



Five-Year Capital Improvement Plan and Legislative Budget Request Fiscal Years 2022-23 through 2026-27



DR. LARRY ROBINSON
UNIVERSITY PRESIDENT

FLORIDA A&M UNIVERSITY
FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY

FLORIDA A&M UNIVERSITY**Five-Year Capital Improvement Plan & Legislative Budget Request
Fiscal Years 2022-2023 Through 2026-2027
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July 1, 2021

OFFICE OF THE PRESIDENT

Tim Jones, Vice Chancellor
Finance and Administration
Board of Governors
State University System of Florida
325 W. Gaines Street, Suite 1614
Tallahassee, FL 32399-0400

Re: 2022-2023 Fixed Capital Outlay Budget Request

Dear Vice Chancellor Tim Jones:


In response to your memorandum dated July 1, 2021, Florida A&M University submits the above referenced document that consists of the Fixed Capital Outlay Legislative Budget Request. Included as part of this proposal is a five-year Capital Improvement Plan request, as approved by the Board of Trustees on June 4, 2021 for the submittal to the Florida Board of Governors on July 1, 2021.


The date the Board of Trustees approved the submittal and link to the meeting materials may be found here:
http://www.famu.edu/BOT/March_4_2021_Minutes.pdf

The FY2022-23 Fixed Capital Outlay Budget request reflects an increase from the previous year due to inflation. The request includes ten projects and totals \$208,116,404 over the life of the five-year plan.

Should you have any related concerns or questions, please contact Mr. Craig Talton, Director of Facilities Planning and Construction, at (850)599-3197.

Sincerely,


Larry Robinson, Ph.D.
President


Kelvin Lawson
BOT Chair

cc: Dr. Alan Robertson, Vice President
Finance and Administration

Mr. Chris Hessel, Associate Vice President
Facilities, Planning, Construction & Safety

Mr. Craig Talton, Director
Facilities, Planning & Construction
Attachment

***STATE UNIVERSITY SYSTEM
FIVE-YEAR IMPROVEMENT PLAN
and
LEGISLATIVE BUDGET REQUEST
FISCAL YEARS 2022-23 through 2026-27
CIP-2A SUMMARY OF PROJECTS***

State University System
5-Year Capital Improvement Plan (CIP)
FY 2022-23 through 2026-27

Summary of Projects - PECO-Eligible Projects

University: Florida A&M University

Contact: Craig Talton
(name)

(850) 599-3197
(phone)

craig.talton@famuc.edu
(email)

PECO-ELIGIBLE PROJECT REQUESTS (ONLY)

Priority No.	Project Title	Projected Annual Funding				
		Year 1	Year 2	Year 3	Year 4	Year 5
1	Campus-wide Utility Infrastructure	\$ 9,415,490	\$ 10,283,913	\$ 8,034,089		
2	Chemical and Biological Research Laborat	\$ 1,464,782	\$ 16,699,001	\$ 2,305,920		
3	Dyson Pharmacy Building Demolition	\$ 443,219	\$ 2,515,000			
4	School of Business and Industry South	\$ 1,469,705	\$ 18,041,498	\$ 1,650,000		
5	Benjamin Banneker Complex Demolition	\$ 5,036,570				
6	Howard Hall	\$ 8,179,211	\$ 6,973,452	\$ 2,300,000		
7	Perry-Paige	\$ 808,910	\$ 8,748,714			
8	FAMU-FSU College of Engineering Bldg. C				\$ 73,358,380	\$ 16,741,620
9	Old DRS High School Gym/ Transitional CI	\$ 3,575,422				
10	Land Acquisition	\$ 6,515,000	\$ 4,515,000	\$ 4,515,000		
Total:		\$ 36,908,309	\$67,776,578	\$18,805,009	\$ 73,358,380	\$ 16,741,620

