriated from Account No. 01-083538 Revenue Financing System Debt Proceeds (Indirect Cost Recoveries), the amount of $1,200,000 is appropriated from Account No. 01-083538 Revenue Financing System Debt Proceeds (Turbomachinery Symposium Revenue), the amount of $500,000 is appropriated from Account No. 01-083538 Revenue Financing System Debt Proceeds (Gifts), the amount of $250,000 is appropriated from Account No. 02-410551 Governor's University Research Initiative (GURI) and the amount of $250,000 is appropriated from Account No. 02-290316 CRI - Ambrose, for construction services and related project costs.

The Propulsion Test Facility at the TEES Turbomachinery Lab Project, Texas A&M Engineering Experiment Station, College Station, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations."

Respectfully submitted,

[ORIGINAL SIGNED BY]

Dr. John E. Hurtado, Interim Director
Texas A&M Engineering Experiment Station

Approval Recommended:

[ORIGINAL SIGNED BY]

John Sharp
Chancellor

Approved for Legal Sufficiency:

[ORIGINAL SIGNED BY]

Ray Bonilla
General Counsel

[ORIGINAL SIGNED BY]

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

[ORIGINAL SIGNED BY]

Phillip Ray
Vice Chancellor for Business Affairs

PROPULSION TEST FACILITY AT THE TEES TURBOMACHINERY LAB
TEXAS A&M ENGINEERING EXPERIMENT STATION
PROJECT NO. 2021-07747

PROJECT BUDGET

1.	Construction	$5,372,300
2.	Project Contingency	268,611
3.	Program of Requirements	0
4.	Pre-Construction Services	360,181
5.	Commissioning	40,000
6.	Construction Testing	35,000
7.	Campus Services & Technology	40,000
8.	Furnishings	0
9.	Equipment	0
10.	Other Project Costs	97,500
11.	Project Management & Inspection	$186,408
12.	TOTAL ESTIMATED COST OF PROJECT	$6,400,000

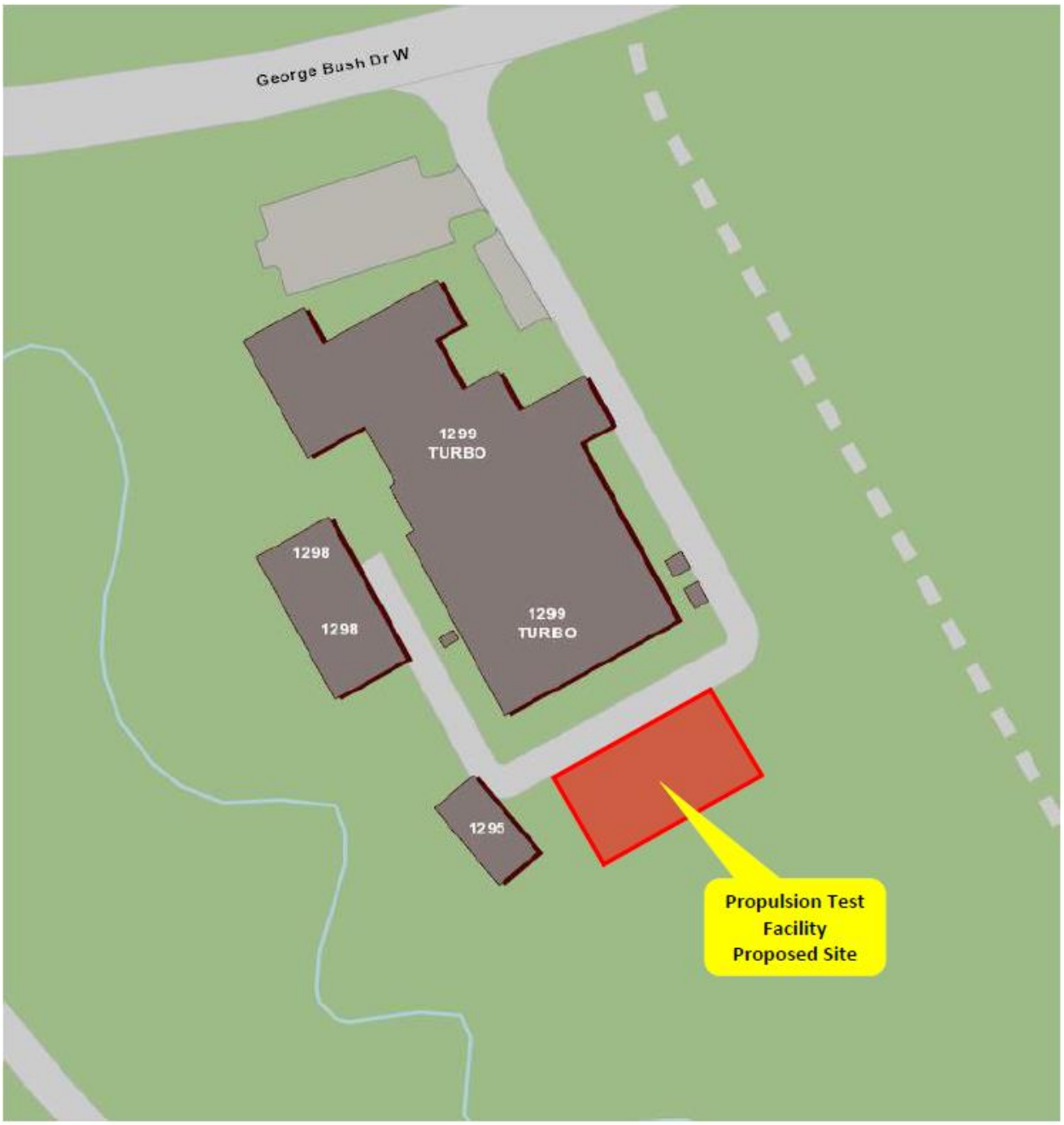
PROPULSION TEST FACILITY AT THE TEES TURBOMACHINERY LAB **PROJECT SCHEDULE**

TEXAS A&M ENGINEERING EXPERIMENT STATION

PROJECT NO. 2021-07747

1. BOR Approval to Include in Capital Plan ..... August 2021
2. Issue A/E RFQ ..... September 2021
3. Receive A/E RFQ Responses ..... September 2021
4. Shortlist A/E Firms ..... October 2021
5. Interview A/E Shortlist ..... October 2021
6. A/E Ranked Order Approved by Chancellor ..... November 2021
7. Execute A/E Agreement ..... December 2021
8. A/E Design Kick-Off ..... December 2021
9. Advertise for CSP ..... August 2022
10. Receive CSP Response ..... September 2022
11. CSP Ranked Order Approved by Chancellor ..... October 2022
12. Complete Schematic Design ..... January 2022
13. Complete Design Development ..... April 2022
14. Complete Construction Documents ..... July 2022
15. Submit THECB Application ..... October 2022
16. BOR Approval for Construction ..... February 2023
17. Begin Construction ..... March 2023
18. Substantial Completion ..... March 2024
19. Owner Occupancy ..... March 2024


TAMU Main Campus
Easterwood Airfield
TAMU West Campus
Turbomachinery Lab
(Proposed Site)



Propulsion Test Facility at the TEES Turbomachinery Lab

Texas A&M Engineering Experiment Station **Project No. 2021-07747**

TEXAS A&M ENGINEERING EXPERIMENT STATION
REVENUE FINANCING SYSTEM
Propulsion Test Facility at the TEES Turbomachinery Lab
Indirect Cost Recoveries

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	3,740,000.00				
YEAR 1	3,625,000.00	115,000.00	187,000.00	302,000.00	347,300.00
YEAR 2	3,505,000.00	120,000.00	181,250.00	301,250.00	346,437.50
YEAR 3	3,380,000.00	125,000.00	175,250.00	300,250.00	345,287.50
YEAR 4	3,250,000.00	130,000.00	169,000.00	299,000.00	343,850.00
YEAR 5	3,115,000.00	135,000.00	162,500.00	297,500.00	342,125.00
YEAR 6	2,970,000.00	145,000.00	155,750.00	300,750.00	345,862.50
YEAR 7	2,820,000.00	150,000.00	148,500.00	298,500.00	343,275.00
YEAR 8	2,660,000.00	160,000.00	141,000.00	301,000.00	346,150.00
YEAR 9	2,495,000.00	165,000.00	133,000.00	298,000.00	342,700.00
YEAR 10	2,320,000.00	175,000.00	124,750.00	299,750.00	344,712.50
YEAR 11	2,135,000.00	185,000.00	116,000.00	301,000.00	346,150.00
YEAR 12	1,940,000.00	195,000.00	106,750.00	301,750.00	347,012.50
YEAR 13	1,735,000.00	205,000.00	97,000.00	302,000.00	347,300.00
YEAR 14	1,520,000.00	215,000.00	86,750.00	301,750.00	347,012.50
YEAR 15	1,295,000.00	225,000.00	76,000.00	301,000.00	346,150.00
YEAR 16	1,060,000.00	235,000.00	64,750.00	299,750.00	344,712.50
YEAR 17	815,000.00	245,000.00	53,000.00	298,000.00	342,700.00
YEAR 18	555,000.00	260,000.00	40,750.00	300,750.00	345,862.50
YEAR 19	285,000.00	270,000.00	27,750.00	297,750.00	342,412.50
YEAR 20	-	285,000.00	14,250.00	299,250.00	344,137.50
		$ 3,740,000.00	$ 2,261,000.00	$ 6,001,000.00	$ 6,901,150.00

Estimated issuance costs and rounding of $40,000 are included in this schedule.
Long-term rates are assumed to be 5.00%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 11/30/2022

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.