Academic or Other Programs to Benefit from Project	Net Assignable Square Feet (NASF)	Gross Square Feet (GSF)	Project Cost	Project Cost Per GSF	Educational Plant Survey Recommended? (Date & Rec. #)
All	N/A	N/A	\$ 27,733,492	N/A	6/3/21
Chem./Pharm./Biology	21,536	34,458	\$ 20,469,703	\$594	6/3/21
Chem./Pharm./Biology	33,509	53,614	\$ 2,958,219	\$55	6/3/21
Business/ Industry	26,453	42,325	\$ 21,161,203	\$500	6/3/21
Eng. Tech/ Social Work	50,353	80,564	\$ 5,036,570	\$63	6/3/21
Army ROTC	9,054	14,486	\$ 17,452,663	\$1,205	6/3/21
Agriculture/Navy/Food Science	12,543	20,069	\$ 9,557,624	\$476	6/3/21
Engineering	106,000	163,867	\$ 90,100,000	\$550	9/1/2017; 3.1
Transitional Space	22,710	36,336	\$ 3,575,422	\$98	6/3/21
N/A	N/A	N/A	\$ 15,545,000	N/A	6/3/21

***STATE UNIVERSITY SYSTEM
FIVE-YEAR IMPROVEMENT PLAN
and
LEGISLATIVE BUDGET REQUEST
FISCAL YEARS 2022-23 through 2026-27
CIP-2B CAPITAL IMPROVEMENT TRUST FUND (CITF)
PROJECTS***

State University System
 5-Year Capital Improvement Plan (CIP)
 FY 2022-23 through 2026-27

Summary of Projects - CITF Projects

University: Florida A&M University Contact: Craig Talton (name) (850) 599-3197 (phone) craig.talton@fam_u.edu (email)

CITF PROJECT REQUESTS (ONLY)

Priority No.	Project Title	Projected Annual Funding				
		Year 1	Year 2	Year 3	Year 4	Year 5

1	Student Union	\$ 2,400,000	\$24,380,000	\$ 3,100,000		

Academic or Other Programs to Benefit from Project	Net Assignable Square Feet (NASF)	Gross Square Feet (GSF)	Project Cost	Project Cost Per GSF	University Approval Date
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Student Activities	61,000	90,000	\$ 29,880,000	\$332	44349

Total: \$ 2,400,000 \$24,380,000 \$ 3,100,000 \$ - \$ -

***STATE UNIVERSITY SYSTEM
FIVE-YEAR IMPROVEMENT PLAN
and
LEGISLATIVE BUDGET REQUEST
FISCAL YEARS 2022-23 through 2026-27
CIP-2C NON-STATE SUPPLEMENTAL FUNDING***

State University System
5-Year Capital Improvement Plan (CIP)
FY 2022-23 through 2026-27

Summary of Projects - Supplemental Funding

University: Florida A&M University Contact: Craig Talton (850) 599-3197 craig.talton@famu.edu
(name) (phone) (email)

SUPPLEMENTAL FUNDING OF PECO AND/OR CITF PROJECTS (ONLY)

Priority No.	Project Title	Projected Annual Funding									
		Year 1	Year 2	Year 3	Year 4	Year 5					
N/A		N/A	N/A	N/A							
Total:		\$	-	\$	-	\$	-	\$	-	\$	-

Academic or Other Programs to Benefit from Project	Net Assignable Square Feet (NASF)	Gross Square Feet (GSF)	Project Cost	Project Cost Per GSF
N/A	N/A	N/A	N/A	N/A

PRIORITY 1
Campus-wide Utility Infrastructure

Updated 2022-2023 Infrastructure Projects

3-YEAR CIP FORECAST - \$25.36 MM

8.1B CHILLER -Central Cooling Plant Chiller \$3.72 MM

This project will replace an existing 1100-Ton capacity chiller with a 2200-Ton capacity chiller in the Central Chiller Plant.

The Central Plant currently utilizes four (4) wells drawing water from the aquifer to cool four (4) electric water chillers in the Central Chiller Plant, having a total capacity of 6600-Tons. As the Florida A&M University grows and expands, so does the need for chilled water to efficiently cool all current buildings. The existing chilled water system can provide sufficient capacity to maintain comfortable learning and working environments in all current campus buildings served by the Central Cooling Plant. The addition of new, planned projects, plus any other future facilities on the north section of campus, would task the existing chillers to provide sufficient chilled water capacity thereby requiring the additional 1100-Tons of central plant capacity.

8.1I South Central Utility Plant - South Campus Chiller Plant \$1.80 MM

A plan has been developed to add a new Central Utility Plant for the expanding southern portion of the FAMU campus. It would be located east of the current Multi-Purpose Recreation Center, housed in a metal building and initially include an 1100-Ton chiller, hot-water boilers, pumps, piping and electrical systems. With the later addition of piping, isolation valves and new underground distribution systems, a separate, South Campus-dedicated chilled water and hot water delivery system could be accomplished, initially serving the existing Recreation Center, and later a portion of the new Residence Hall initiatives after new underground piping and valves are added.

8.1J Campus Controls Replacement -Obsolete Controls Systems Replacement \$1.17 MM

Research Buildings have obsolete, non-operational environmental control systems. This project will replace the control systems in Pharmacy Phase 1, Ware-Rhaney/Allied Health, Jones Hall and Dyson Pharmacy.

Several campus buildings are severely hampered in controlling and maintaining accurate and comfortable learning environments due to obsolete and failing temperature and humidity control systems. In many instances of Customer Service requests for temperature adjustments in those buildings, changes can only be made by manually, not automatically through a centrally-based control system. The research buildings all need the existing non-functioning environmental control systems removed and replaced with new, open-protocol digital control systems which can be controlled and changed remotely.

8.1A BOILER Replacement - Central Heating Plant Replacement Boiler Phase I \$1.92 MM

This boiler will replace a second boiler with an excess of plugged boiler tubes.

The Central Heating Plant currently has three older steam boilers. Boiler #1 has been replaced. Boiler #3 has a large number of internal tubes sealed off, causing this boiler to be very inefficient, and also needs new control systems and frequently shuts off and goes into alarm.

The solution to these issues is to purchase and install a second new Hi-Efficiency Boiler in the place of the unreliable #3 Boiler with a flue-gas economizer and a 9 PPM, Lo-NOx, dual-fuel, Hi turn-down ratio burner, the same as is being done for #1 Boiler. This installation would provide the campus with a second reliable source of steam, as well as achieve an additional 15% energy savings through the economizer system and the Best Available Technology system of controls.

Year 1 TOTAL \$8.61 MM

8.1E EAST LOOP TIE-IN - East Chilled Water Loop Extension \$1.65 MM

This project will create a tie-in of the 18" chilled water pipes east of Lee Hall and west of Ware-Rhoney, creating a loop to increase chilled water flows and decrease flow resistance in this area of campus.

Currently, the campus chilled water distribution system ends at two separate points on the East portion of campus: 1) at a point to the east of Lee Hall, and 2) at a point located west of the Ware-Rhoney Building. Both of the points have 18" diameter pipes, and connecting these two points with an 18-inch diameter chilled water supply and return would provide a continuous loop on the East portion of campus and would equalize flow rates and pressure differentials in the chilled water loop.

8.1E PARTIAL NORTH LOOP (SBI) - North Chilled Water Loop Extension \$1.79 MM

This project will create an underground 18" chilled water supply and return system to tie in SBI South and SBI East buildings, and end in a vault and valves for future expansion along Gamble Street.

8.1D PARTIAL NORTH LOOP (LUCY MOTEN) -North Chilled Water Loop Extension \$2.05 MM

This project would install 18" Chilled Water lines along Gamble Street from the Lucy Moten Building to the current 12" lines at Science Research.

Currently the Lucy Moten Building receives chilled water from a localized water chiller. This chiller is used year-round and has repeatedly failed in service multiple times each cooling year. The campus chilled water distribution system ends at two points on the North portion of campus, at SBI West and at Pharmacy Phase 1. This project would install 18" diameter piping from the existing 12" piping at Pharmacy Phase 1, west along Gamble Street, and end at the Lucy Moten Building.