TEXAS A&M ENGINEERING EXPERIMENT STATION
REVENUE FINANCING SYSTEM
Propulsion Test Facility at the TEES Turbomachinery Lab
Symposium Revenue

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	1,215,000.00				
YEAR 1	1,180,000.00	35,000.00	60,750.00	95,750.00	110,112.50
YEAR 2	1,140,000.00	40,000.00	59,000.00	99,000.00	113,850.00
YEAR 3	1,100,000.00	40,000.00	57,000.00	97,000.00	111,550.00
YEAR 4	1,060,000.00	40,000.00	55,000.00	95,000.00	109,250.00
YEAR 5	1,015,000.00	45,000.00	53,000.00	98,000.00	112,700.00
YEAR 6	970,000.00	45,000.00	50,750.00	95,750.00	110,112.50
YEAR 7	920,000.00	50,000.00	48,500.00	98,500.00	113,275.00
YEAR 8	870,000.00	50,000.00	46,000.00	96,000.00	110,400.00
YEAR 9	815,000.00	55,000.00	43,500.00	98,500.00	113,275.00
YEAR 10	760,000.00	55,000.00	40,750.00	95,750.00	110,112.50
YEAR 11	700,000.00	60,000.00	38,000.00	98,000.00	112,700.00
YEAR 12	635,000.00	65,000.00	35,000.00	100,000.00	115,000.00
YEAR 13	570,000.00	65,000.00	31,750.00	96,750.00	111,262.50
YEAR 14	500,000.00	70,000.00	28,500.00	98,500.00	113,275.00
YEAR 15	425,000.00	75,000.00	25,000.00	100,000.00	115,000.00
YEAR 16	350,000.00	75,000.00	21,250.00	96,250.00	110,687.50
YEAR 17	270,000.00	80,000.00	17,500.00	97,500.00	112,125.00
YEAR 18	185,000.00	85,000.00	13,500.00	98,500.00	113,275.00
YEAR 19	95,000.00	90,000.00	9,250.00	99,250.00	114,137.50
YEAR 20	-	95,000.00	4,750.00	99,750.00	114,712.50
		$ 1,215,000.00	$ 738,750.00	$ 1,953,750.00	$ 2,246,812.50

Estimated issuance costs and rounding of $15,000 are included in this schedule.
Long-term rates are assumed to be 5.00%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 11/30/2022

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.

TEXAS A&M ENGINEERING EXPERIMENT STATION
REVENUE FINANCING SYSTEM
Propulsion Test Facility at the TEES Turbomachinery Lab
Gifts

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	505,000.00				
YEAR 1	490,000.00	15,000.00	25,250.00	40,250.00	46,287.50
YEAR 2	475,000.00	15,000.00	24,500.00	39,500.00	45,425.00
YEAR 3	460,000.00	15,000.00	23,750.00	38,750.00	44,562.50
YEAR 4	440,000.00	20,000.00	23,000.00	43,000.00	49,450.00
YEAR 5	420,000.00	20,000.00	22,000.00	42,000.00	48,300.00
YEAR 6	400,000.00	20,000.00	21,000.00	41,000.00	47,150.00
YEAR 7	380,000.00	20,000.00	20,000.00	40,000.00	46,000.00
YEAR 8	360,000.00	20,000.00	19,000.00	39,000.00	44,850.00
YEAR 9	335,000.00	25,000.00	18,000.00	43,000.00	49,450.00
YEAR 10	310,000.00	25,000.00	16,750.00	41,750.00	48,012.50
YEAR 11	285,000.00	25,000.00	15,500.00	40,500.00	46,575.00
YEAR 12	260,000.00	25,000.00	14,250.00	39,250.00	45,137.50
YEAR 13	235,000.00	25,000.00	13,000.00	38,000.00	43,700.00
YEAR 14	205,000.00	30,000.00	11,750.00	41,750.00	48,012.50
YEAR 15	175,000.00	30,000.00	10,250.00	40,250.00	46,287.50
YEAR 16	145,000.00	30,000.00	8,750.00	38,750.00	44,562.50
YEAR 17	110,000.00	35,000.00	7,250.00	42,250.00	48,587.50
YEAR 18	75,000.00	35,000.00	5,500.00	40,500.00	46,575.00
YEAR 19	40,000.00	35,000.00	3,750.00	38,750.00	44,562.50
YEAR 20	-	40,000.00	2,000.00	42,000.00	48,300.00
		$ 505,000.00	$ 305,250.00	$ 810,250.00	$ 931,787.50

Estimated issuance costs and rounding of $5,000 are included in this schedule.
Long-term rates are assumed to be 5.00%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 11/30/2022

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.

Funded by the $20M J. Mike Walker Gift held at the TAMU Foundation.

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval to Amend the FY 2023-FY 2027 Texas A&M University System Capital Plan to Add the Texas A&M Health ESCO 2023 Project for Texas A&M University Health Science Center with an FY 2023 Start Date (Project No. 23-3412)

Proposed Board Action:

(1) Amend the approved FY 2023-FY 2027 Texas A&M University System Capital Plan to add the Texas A&M Health ESCO 2023 Project for Texas A&M University Health Science Center (Texas A&M Health) with an FY 2023 start date and a total planning amount of $14,745,526.

(2) Approve the project scope and budget.

(3) Appropriate $14,745,526 for pre-construction services, construction services, and related project costs.

(4) Approve construction of the Texas A&M Health ESCO 2023 Project at Texas A&M Health.

Funding/Planning Amount:

Funding Source	Planning Amount	Average Estimated Annual Debt Service	Debt Service Source
Permanent University Fund Debt Proceeds	$14,745,526	$1,195,263	Available University Fund
Total Project Cost	$14,745,526		

*Texas A&M Health is using $14,745,526 of its PUF Equipment Allocations to provide funding for this project. These funds have been reverted to the system so they can be appropriated to this major project.

Project Justification:

This project will upgrade 10 facilities to improve operating efficiencies and environment through upgrading lighting systems, water fixtures, network thermostats, laboratory controls, transformers, and air handling units at the end of their useful lives. This will also reduce utility consumption and greenhouse gas emissions. The multi-campus facilities vary by age, size, and use and total 1,082,754 square feet. The Investment Grade Audit (IGA) showed utility consumption reduction opportunities of approximately 13.8% for electricity consumption, 12.7% for district chilled water demand assessments, 7.7% for district steam demand, and 2.3% of water and wastewater which would yield more than $672,000 in average annual utility cost savings.

Through The Texas A&M University System (A&M System) negotiated energy savings program contracts, Texas A&M Health invited the four A&M System-approved Energy Service Companies (ESCOs) to conduct presentations and then invited ESCO(s) to participate in a Preliminary Utility Audit (PUA) at its campus. Texas A&M Health selected Ameresco as the ESCO contractor to proceed with for negotiation of a campus-wide IGA, also referred to as a Utility Audit Report (UAR) or Energy Audit Report. Time had elapsed between when the PUAs were done and when Texas A&M Health made their final selection, so they utilized The Interlocal Purchasing System (TIPS) which had issued an RFQ resulting in a list of providers under a Master Services agreement for performing IGAs/ UARs, Project Proposals, and Energy Savings Performance Contracts. Texas A&M University is a TIPS member and has utilized this procurement methodology under TIPS RFQ 170103. Through the IGA, the ESCO contractor (i) collected data related to Texas A&M Health's use and operation of the premises, which included observations of the premises, determination of the base year energy consumption, financial analyses of the cost and benefit of energy and water conservation measures; and (ii) prepared a detailed Energy Audit Report, which analyzed current energy consumption at the premises, made recommendations for energy efficient equipment upgrades, energy conservation measures, and a detailed analysis of implementation costs, anticipated energy and water savings resulting from such improvements and assumptions upon which the projected savings are based. The Energy Audit Report provided Texas A&M Health with the information necessary for the evaluation of the costs and benefits of proceeding with the utility consumption reduction project.

Cost avoidance from energy consumption reduction guaranteed by an ESCO will generate financial benefit over a projected 20-year project lifecycle. Energy savings projects of this type are also required to submit required documentation in order to receive approval by the Texas Higher Education Coordinating Board (THECB), who originally established review and approval process guidelines in consultation with the State Energy Conservation Office (SECO). The application for this project will be evaluated on technical and financial requirements and selected for funding based upon meeting strict engineering and financial merits. If the projected energy consumption avoidance is not achieved, the ESCO will be responsible for any guaranteed utility savings shortfall. For this project, a $14.7 million cash price is projected.

Scope:

The IGA identified a list of facilities to be audited and upgraded with lighting improvements, HVAC equipment upgrades, Building Automation System upgrades, laboratory control upgrades, and water fixture upgrades as recommended. During the IGA, the facilities were further defined with the final facility list as shown below.

Bldg. No.	Building Name	Campus Location	Project Designation	Year	Floors	Gross Square Feet
1000	Health Professions Education Building	Bryan	Health Professions	2010	4	132,483
1001	Medical Research Education Building [I]	Bryan	Medical Research I	2010	4	131,009
1004	Medical Research Education Building Annex	Bryan	Medical Research Annex	2015	2	57,278
1504	Reynolds Medical Sciences Building	College Station	Medical Sciences	1983	4	169,859
1518	School of Public Health A	College Station	Public Health A	2006	3	69,079
1519	School of Public Health B	College Station	Public Health B	2006	2	24,761
1520	School of Public Health C	College Station	Public Health C	2006	1	13,264
3500	Alkek Institute of Bioscience and Technology Building	Houston	Alkek Building	1991	11	228,420
3600	College of Dentistry Building	Dallas	Dentistry Building	1948	8	255,000
3601	College of Dentistry Imaging Center	Dallas	Imaging Center	1994	1	1,600
						1,082,754

The recommended energy and water conservation measures (ECMs) that will reduce energy and operational costs at the 10 facilities were evaluated. These facilities are of different age and type and comprise a cross section of facilities. The audited campus facilities represent 1,082,754 square feet. Texas A&M Health will improve the quality of the teaching, learning, and research environment and be able to promote a more sustainable image with greenhouse gas reductions.

Measurable success will be based on post-construction verification of:

- Reduction in electricity consumption by 2,960,480 kilowatt-hours (kWh) each year
- Reduction in district chilled water consumption by 18,541,804 ton-hours each year
- Reduction in district chilled water demand assessments by 23,615 ton-hours/day each year
- Reduction in district steam demand assessments by 59,657 pounds/day each year
- Reduction in water consumption 711,000 gallons each year

The project will use a Design Build (DB) delivery method in which the first step included an Investment Grade Audit (IGA)/Utility Audit Report (UAR); a Measurement and Verification Plan (M&V); a Sample Periodic Savings Report; and Project Proposal. The project was then reviewed by an independent third-party professional engineer licensed in the state of Texas pursuant to the Texas Engineering Practice Act, Texas Occupations Code, Chapter 1001. If the project criteria identified within the Preliminary Energy Audit are met, the project may move to the next step, an Energy Savings Performance Contract (ESPC).

All construction in this project shall meet all applicable codes and standards identified within the FP&C Facility Design Guidelines, including NFPA Life Safety Codes and Texas Accessibility Standards.

Any related agreements prepared for this project will be reviewed and approved by the Office of General Counsel prior to execution.

Construction on this project is scheduled to start in August 2023 with substantial completion scheduled for November 2024. The total project budget is $14,745,526.

Other Major Fiscal Impacts:

None.

Strategic Plan Imperative(s) this Item Advances:

The Project supports Strategic Plan Imperative 6, "The A&M System, in adhering to the high standard of excellence and growth required in this strategic plan, will display prudent financial stewardship and sustainability. Our member institutions will be diligent about their plans for growth, and the A&M System will ensure financially sound decision-making at the aggregate level. We have robust financial management capabilities in place and will continue to manage the A&M System's financial health in a holistic manner." Texas A&M Health is leveraging available electricity, steam, and water savings to fund utility consumption reduction measures that are both economically and environmentally sustainable. This will be accomplished by providing lighting, infrastructure, and water upgrades throughout buildings across the Texas A&M Health campuses in a largely budget neutral manner for most measures, with the replacement of air handling units being an end of useful life capital item. These measures will improve the quality of facilities for students, faculty, and staff; as well as provide a meaningful reduction in the deferred maintenance backlog while supplementing the campus' capacity for growth by addressing these infrastructure needs.

Agenda Item No. 3.6

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Deputy Chancellor and Chief Financial Officer
January 2, 2023

Members, Board of Regents
The Texas A&M University System

Subject: Approval to Amend the FY 2023-FY 2027 Texas A&M University System Capital Plan to Add the Texas A&M Health ESCO 2023 Project for Texas A&M University Health Science Center with an FY 2023 Start Date (Project No.23-3412)

I recommend adoption of the following minute order:

"The request to amend the FY 2023-FY 2027 Texas A&M University System Capital Plan to add the Texas A&M Health ESCO 2023 Project for Texas A&M University Health Science Center (Texas A&M Health) with an FY 2023 start date and a total planning amount of $14,745,526 is approved.

The project scope along with a project budget up to $14,745,526 for the Texas A&M Health ESCO 2023 Project is approved.

The amount up to $14,745,526 is appropriated from Account No. 01-084243 Permanent University Fund Debt Proceeds (AUF) for pre-construction services, construction services and related project costs.

The Texas A&M Health ESCO 2023 Project, Texas A&M University Health Science Center, Bryan, College Station, Dallas, and Houston, Texas is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations

is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).”

Respectfully submitted,

[ORIGINAL SIGNED BY]

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Approval Recommended:

[ORIGINAL SIGNED BY]
John Sharp
Chancellor

[ORIGINAL SIGNED BY]
Phillip Ray
Vice Chancellor for Business Affairs

[ORIGINAL SIGNED BY]
M. Katherine Banks, Ph.D., President
Texas A&M University

[ORIGINAL SIGNED BY]
Jon Mogford, Ph.D., Chief Operating Officer
Texas A&M University Health Science Center

Approved for Legal Sufficiency:

[ORIGINAL SIGNED BY]
Ray Bonilla
General Counsel

TEXAS A&M HEALTH ESCO 2023 **PROJECT BUDGET**
TEXAS A&M UNIVERSITY
PROJECT NO. 23-3412

1.	Amount Available for Construction Contract	$13,676,055
2.	Project Owner Contingency	$683,802
3.	3rd Party Engineering Verification	$5,000
4.	FP&C Management Fee	$380,669
5.	TOTAL ESTIMATED COST OF PROJECT	$14,745,526