8.1F RESEARCH LOOP UPSIZE -Chilled Water Research Isolation and East Loop Extension \$2.05 MM

This project would replace the current 12" chilled water pipes to 18" diameter and connect to the existing 18" piping at Ware-Rhoney and to the new 18" pipes at Pharmacy Phase 1.

This would provide additional flow capabilities from the main campus chilled water distribution system to the Pharmacy buildings and to the Lucy Moten building.

8.1D FINISH NORTH LOOP -North Chilled Water Loop Extension \$1.87 MM

This project would connect the 18" chilled Water Pipes between SBI East and the Lucy Moten building.

This installation would be the final connections and provide a continuous chilled water distribution loop for the North Campus and eliminate the dead-end points currently in the distribution system.

Year 2 TOTAL \$9.41 MM

8.1G&H BOILER - Central Heating Plant Replacement Boiler Phase II & Central Cooling Plant Additional Chiller #6 \$3.00 MM

This new boiler would replace the third and last older boiler in the Central Plant. This third boiler (#2 Boiler) is operational, however, it too has a large number of internal tubes capped off, and frequent repairs to the gas and water delivery systems are made to maintain steam delivery to the campus heating systems.

This final phase of the boiler replacement project is the purchase and installation of a third new Hi-Efficiency Boiler with flue-gas economizers and 9 PPM, Lo-NOx, dual-fuel, high turn-down ratio burners of the same manufacture as the replaced Boilers 1 & 2. This installation would finish the replacement of all old and inefficient boilers and provide the campus with the most efficient and reliable source of steam for the campus heating systems. This installation would also provide redundancy in order to accomplish Annual Preventive Maintenance on one boiler system while operating the other two systems.

8.1F RESEARCH BYPASS LOOP - Chilled Water Research Isolation and East Loop Extension \$1.60 MM

This 18" chilled water pipe connection would join the single-ended piping to the west of Jones Hall and connect to the new 18" pipes at Ware-Rhoney building.

8.1C South Chilled Water Distribution System- South Campus Chiller Plant \$2.74 MM

This third-year Infrastructure improvement would extend the underground chilled water lines from the new South Chiller Plant to the "under-construction" Phase 2 700 Bed Residences and tie into those "under-construction" chilled water lines, providing chilled water to the Phase 2 residence buildings. Utilizing the South Chiller Plant would eliminate the need to purchase two additional 300-ton electric chillers for Phase 2.

Year 3 TOTAL \$7.34 MM

Project Detail

University: Florida A&M University Project Title: Campus-wide Utility Infrastructure

Project Address: Tallahassee, Florida

PROJECT NARRATIVE

1% RESERVE ESCROW [per F.S. 1001.706 (12) c.] This pertains to PECO projects only, not CITF

Building / project value: \$ _____ -

Basis / source of valuation: _____

1st Year escrow deposit: \$ _____ -

Escrow funding source: _____

Comments:

BUILDING SPACE DESCRIPTION

Space Type (per FICM)	Net Assignable Sq. Ft. (NASF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost		
NEW CONSTRUCTION							
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
Total:	-		-		-		
* Apply Unit Cost to total GSF based on Space Type							
REMODELING / RENOVATION							
	-		-		-	Remodeling Projects Only	
	-		-		-	NASF	NASF
	-		-		-	BEFORE	AFTER
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
Total:	-		-		-		
Total New Const. and/or Remodel / Renovation:							
	-		-		-		