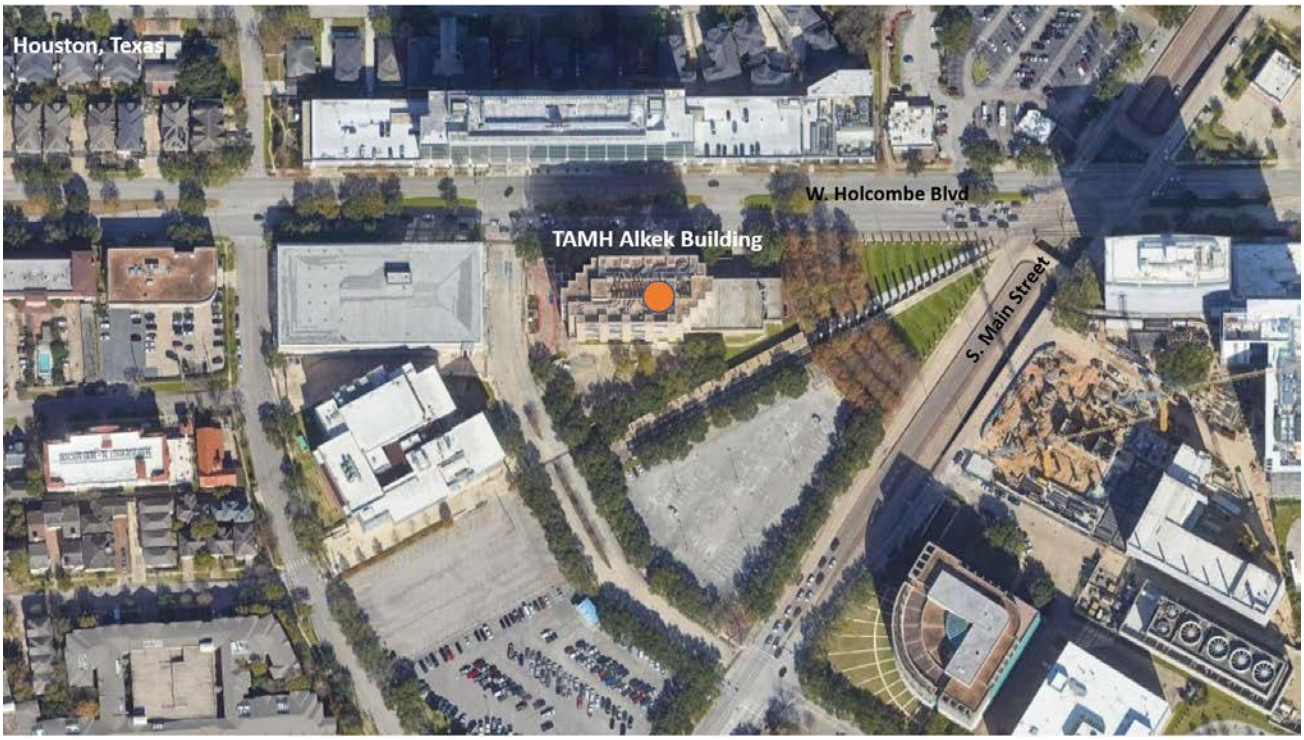
TEXAS A&M HEALTH ESCO 2023
TEXAS A&M UNIVERSITY
PROJECT NO. 23-3412

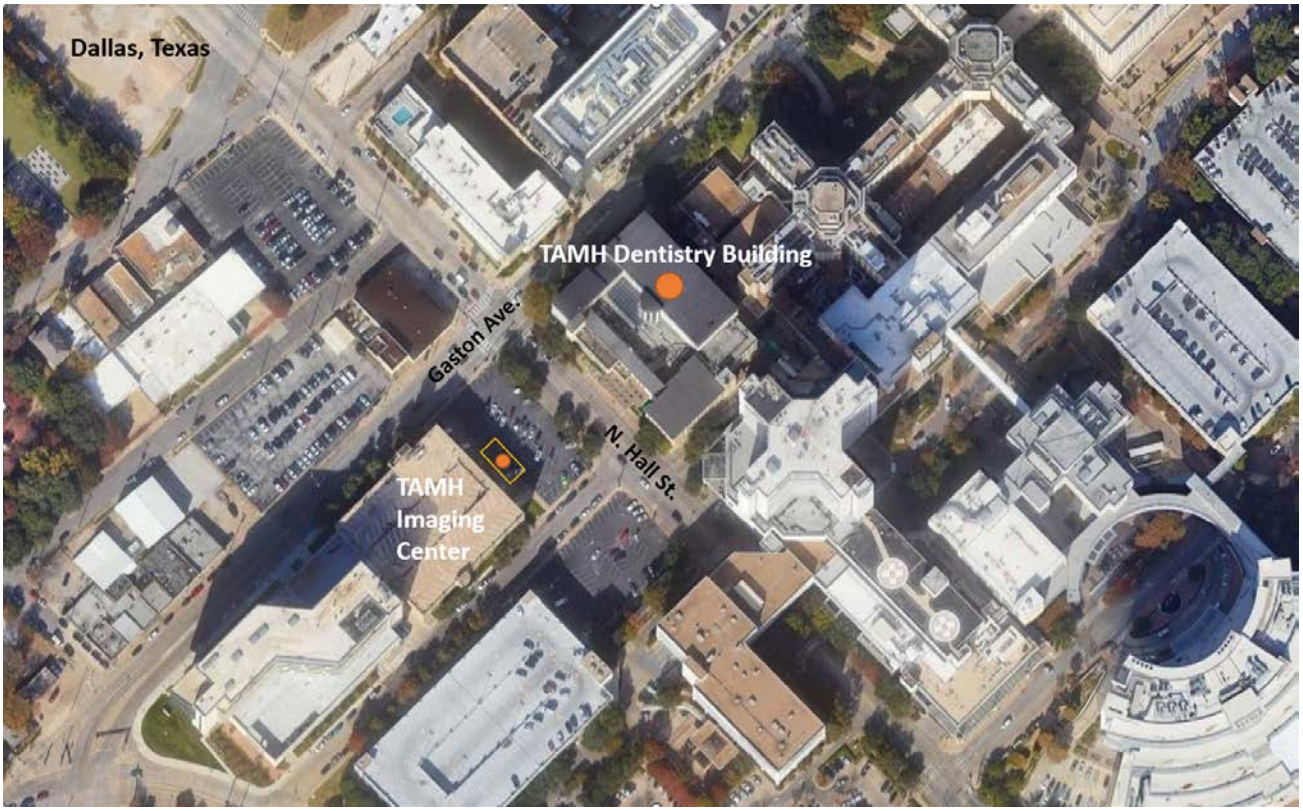
PROJECT SCHEDULE

1. Authorization to Proceed with Investment Grade Audit ..... February 4, 2022
2. Receive GMP ..... October 27, 2022
3. Submit IGA Package for Review ..... November 18, 2022
4. Investment Grade Audit Complete ..... November 18, 2022
5. Complete Program of Requirements ..... November 18, 2022
6. Submit IGA Report for 3rd Party Verification ..... November 21, 2022
7. Submit Agenda Item to Chancellor's Office for February 2023 BOR ..... December 12, 2022
8. Comments Submitted to ESCO ..... January 4, 2023
9. Third Party Verification Complete ..... January 6, 2023
10. BOR Approval for Construction ..... February 9, 2023
11. Submit THECB Application ..... March 2023
12. Approval by THECB Committee ..... April 2023
13. Begin Construction ..... August 2023
14. Substantial Completion ..... November 2024
15. Owner Occupancy ..... December 2024

Texas A&M Health ESCO 2023

Texas A&M University Health Science Center **Project No. 23-3412**


Houston, Texas
W. Holcombe Blvd
TAMH Alkek Building
S. Main Street


Dallas, Texas
TAMH Dentistry Building
Gaston Ave.
N. Hall St.
TAMH
Imaging
Center

TEXAS A&M UNIVERSITY HEALTH SCIENCE CENTER
PERMANENT UNIVERSITY FUND
23-3412 ESCO 2023
Available University Fund

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total
BONDS	14,895,000.00			
YEAR 1	14,445,000.00	450,000.00	744,750.00	1,194,750.00
YEAR 2	13,970,000.00	475,000.00	722,250.00	1,197,250.00
YEAR 3	13,475,000.00	495,000.00	698,500.00	1,193,500.00
YEAR 4	12,955,000.00	520,000.00	673,750.00	1,193,750.00
YEAR 5	12,410,000.00	545,000.00	647,750.00	1,192,750.00
YEAR 6	11,835,000.00	575,000.00	620,500.00	1,195,500.00
YEAR 7	11,230,000.00	605,000.00	591,750.00	1,196,750.00
YEAR 8	10,595,000.00	635,000.00	561,500.00	1,196,500.00
YEAR 9	9,930,000.00	665,000.00	529,750.00	1,194,750.00
YEAR 10	9,230,000.00	700,000.00	496,500.00	1,196,500.00
YEAR 11	8,495,000.00	735,000.00	461,500.00	1,196,500.00
YEAR 12	7,725,000.00	770,000.00	424,750.00	1,194,750.00
YEAR 13	6,915,000.00	810,000.00	386,250.00	1,196,250.00
YEAR 14	6,065,000.00	850,000.00	345,750.00	1,195,750.00
YEAR 15	5,175,000.00	890,000.00	303,250.00	1,193,250.00
YEAR 16	4,240,000.00	935,000.00	258,750.00	1,193,750.00
YEAR 17	3,255,000.00	985,000.00	212,000.00	1,197,000.00
YEAR 18	2,225,000.00	1,030,000.00	162,750.00	1,192,750.00
YEAR 19	1,140,000.00	1,085,000.00	111,250.00	1,196,250.00
YEAR 20	-	1,140,000.00	57,000.00	1,197,000.00
		$ 14,895,000.00	$ 9,010,250.00	$ 23,905,250.00

Estimated Issuance Costs and Rounding of $149,400.00 are included in this schedule.
Long-term rates are assumed to be 5.0%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 12/08/2022

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.

Agenda Item No. 3.7

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval to Amend the FY 2023-FY 2027 Texas A&M University System Capital Plan to Increase the Project Planning Amount, and Appropriate Funds for Pre-Construction Services and Related Project Costs for the Engineering Classroom & Research Building Project for Texas A&M University at Galveston with an FY 2023 Start Date (Project No. 10-3381)

Background and Prior Actions:

The Engineering Classroom & Research Building Project was added to the FY 2022 – FY 2026 A&M System Capital Plan after legislative approval of the Capital Construction Assistance Projects. The project was included as an approved project on the FY 2023 – FY 2027 A&M System Capital Plan approved by the Board at the May 2022 meeting with a planning amount of $44,992,125, pending completion of a Program of Requirements.

Proposed Board Action:

(1) Amend the approved FY 2023-FY 2027 Texas A&M University System Capital Plan to increase the project planning amount for the Engineering Classroom & Research Building Project for Texas A&M University at Galveston with an FY 2023 start date and a total planning amount of $50,992,125.

(2) Appropriate $5,099,000 for pre-construction services and related project costs, contingent upon the completion of a Program of Requirements (POR) scoped to the approved budget.

Funding/Planning Amount:

Funding Source	Planning Amount	Proposed Adjustment	Proposed Planning Amount	Average Estimated Annual Debt Service	Debt Service Source
Revenue Financing System Debt Proceeds	$33,692,125	$0	$33,692,125	$2,937,655	Capital Construction Assistance Project
Cash (TAMU Available University Fund)	$11,300,000	$3,000,000	$14,300,000	N/A	N/A
Cash (Designated Tuition)	$0	$2,000,000	$2,000,000	N/A	N/A
Cash (Chartwells Revenue)	$0	$1,000,000	$1,000,000	N/A	N/A
Total Project Cost	$44,992,125	$6,000,000	$50,992,125		

Change Justification:

Per the final draft of the Program of Requirements, approximately 51,300 gross square feet has been identified for the new Engineering Classroom & Research Building (ECRB). The total project costs for this scope of work is estimated to be $50,992,125 by the programming firm. Therefore, in order to complete this scope of work, an additional $6,000,000 is requested to be added to the previous funds allocated for the project.

Project Justification:

Currently, the College of Engineering (COE) has two functioning programs on the Galveston campus. These include freshman engineering (EASA/ENGE) and Ocean Engineering (OCEN). The programs reside in the Powell Marine Engineering Complex (PMEC) and share the space with Galveston's Marine Engineering Technology (MARE) program. As these programs grow and the College of Engineering adds additional programs to the Galveston campus, there is a need for additional space in the form of a new engineering building. The new engineering building on the Galveston campus will house the Freshman Engineering Program and four additional academic programs that include:

1. Environmental Engineering (EVEN)
2. Interdisciplinary Engineering (ITDE)
3. Multidisciplinary Engineering Technology (MXET)
4. Ocean Engineering (OCEN)

A previously completed space analysis (completed in 2018) indicates that the COE programs will need approximately 59,000 sq ft of assignable space for operation when fully staffed and at maximum projected enrollment. This does not include the MARE program which, using similar assumptions made for the COE, needs an additional 22,000 sq ft of assignable space. Thus, the actual total space need, shared between the new engineering building and the current PMEC building, is approximately 81,000 sq ft of assignable space.

While this is a preliminary analysis, measures have been taken to reduce the amount of space needed through the use of cubicle areas, shared laboratories, and refinement of personnel projections.

In order to accommodate these space needs, the COE will use a phased approach to building construction. In this first phase, Engineering Building Phase 1 (EBP1) will create approximately 30,000 sq ft of assignable space to serve as a centerpiece for the freshman and new four-year engineering programs. It is anticipated that this new facility will cover most of the space needs as the new programs kick off and start to grow. However, this building will be constructed adjacent to the current PMEC which houses the Marine Engineering Technology program and will continue to support the new engineering programs with needed classroom, academic laboratory, research laboratory and administration space. In addition, the new engineering programs will continue to leverage classroom space across the Galveston campus for needs over and above the space provided in Engineering Building Phase 1. Eventually, as the programs outgrow the space in the new building, additional phases of construction will be considered.

Scope:

The new engineering building is intended to be a showcase facility supporting the administrative, academic, and research missions of the COE in Galveston. To this end, the building will support:

- Administrative offices for advising students, running the programs, housing faculty, staff and graduate students, and supporting the freshman engineering program. This also includes space such as conference rooms, break rooms and storage.
- Classroom space to support the engineering and engineering technology programs as well as the freshman engineering program. This space will be a mix of traditional classroom space as well as more modern active learning spaces based on the Zachry Engineering Education Complex building model.
- Academic laboratory spaces that will support the teaching of lab-oriented courses. Shared lab spaces, both in the new building and in the existing PMEC building will be used when possible to host facilities that can support multiple engineering and engineering technology programs. For example, laboratories where this might be appropriate include facilities for teaching programming, circuits, electronics, statics, dynamics, materials and thermodynamics. It is recognized that there will be a need for program-specific laboratory spaces as well.
- Flexible research laboratory space to support faculty-led research programs. The program envisions providing a lab warm shell space providing infrastructure, sinks, support alcoves and shared fume hood access. These spaces will be assigned as needed and customized based on the research being done.
- Group study space offering open and enclosed areas where students can collaborate and work on academic assignments. This may also include facilities for printing and displaying/sharing computer screens.
- A maker space to support student projects allowing them to design and develop physical prototypes for projects. In particular, the maker space will support all capstone design projects. It is anticipated that the space would support simple electronics and mechanical hardware development through tools such as 3D printers, computer numerically controlled (CNC) machining systems, laser cutters/etchers, and printed circuit board (PCB) manufacture and soldering. It is envisioned that the maker space will be on the first floor and serve as a focal point for the building.
- Other support spaces as needed such as restrooms, facilities for maintenance and the like.

Other Major Fiscal Impacts:

None.

Strategic Plan Imperative(s) this Item Advances:

Strategic Imperative #1: All qualified students will find a place in the A&M System and will have an array of pathways to pursue their ambitions and interests. We will develop a coordinated recruitment and admissions strategy for the A&M System and create coherent pathways among institutions.

The ECRB will support this strategic imperative by creating new space to allow the College of Engineering and the Galveston campus to improve recruiting and retention to six engineering and engineering technology degree programs in Galveston.

Strategic Imperative #3: Our students will leave the A&M System as responsible and engaged citizens prepared for successful careers in an increasingly global economy. Our member institutions will develop the educational experiences, experiential opportunities, and service opportunities that our students need to succeed post-graduation in a global economy.

The ECRB will provide state of the art teaching and research spaces that will provide students educational experiences and opportunities to learn about and solve real world problems.

Strategic Imperative # 4: The A&M System will increase its prominence by building a robust and targeted research portfolio. We will continue to encourage cross-institution and cross-discipline collaboration, and we will support our member institutions in their research pursuits, including obtaining emerging research status.

Collaboration is the foundation for the ECRB with research spaces designed to be shared and to encourage cross-discipline cooperation. In addition, many academic spaces will be designed to be shared across degree programs.

Agenda Item No. 3.7

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Deputy Chancellor and Chief Financial Officer
January 3, 2023

Members, Board of Regents
The Texas A&M University System

Subject: Approval to Amend the FY 2023-FY 2027 Texas A&M University System Capital Plan to Increase the Project Planning Amount, and Appropriate Funds for Pre-Construction Services and Related Project Costs for the Engineering Classroom & Research Building Project for Texas A&M University at Galveston with an FY 2023 Start Date (Project No. 10-3381)

I recommend adoption of the following minute order:

"The request to amend the FY 2023-FY 2027 Texas A&M University System Capital Plan to increase the project planning amount for the Engineering Classroom & Research Building Project for Texas A&M University at Galveston with an FY 2023 start date and a total planning amount of $50,992,125 is approved.

Contingent upon the completion of the Program of Requirements, the amount of $5,099,000 is appropriated from Account No. 01-083540, Revenue Financing System Debt Proceeds (Capital Construction Assistance Project), for pre-construction services and related project costs.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations."

Respectfully submitted,

[ORIGINAL SIGNED BY]

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Approval Recommended:

[ORIGINAL SIGNED BY]

John Sharp
Chancellor

[ORIGINAL SIGNED BY]

Phillip Ray
Vice Chancellor for Business Affairs

[ORIGINAL SIGNED BY]

M. Katherine Banks, Ph.D., President
Texas A&M University

[ORIGINAL SIGNED BY]

Col Michael E. Fossum '80, USAFR (Ret.)
Chief Operating Officer
Texas A&M University at Galveston

Approved for Legal Sufficiency:

[ORIGINAL SIGNED BY]

Ray Bonilla
General Counsel

Engineering Classroom & Research Building

Texas A&M University at Galveston **Project No. 10-3381**

TEXAS A&M UNIVERSITY at GALVESTON
REVENUE FINANCING SYSTEM
10-3381 Engineering Classroom and Research Building
Capital Construction Assistance Project (CCAP)

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total
BONDS	33,695,000.00			
YEAR 1	32,780,000.00	915,000.00	2,021,700.00	2,936,700.00
YEAR 2	31,810,000.00	970,000.00	1,966,800.00	2,936,800.00
YEAR 3	30,780,000.00	1,030,000.00	1,908,600.00	2,938,600.00
YEAR 4	29,690,000.00	1,090,000.00	1,846,800.00	2,936,800.00
YEAR 5	28,535,000.00	1,155,000.00	1,781,400.00	2,936,400.00
YEAR 6	27,310,000.00	1,225,000.00	1,712,100.00	2,937,100.00
YEAR 7	26,010,000.00	1,300,000.00	1,638,600.00	2,938,600.00
YEAR 8	24,630,000.00	1,380,000.00	1,560,600.00	2,940,600.00
YEAR 9	23,170,000.00	1,460,000.00	1,477,800.00	2,937,800.00
YEAR 10	21,620,000.00	1,550,000.00	1,390,200.00	2,940,200.00
YEAR 11	19,980,000.00	1,640,000.00	1,297,200.00	2,937,200.00
YEAR 12	18,240,000.00	1,740,000.00	1,198,800.00	2,938,800.00
YEAR 13	16,395,000.00	1,845,000.00	1,094,400.00	2,939,400.00
YEAR 14	14,440,000.00	1,955,000.00	983,700.00	2,938,700.00
YEAR 15	12,370,000.00	2,070,000.00	866,400.00	2,936,400.00
YEAR 16	10,175,000.00	2,195,000.00	742,200.00	2,937,200.00
YEAR 17	7,850,000.00	2,325,000.00	610,500.00	2,935,500.00
YEAR 18	5,385,000.00	2,465,000.00	471,000.00	2,936,000.00
YEAR 19	2,770,000.00	2,615,000.00	323,100.00	2,938,100.00
YEAR 20	-	2,770,000.00	166,200.00	2,936,200.00
		$ 33,695,000.00	$ 25,058,100.00	$ 58,753,100.00

Estimated rounding of $2,875 is included in this schedule.
Long-term rates are assumed to be 6.00%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 12/05/2022

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.