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs		Projected Costs					Total
	Funded to Date		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs								
Building Cost (from above)			\$8,610,000	\$9,410,000	\$7,340,000			\$25,360,000
Environmental Impacts/Mitigation								
Site Preparation								
Landscape / Irrigation								
Plaza / Walks								
Roadway Improvements								
Parking : _____ spaces								
Telecommunication								
Electrical Service								
Water Distribution								
Sanitary Sewer System								
Chilled Water System								
Storm Water System								
Energy Efficient Equipment								
Subtotal: Basic Const. Costs			\$8,610,000	\$9,410,000	\$7,340,000			\$25,360,000
Other Project Costs								
Land / existing facility acquisition								
Professional Fees			\$680,940.00	\$740,363.00	\$585,889.00			\$2,007,192.00
Fire Marshall Fees			\$60,000.00	\$65,000.00	\$50,000.00			\$175,000.00
Inspection Services								
Insurance Consultant								
Surveys & Tests			\$15,000.00	\$15,000.00	\$15,000.00			\$45,000.00
Permit / Impact / Environmental Fees			\$49,550.00	\$53,550.00	\$43,200.00			\$146,300.00
Artwork								
Moveable Furnishings & Equipment								
Project Contingency								
Subtotal: Other Project Costs			\$805,490.00	\$873,913.00	\$694,089.00			\$2,373,492.00
Total Project Cost:			\$9,415,490	\$10,283,913	\$8,034,089			\$27,733,492

PROJECT FUNDING

Source *	Funding to Date		Total Project Cost (from above)	Remaining Funding Need
	Fiscal Year	Amount		
		-		
		-		
		-		
		-		
		-		
		-		
		-		
		-		
	Total:	-	<u>\$27,733,492</u>	<u>\$27,733,492</u>

* List any prior PECO funding. Also, for non-PECO funding sources (i.e. donations, auxiliary, C&G, etc), list each source and the entire anticipated (\$) amount. See Instructions for further detail.

PRIORITY 2
CHEMICAL & BIOLOGICAL RESEARCH
LABORATORY CENTER

State University System
5-Year Capital Improvement Plan (CIP)
FY 2022-23 through 2026-27

Project Detail

University: Florida A&M University Project Title: Chemical and Biological Research Laboratory Center

Project Address: Tallahassee, Florida

PROJECT NARRATIVE

The Chemical and Biological Research Laboratory Center project will provide support to convert existing vacant space in the New Pharmacy Building into research laboratory space. The research space will be used to facilitate interdisciplinary research conducted by faculty, students and staff in STEM and health-related disciplines. The space will expand the University's research infrastructure, leading to: a) an increased number of graduates at the undergraduate and graduate levels in Programs of Strategic Emphasis; b) an increase in research productivity, including STEM grant awards and research expenditures; and c) enhanced competitive of graduates for employment in high-need STEM disciplines. It is estimated that completion of the last two floors of Pharmacy Phase II will adequately satisfy the current space needs of the COPPS to carry out teaching and research goals consistent with FAMU's strategic initiatives. This space will be renovated to house these departments from Dyson Pharmacy Building that is Survey Recommended to be Demolished.

1% RESERVE ESCROW [per F.S. 1001.706 (12) c.] This pertains to PECO projects only, not CITF

Building / project value:	\$20,469,703	
Basis / source of valuation:	Risk Management/Insurance	
1st Year escrow deposit:	\$ 204,697	
Escrow funding source:	Recurring E&G	
Comments:		

BUILDING SPACE DESCRIPTION

Space Type (per FICM)	Net Assignable Sq. Ft. (NASF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost		
NEW CONSTRUCTION							
Total:							
* Apply Unit Cost to total GSF based on Space Type							
REMODELING / RENOVATION						Remodeling Projects <u>Only</u>	
						NASF BEFORE	NASF AFTER
Research Lab	20,671	<u>1.6</u>	33,074	<u>429</u>	14,189,236	10,339	20,671
Classroom	-		-		-	2,440	-
Office	-		-		-	7,892	-
Study	865	<u>1.6</u>	1,384	<u>332</u>	459,765	865	865
Total:	21,536		34,458		\$14,649,001	21,536	21,536
Total New Const. and/or Remodel / Renovation:	21,536		34,458		\$14,649,001		