Agenda Item No. 3.8

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval to Amend the FY 2023 – FY 2027 Texas A&M University System Capital Plan to Increase the Project Planning Amount, and Appropriate Funds for Pre-Construction Services and Related Project Costs for the Infrastructure, Dock Improvements and Ship FF&E - Ph II Project for Texas A&M University at Galveston with an FY 2023 Start Date (Project No. 10-3354)

Background and Prior Actions:

The Infrastructure, Dock Improvements and Ship FF&E - Ph II Project was included as a proposed project on the FY 2022 – FY 2026 A&M System Capital Plan approved by the Board at the August 2021 meeting with a planning amount of $10,000,000.

Proposed Board Action:

(1) Amend the approved FY 2023 – FY 2027 Texas A&M University System Capital Plan to increase the planning amount of the Infrastructure, Dock Improvements and Ship FF&E - Ph II Project for Texas A&M University at Galveston (TAMUG) with an FY 2023 start date and a total planning amount of $75,000,000.

(2) Appropriate $7,500,000 for pre-construction services and related project costs, contingent upon the completion of a Program of Requirements (POR) scoped to the approved budget.

Funding/Planning Amount:

Funding Source	Planning Amount	Proposed Adjustment	Proposed Planning Amount	Average Estimated Annual Debt Service	Debt Service Source
Cash (General Revenue)*	$10,000,000	$0	$10,000,000	N/A	N/A
Cash (Federal Funds)**	$0	$65,000,000	$65,000,000	N/A	N/A
Total Project Cost	$10,000,000	$65,000,000	$75,000,000		

* Government Relations is in support of the use of general revenue for pre-construction services for this project.

** Construction will not move forward until the federal funds are approved.

Change Justification:

The Texas A&M Maritime Academy was awarded a National Security Multi-Mission Vessel (NSMV) in late 2020. In anticipation of the vessel's arrival on campus in 2025, TAMUG requested funding from the Texas State Legislature to support improvements to campus utility infrastructure and the existing training dock to berth the vessel when at campus. A preliminary memorandum with engineering guidance was prepared to identify potential improvements for the existing training dock based on engineering best practices for the Galveston area. This preliminary memorandum anticipated improvements related to utilities, new mooring bollards, upgraded fendering, new head, stern, and breasting lines, and new spring line bollards. It also indicated that the existing training dock structure was unlikely able to support extensive retrofitting to withstand increased load and storm surge conditions. These early findings, based on engineering best practices for the area and without including heavy weather mooring, suggested a rough, order-of-magnitude cost to retrofit the existing dock structure would be in the $10 million range for construction cost.

A draft Heavy Weather Mooring Analysis report was issued to TAMUG in September 2021 and revised in January 2022. Mooring conditions required per the Maritime Administration (MARAD) obligate the campus to meet heavy weather mooring requirements for a 33-year return period storm Category 2 hurricane with a wind speed of 103 mph one-minute sustained wind and 9.8 ft maximum significant wave height from storm surge. To meet the heavy weather mooring requirements with a 1.5 safety factor, the existing training dock would need 300 metric ton bollards. With the additional consideration of material, structural, and geotechnical information, the associated improvement costs for bollards, bollard structures, and breasting dolphin upgrades alone suggests a construction cost upwards of $35 million.

Furthermore, as part of the heavy weather mooring conditions, the report indicates a required dredge below the pier of 30-feet below mean lower low water (MLLW). Due to the storm surge from the design storm event, additional localized hydrodynamic scour – caused by fast flowing water that can carve out scour holes and compromise structural integrity – at the pier is expected. The existing training dock piles and dock structure were only designed for normal weather mooring up to a depth of 25-feet below MLLW when constructed in 1990. The existing piles do not have the ability to accommodate the condition from heavy weather mooring and would require extensive demolition and construction of new pile-founded pier elements to meet heavy weather mooring requirements as outlined and required by MARAD. This condition renders upgrades to the existing structure not feasible to accommodate the heavy weather mooring configuration.

By relocating the NSMV berthing location to an existing wharf east of the existing training dock, improvements and modifications can be made to accommodate heavy weather mooring requirements. This existing wharf provides a more suitable site to design and construct necessary improvements that will support heavy-weather mooring conditions as required per MARAD. Additionally, the improvements at this new location will ensure the structure follows the World Association for Waterborne Transport Infrastructure (PIANC) hierarchy of failure for mooring system design. It is critical to ensure the dock structure and supporting elements are adequately sized to resist the extreme loads from the heavy weather mooring conditions while meeting the minimum required factors of safety to ensure the vessel remains moored to the dock. Should the

vessel become dislodged from the dock or cause the failure of the dock or mooring elements, the NSMV would become a safety hazard to the campus, and neighboring facilities, and jeopardize the integrity of the vessel itself.

In order to increase the likelihood of receiving the federal funding identified, this project will begin the design process to produce a detailed design and cost estimate. The detailed design and cost estimate will be presented for federal review for approval, potential permitting, and for the identified additional funding needed for construction.

Project Justification:

Serving as the ocean-oriented campus of Texas A&M University at College Station, the Galveston campus is critical to the university's land-, sea-, and space-grant mission. The campus is dedicated to leading the development of the blue economy for the Gulf Coast through education, innovation, discovery, scholarship, and service. As the premier marine and maritime public institution of higher education in the state of Texas and the only maritime academy in the Gulf Coast region, TAMUG provides excellence in education and training for the next generation of marine and maritime professionals.

Founded in 1962, the Texas A&M Maritime Academy is one of six maritime academies in the United States. Combining instruction and field training, cadets are trained for maritime service and employment worldwide. Critical to the education mission, instruction includes three summer sea terms aboard a training ship to gain practical experience in seamanship, navigation, and engineering operations. These vessels are provided from the National Defense Reserve Fleet (NDRF) and operated by the state of Texas under the jurisdiction of MARAD. MARAD is working to replace these older ships with new, purpose-built training vessels that will better serve training needs for the Maritime Academy and support emergency preparedness and federal response efforts to national disasters.

With the arrival of a new, state-of-the-art training NSMV and the necessary improvements of the existing wharf, the Maritime Academy prepares for the next 60 years of education, training, and service.

Scope:

With the anticipated arrival of the NSMV to TAMUG, TAMUG is proposing to improve its existing wharf and create a new pier/dock extension to berth the vessel when on campus. The scope of work outlined in the draft Program of Requirements addresses infrastructure support, wharf improvements, and site elements that will be required. The wharf improvements are programmed to provide the campus with an upgraded facility with adequate utility capacity and connections to support the NSMV when berthed. Project elements include:

- A replacement of the existing bulkhead;
- A new, open-pile pier/dock extension with mooring bollards and fendering to meet heavy weather mooring analysis provided by MARAD;
- Dredging to deepen the berth at both the pier/dock extension and wharf to accommodate

the NSMV;
- Necessary mechanical and electrical equipment to connect the NSMV to campus utilities;
- Demolition of warehousing structures in poor condition to create an expanded heavy duty pavement zone for vehicular and large truck access; and
- Site security elements to create a pier security zone including an on-site camera system, a physical security barrier/fence, and appropriate site lighting

Other Major Fiscal Impacts:

If the detailed design and cost estimate are not approved through the federal review, the project will not be able to continue forward.

Strategic Plan Imperative(s) this Item Advances:

The Infrastructure, Dock Improvements, and Ship FF&E - Phase II Project supports the Strategic Plan Imperatives identified below:

Imperative No. 3: Our students will leave the A&M System as responsible and engaged citizens prepared for successful careers in an increasingly global economy. Our member institutions will develop the educational experiences, experiential opportunities, and service opportunities that our students need to succeed post-graduation in a global economy.

Imperative No. 5: The A&M System will provide services that respond to the needs of the people of Texas and contribute to the strength of the state's economy. We will continue to address the needs of Texas and use technology to reach citizens in new ways.

The Infrastructure, Dock Improvements, and Ship FF&E - Phase II Project will advance these imperatives by providing the needed facility to berth the new NSMV at the Galveston campus of Texas A&M University. This ship will be a state-of-the-art training platform for maritime training and a national asset that supports federal response to natural disasters. This effort is critical to educating and training a new generation of cadets and maritime workforce to support the nation's military, transportation, and industry needs.

Agenda Item No. 3.8

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Deputy Chancellor and Chief Financial Officer
January 2, 2023

Members, Board of Regents
The Texas A&M University System

Subject: Approval to Amend the FY 2023 – FY 2027 Texas A&M University System Capital Plan to Increase the Project Planning Amount, and Appropriate Funds for Pre-Construction Services and Related Project Costs for the Infrastructure, Dock Improvements and Ship FF&E - Ph II Project for Texas A&M University at Galveston with an FY 2023 Start Date (Project No. 10-3354)

I recommend adoption of the following minute order:

"The request to amend the FY 2023 – FY 2027 Texas A&M University System Capital Plan to increase the project planning amount for the Infrastructure, Dock Improvements and Ship FF&E - Ph II Project for Texas A&M University at Galveston with an FY 2023 start date and a total planning amount of $75,000,000 is approved.