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs		Projected Costs					Total
	Funded to Date		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs								
Building Cost (from above)				\$14,649,001				\$14,649,001
Environmental Impacts/Mitigation								
Site Preparation								
Landscape / Irrigation								
Plaza / Walks								
Roadway Improvements								
Parking : _____ spaces								
Telecommunication				\$1,300,000				\$1,300,000
Electrical Service				\$250,000				\$250,000
Water Distribution				\$250,000				\$250,000
Sanitary Sewer System								
Chilled Water System				\$250,000				\$250,000
Storm Water System								
Energy Efficient Equipment								
Subtotal: Basic Const. Costs				\$16,699,001				\$16,699,001
Other Project Costs								
Land / existing facility acquisition								
Professional Fees		\$1,269,782						\$1,269,782
Fire Marshall Fees		\$65,000						\$65,000
Inspection Services		\$65,000						\$65,000
Insurance Consultant								
Surveys & Tests								
Permit / Impact / Environmental Fees		\$65,000						\$65,000
Artwork					\$150,000			\$150,000
Moveable Furnishings & Equipment					\$800,000			\$800,000
Project Contingency					\$1,355,920			\$1,355,920
Subtotal: Other Project Costs		\$1,464,782			\$2,305,920			\$3,770,702
Total Project Cost:								\$20,469,703

PROJECT FUNDING

Source *	Funding to Date		Total Project Cost (from above)	Remaining Funding Need
	Fiscal Year	Amount		
		-		
		-		
		-		
		-		
		-		
		-		
		-		
	Total:	-	<u>\$20,469,703</u>	<u>\$20,469,703</u>

* List any prior PECO funding. Also, for non-PECO funding sources (i.e. donations, auxiliary, C&G, etc), list each source and the entire anticipated (\$) amount. See Instructions for further detail.

PRIORITY 3
DYSON PHARMACY BUILDING
DEMOLITION

Project Detail

University: Florida A&M University Project Title: Dyson Pharmacy Building Demolition

Project Address: Tallahassee, Florida

PROJECT NARRATIVE

Board of Governors Survey Recommendation team, survey recommended that Dyson Pharmacy Building Be Demolished in order to bring the Chemical and Biological Research Laboratory Center renovated/remodeled space online. The three-story concrete and masonry structure was constructed in 1972 and renovated in 1989. It consists of a north and south wing connected by a covered, open breezeway and houses laboratories, classrooms, offices, and a lecture hall for the College of Pharmacy. Much of the building is vacant or used for storage. In its current configuration, the building is about 53,614 square feet. The building has a flat, gravel-surfaced, built-up roofing system. The roof is in poor condition with evidence of past repairs and water leaks. Exterior crack West side of building. Rusting hot water pump Ground floor, mechanical room. This building is served by an outdated zone Silent Knight fire alarm system equipped with combination audible annunciators/ opaque strobe units and manual fire pulls. Original fire gongs were observed in the south wing. The fire alarm system has exceeded its useful service life, and its reliability is of concern. The laboratory areas in this facility are served by fume hood exhaust systems. Approximately 60 percent of these hoods and their associated mechanical components have been in service beyond their intended life cycles. Two original laboratory air compressors are in service to support program processes. They are in poor condition and have served to the point where reliability is a concern.

1% RESERVE ESCROW [per F.S. 1001.706 (12) c.] This pertains to PECO projects only, not CITF

Building / project value: \$ _____ -

Basis / source of valuation: _____

1st Year escrow deposit: \$ _____ -

Escrow funding source: _____

Comments:

BUILDING SPACE DESCRIPTION

Space Type (per FICM)	Net Assignable Sq. Ft. (NASF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost		
NEW CONSTRUCTION							
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
Total:	-		-		-		
* Apply Unit Cost to total GSF based on Space Type							
REMODELING / RENOVATION						Remodeling Projects <u>Only</u>	
						NASF BEFORE	NASF AFTER
Research Lab Study			-		-	-	-
			-		-	-	-
			-		-	-	-
			-		-	-	-
			-		-	-	-
			-		-	-	-
			-		-	-	-
Total:	-		-		-	-	-
Total New Const. and/or Remodel / Renovation:	-		-		-		