Contingent upon the completion of the Program of Requirements, the amount of $7,500,000 is appropriated from Account No. 10-812511, Phase II Infrastructure Dock Impr/Ship FF&E, for pre-construction services and related project costs."

Respectfully submitted,

[ORIGINAL SIGNED BY]

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Approval Recommended:

[ORIGINAL SIGNED BY]

John Sharp
Chancellor

[ORIGINAL SIGNED BY]

Phillip Ray
Vice Chancellor for Business Affairs

[ORIGINAL SIGNED BY]

M. Katherine Banks, Ph.D., President
Texas A&M University

Approved for Legal Sufficiency:

[ORIGINAL SIGNED BY]

Ray Bonilla
General Counsel

[ORIGINAL SIGNED BY]

Col. Michael E. Fossum, USAFR (Ret.)
Chief Operating Officer
Texas A&M University at Galveston

Infrastructure, Dock Improvements and Ship FF&E - Ph II

Texas A&M University at Galveston **Project No. 10-3354**

Facilities Planning & Construction Project Status Report

Effective 01/24/2023

Projects in Planning	25 Projects	$1,042,397,624
Projects in Design	15 Projects	$991,733,627
Projects in Construction	23 Projects	$996,598,897
Projects in Private Development	17 Projects	$1,173,964,000
Combined Total:	80 Projects	$4,204,694,148

Projects in Planning:

Bryan, TX

09-3394	**TEEX RELLIS Training Props**	$12,900,000 FY2024

Canyon, TX

18-3369	**Public Safety Facility**	$9,975,000 FY2024

College Station, TX

02-3345	**CUP Generator Replacement Project**	$26,500,000 FY2022
02-3378	**Clinical Veterinary Teaching and Research Complex***	$175,000,000 FY2022
02-3403	**Olsen Field at Blue Bell Park Renovations**	$60,000,000 FY2025
02-3404	**West Campus Player Development and Ellis Field Renovations**	$25,000,000 FY2024

Commerce, TX

21-3390	**New Event Center/Arena**	$61,262,000 FY2023
21-3401	**Morris Recreation Center Expansion**	$15,500,000 FY2024

Dallas, TX

23-3400	**College of Dentistry Main Building Renovation**	$22,400,000 FY2024

Ft. Worth, TX

01-3358	**Ft. Worth Research & Innovation Center**	$85,000,000 FY2024
01-3359	**Ft. Worth Law & Education Building**	$85,000,000 FY2023
04-3379	**Expansion of Ft Worth Campus***	$25,000,000 FY2022

Galveston, TX

10-3354	**Infrastructure, Dock Improvements, and Ship FF&E - PhII**	$10,000,000 FY2022

10-3381	**Engineering Classroom and Research Building***	$44,992,125 FY2022
Houston, TX		
23-3320	**Texas A&M University TMC3 Biomedical Research Building***	$100,000,000 FY2022
23-3399	**EnMED Discovery Tower Labs & Office Buildout - Phase I**	$15,000,000 FY2024
Killeen, TX		
24-3391	**Central Texas Research Annex**	$10,000,000 FY2025
Laredo, TX		
16-3382	**Health Sciences Education and Research Center & Western Hemispheric Trade Center Expansion***	$71,200,000 FY2022
16-3393	**Fine and Performing Arts Addition**	$9,400,000 FY2023
Prairie View, TX		
05-3380	**Teaching and Academic Student Support Services Facility***	$44,922,833 FY2022
San Antonio, TX		
25-3387	**Public Health and Education Building***	$44,922,833 FY2022
25-3402	**Educare Building**	$20,000,000 FY2024
Stephenville, TX		
04-3361	**Dick Smith Library Renovation & Expansion**	$9,500,000 FY2023
Texarkana, TX		
22-3385	**Business, Engineering, and Technology Building***	$44,922,833 FY2022
Vernon, TX		
06-3407	**AgriLife Vernon Campus Storm Repairs**	$14,000,000 FY2023
Total of Projects in Planning		**$1,042,397,624**

Projects in Design:

Austin, TX		
30-3317	**TDEM Headquarters and State Emergency Operations Center** Energy Architecture	$360,674,500
Bryan, TX		
01-3372	**STEM Education Center at RELLIS** PBK Architects	$43,425,406

06-3397	**Animal Reproductive Biotechnology Center** Stantec Architecture	$9,991,833
Canyon, TX		
06-3377	**Amarillo Research & Extension Center at Canyon** Parkhill	$30,000,000
18-3364	**Renovation of an Education Building and Health/Safety Upgrades*** DLR Group Inc.	$44,922,833
College Station, TX		
28-3324	**Nuclear Engineering Education Building** PACT Design Studio, LLC	$11,500,000
Commerce, TX		
21-3384	**Agricultural Multipurpose Education and Training Center*** Harley Ellis Devereaux	$44,922,833
Corpus Christi, TX		
15-3268	**Arts & Media Building*** Barnes Gromatzky Kosarek Architects	$64,922,833
Galveston, TX		
10-3353	**Infrastructure, Dock Improvements, and Ship FF&E - PhI** Shah Smith and Associates	$35,000,000
Killeen, TX		
24-3376	**Central Operational Reliability and Efficiency Facility (CORE)*** PBK Architects	$47,500,000
Kingsville, TX		
17-3383	**Deferred Maintenance*** Halff Associates, Inc.	$47,922,833
McAllen, TX		
23-3374	**Nursing Education & Research Center - McAllen** Page/	$49,948,556
Prairie View, TX		
05-3370	**Fire Alarm System Replacements PH2** Moose Engineers	$11,002,000
Stephenville, TX		
04-3360	**Health Sciences & Human Services Building - Stephenville*** Perkins+Will, Inc.	$80,000,000
04-3396	**Convocation Center** PBK Architects	$110,000,000
Total of Projects in Design		**$991,733,627**

Projects in Construction:

Bryan, TX

01-3331 RELLIS Runway 35R Rehabilitation $5,372,000
Quad-Tex Construction, Inc. Substantial Completion Date: 03/14/2023
Status: On Schedule Construction Work Completed: 98%

26-3365 RELLIS Campus Infrastructure Phase 4B $7,744,000
J. T. Vaughn Construction, LLC Substantial Completion Date: 03/06/2024
Status: On Schedule Construction Work Completed: 1%

28-3230 Industrial Distribution Building No. 1 $20,020,000
J. T. Vaughn Construction, LLC Substantial Completion Date: 05/15/2023
Status: On Schedule Construction Work Completed: 73%

28-3321 Ballistic Aero-Optics and Materials Facility $54,626,000
Bartlett Cocke General Contractors Substantial Completion Date: 02/27/2024
Status: On Schedule Construction Work Completed: 59%

28-3341 TEES Detonation Research Test Facility $9,500,000
J. T. Vaughn Construction, LLC Substantial Completion Date: 08/23/2023
Status: On Schedule Construction Work Completed: 1%

30-3338 TDEM Warehouse at RELLIS $33,226,353
Tellepsen Builders, L.P. Substantial Completion Date: 06/26/2023
Status: On Schedule Construction Work Completed: 55%

Canyon, TX

18-3363 Bain Athletic Expansion Phase II $8,979,500
Western Builders Substantial Completion Date: 02/16/2024
Status: On Schedule Construction Work Completed: 1%

College Station, TX

02-3272 Instructional Laboratory & Innovative Learning Building (ILSQ) $100,059,818
J. T. Vaughn Construction, LLC Substantial Completion Date: 10/14/2022
Status: Substantially Complete Construction Work Completed: 100%

02-3279 Business Education Complex $84,197,309
Skanska USA Building, Inc. Substantial Completion Date: 09/16/2024
Status: On Schedule Construction Work Completed: 10%

02-3316 SUP3 Expansion $20,930,520
ACO Mechanical, LTD. Substantial Completion Date: 06/15/2023
Status: On Schedule Construction Work Completed: 75%

02-3343A The Bright Building Area Development $180,735,550
Manhattan Construction Company Substantial Completion Date: 08/01/2024
Status: On Schedule Construction Work Completed: 27%

02-3343B Bright Area Development - New Indoor Track $55,000,000
Austin Commercial, LP Substantial Completion Date: 01/30/2024
Status: On Schedule Construction Work Completed: 35%

06-3344 Borlaug Center Renovation + Addition $60,000,000
Bartlett Cocke General Contractors Substantial Completion Date: 04/02/2024
Status: On Schedule Construction Work Completed: 2%

09-3269	**Brayton New Administrative and Classroom Facility**		$31,945,000
Bartlett Cocke General Contractors		Substantial Completion Date:	05/01/2023
Status:	On Schedule	Construction Work Completed:	68%
Commerce, TX			
21-3337	**Student Services Building**		$19,500,000
Satterfield and Pontikes Construction, Inc.		Substantial Completion Date:	02/17/2024
Status:	On Schedule	Construction Work Completed:	1%
Ft. Worth, TX			
04-3281	**Interprofessional Education Building**		$66,000,000
Holder Construction Group, LLC		Substantial Completion Date:	03/22/2024
Status:	On Schedule	Construction Work Completed:	20%
Prairie View, TX			
05-3300	**Engineering Classroom & Research Building**		$70,000,000
J. T. Vaughn Construction, LLC		Substantial Completion Date:	05/17/2023
Status:	On Schedule	Construction Work Completed:	81%
San Antonio, TX			
25-3265	**Academic and Administration Building - Phase II**		$53,000,000
Thos. S. Byrne, Inc.		Substantial Completion Date:	11/23/2022
Status:	Behind Schedule	Construction Work Completed:	99%
25-3305	**New Recreation Center**		$19,200,000
Byrne Construction Services		Substantial Completion Date:	06/06/2024
Status:	On Schedule	Construction Work Completed:	3%
25-3309	**TAMU-San Antonio Housing Phase II**		$32,500,000
Bartlett Cocke General Contractors		Substantial Completion Date:	04/21/2024
Status:	On Schedule	Construction Work Completed:	3%
30-3375	**TDEM San Antonio Warehouse Modifications - Phase I**		$9,977,900
SSC Service Solutions		Substantial Completion Date:	02/28/2023
Status:	On Schedule	Construction Work Completed:	96%
Stephenville, TX			
04-3326	**Tarleton State University Parking Garage**		$41,000,000
Byrne Construction Services		Substantial Completion Date:	06/13/2024
Status:	On Schedule	Construction Work Completed:	1%
04-3340	**Tarleton ESCO 2021**		$13,084,947
Ameresco		Substantial Completion Date:	
Status:	Substantially Complete	Construction Work Completed:	98%
Total of Projects in Construction			**$996,598,897**

Projects in Private Development:

Bryan, TX		
01-3285	**Data Center**	$150,000,000
01-3286	**Commercial Office Building**	$17,000,000
01-3287	**Student Support Building**	$12,000,000
23-3405	**Clinical Building 1 - 2nd and 3rd Floor Renovations**	$1,200,000

26-3350	**RELLIS Substation**	$2,164,000
26-3355	**BTU Substation at RELLIS**	$13,000,000
College Station, TX		
02-3165	**Century Square**	$355,000,000
02-3289	**Intergenerational Living Center**	$35,000,000
02-3329	**Aggie Park**	$25,000,000
02-3388	**Distinguished Alumni Tribute**	$3,900,000
02-3406	**Union Pacific Bush 4141 Locomotive & Marine One Helicopter Pavilion**	$29,000,000
Commerce, TX		
21-3292	**Development Tract (~8 acres at corner of Culver and Hwy 24)**	$10,000,000
Dallas, TX		
23-3328	**Dentistry Development Tract**	$30,000,000
Houston, TX		
23-3293	**Innovation Plaza**	$401,000,000
Prairie View, TX		
05-3335	**50 Acre Development Tract**	$80,000,000
Stephenville, TX		
04-3327	**Hotel & Conference Center**	TBD
Texarkana, TX		
22-3217	**Student Recreation Center at TAMU-T**	$9,700,000
Total of Projects in Private Development		**$1,173,964,000**

Agenda Item No. 5.4

AGENDA ITEM BRIEFING

Submitted by: Tim Leach, Chairman of the Board
The Texas A&M University System

Subject: Reappointment of Members to the Board of Directors of The University of Texas/Texas A&M Investment Management Company

Proposed Board Action:

Reappoint Ms. Janet Handley and Mr. Ray Rothrock to the Board of Directors of The University of Texas/Texas A&M Investment Management Company (UTIMCO), effective April 1, 2023.

Background Information:

The UTIMCO Board of Directors is made up of nine Directors consistent with Texas Education Code Section 66.08. Under this statute, The University of Texas System (UT System) Board of Regents appoints seven persons to the board of UTIMCO, one of whom may be, but is not required to be, the UT System Chancellor, and The Texas A&M University System (A&M System) Board of Regents appoints two persons, one of whom must have substantial background and expertise in investments. Under an agreement reached with the UT System in 2017, the UT System agreed to appoint a third A&M System representative to the UTIMCO board seat previously held by the UT System Chancellor.

Ms. Janet Handley was recommended for appointment by the A&M System Board to the UT System Board in 2017 and 2020, each for a three-year term. The UT System Board approved these recommendations for appointment. Her current term is scheduled to expire April 1, 2023. Ms. Handley is recommended for reappointment to serve a new three-year term that will expire April 1, 2026.

Mr. Ray Rothrock was first appointed to the UTIMCO Board by the A&M System Board in 2016 (for the remaining portion of a term) and appointed for a second term in 2020, scheduled to expire April 1, 2023. Mr. Rothrock is recommended for reappointment to a new three-year term that will expire April 1, 2026.

A&M System Funding or Other Financial Implications:

None.

Strategic Plan Imperative(s) this Item Advances:

This item advances Strategic Imperative 6 in that the appointment of qualified persons to the UTIMCO board is consistent with prudent financial stewardship.

Agenda Item No. 5.4

THE TEXAS A&M UNIVERSITY SYSTEM
Office of the Board of Regents
January 24, 2023

Members, Board of Regents
The Texas A&M University System

Subject: Reappointment of Members to the Board of Directors of The University of Texas/ Texas A&M Investment Management Company

I recommend adoption of the following minute order:

"Ms. Janet Handley is hereby recommended by the Board of Regents of The Texas A&M University System to the Board of Regents of The University of Texas System for reappointment to the Board of Directors of The University of Texas/Texas A&M Investment Management Company, to be effective April 1, 2023, for a three-year term to expire April 1, 2026, or until a replacement is named and qualified.

Mr. Ray Rothrock is hereby reappointed by the Board of Regents of The Texas A&M University System to the Board of Directors of The University of Texas/Texas A&M Investment Management Company, to be effective April 1, 2023, for a three-year term to expire April 1, 2026, or until a replacement is named and qualified."

Respectfully submitted,

[ORIGINAL SIGNED BY]

Tim Leach
Chairman, Board of Regents

Approved for Legal Sufficiency:

[ORIGINAL SIGNED BY]
Ray Bonilla
General Counsel

Agenda Item No. 5.5

AGENDA ITEM BRIEFING

Submitted by: Tim Leach, Chairman
The Texas A&M University System

Subject: Appointment to the University Lands Advisory Board

Proposed Board Action:

Appoint new member to the University Lands Advisory Board (ULAB).

Background Information:

University Lands Advisory Board

In 2014, The University of Texas (UT) System Board of Regents created the ULAB to provide advice and strategic direction regarding the operation and management of University Lands. University Lands is the office within the UT System that manages the surface and mineral interests of 2.1 million acres of land across nineteen counties in West Texas for the benefit of the Permanent University Fund (PUF). ULAB consists of five representatives (including two regents) from the UT System; three representatives (including one regent) from the A&M System; and the Commissioner of the General Land Office. At least three persons appointed by the UT System and two persons appointed by the A&M System are required to have industry experience.

In 2021, the A&M System Board of Regents appointed Dr. Eli Jones through April 1, 2024 (or until a replacement is named). Regent Jay Graham and Ms. Janeen Judah also serve on ULAB. Dr. Jones has resigned from ULAB due to other commitments. Action is requested to designate a new person to replace Dr. Jones on this board.

Mr. E. Joseph Wright is an industry leader with more than 25 years of executive and entrepreneurial experience in the energy industry. Since February 2021, Mr. Wright has served as an independent partner of Geneses Capital Management, LLC. He currently serves on the boards of Oil States International, Inc. and CES Energy Solutions Corp.

In January 2019, Mr. Wright retired from Concho Resources Inc. ("Concho"), an independent exploration and production company engaged in the acquisition, development and exploration of oil and natural gas properties, where he most recently served as executive vice president and chief operating officer and was on the board of directors. Since joining Concho from its formation in 2004, Mr. Wright held a variety of leadership positions, and oversaw Concho's drilling and completion programs, as well as its government, regulatory affairs and human resources functions. Mr. Wright has also worked in several operations, engineering and capital markets positions at Mewbourne Oil Company. He holds a Bachelor of Science degree in Petroleum Engineering from Texas A&M University.

A&M System Funding or Other Financial Implications: None.

Agenda Item No. 5.5

THE TEXAS A&M UNIVERSITY SYSTEM
Office of the Board of Regents
January 25, 2023

Members, Board of Regents
The Texas A&M University System

Subject: Appointment to the University Lands Advisory Board

I recommend adoption of the following minute order:

> **"Effective immediately, E. Joseph Wright is hereby appointed to serve as a member of the University Lands Advisory Board for the remainder of a three-year term to expire on April 1, 2024, or until a replacement is named."**

Respectfully submitted,

[ORIGINAL SIGNED BY]

Tim Leach
Chairman, Board of Regents

Approved for Legal Sufficiency:

[ORIGINAL SIGNED BY]

Ray Bonilla
General Counsel

***Certified by the general counsel or other appropriate attorney as confidential or information that may be withheld from public disclosure in accordance with Section 551.1281 and Chapter 552 of the Texas Government Code.**