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs		Projected Costs					Total
	Funded to Date		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs								
Building Cost (from above)				\$840,000				\$840,000
Environmental Impacts/Mitigation				\$450,000				\$450,000
Site Preparation				\$300,000				\$300,000
Landscape / Irrigation				\$300,000				\$300,000
Plaza / Walks								
Roadway Improvements				\$100,000				\$100,000
Parking : _____ spaces				\$300,000				\$300,000
Telecommunication								
Electrical Service				\$75,000				\$75,000
Water Distribution								
Sanitary Sewer System								
Chilled Water System								
Storm Water System				\$150,000				\$150,000
Energy Efficient Equipment								
Subtotal: Basic Const. Costs				\$2,515,000				\$2,515,000
Other Project Costs								
Land / existing facility acquisition								
Professional Fees			\$213,144					\$213,144
Fire Marshall Fees			\$30,000					\$30,000
Inspection Services								
Insurance Consultant								
Surveys & Tests			\$15,000					\$15,000
Permit / Impact / Environmental Fees			\$19,075					\$19,075
Artwork								
Moveable Furnishings & Equipment								
Project Contingency			\$166,000					\$166,000
Subtotal: Other Project Costs			443,219					\$443,219
Total Project Cost:								\$2,958,219

PROJECT FUNDING

Source *	Funding to Date		Total Project Cost (from above)	Remaining Funding Need
	Fiscal Year	Amount		
		-		
		-		
		-		
		-		
		-		
		-		
		-		
	Total:	-	\$2,958,219	\$2,958,219

* List any prior PECO funding. Also, for non-PECO funding sources (i.e. donations, auxiliary, C&G, etc), list each source and the entire anticipated (\$) amount. See Instructions for further detail.

PRIORITY 4
SCHOOL OF BUSINESS & INDUSTRY
SOUTH

State University System
5-Year Capital Improvement Plan (CIP)
FY 2022-23 through 2026-27

Project Detail

University: Florida A&M University Project Title: School of Business and Industry South
Project Address: Tallahassee, Florida

PROJECT NARRATIVE

The School of Business and Industry, South is located at 500 Gamble Street on the main campus of Florida A&M University. This is part of a four building complex that houses Administrative Offices, TV Studio, Bull & Bear Lounge, Bloomberg Lab and classrooms for the School of Business and Industry. The five-story concrete and masonry structure was constructed in 1982 and renovated in 1998. In its current configuration, the building contains about 49,260 square feet of space. Most of the floors are carpeted with sheet carpet and carpet squares of varying ages and condition. Some ceiling tiles are starting to curl. Due to the age of these finishes, the ceilings will need replacement. The restrooms are not fully compliant with ADA guidelines. They lack full-size accessible toilet stalls and should be remodeled to provide them. This will require modification of the toilet partitions. The secondary restrooms on the fourth floor have non-accessible showers. The shower stalls should be replaced with accessible shower stalls. The HVAC equipment was installed in 1982, except the PRV which was replaced in 2015. The original equipment is aged and is recommended for replacement. Facility exhaust is provided by a rooftop centrifugal fan, an inline centrifugal fan, and a propeller-type fan. This equipment serves the restrooms, a mechanical space, and general exhaust needs. One fan was replaced in 2011 and appears in good condition. The remaining units are aged and have reached end of their service lives. Replacement is recommended. Emergency power is provided by unitary battery backup power devices. There is no central emergency power system. It is recommended that a generator and emergency power grid be installed throughout the facility. The emergency power network should support life safety and specific non-essential loads. The transformative renovation will lead to enhanced student learning outcomes of Increase recruitment of High Performing Students, Increase the Academic Progress and 4-Year Graduation Rates and Increase Students' Post Graduation Employability.

1% RESERVE ESCROW [per F.S. 1001.706 (12) c.] This pertains to PECO projects only, not CITF

Building / project value: \$21,161,203

Basis / source of valuation: Risk Management/Insurance

1st Year escrow deposit: \$ 211,612

Escrow funding source: Recurring E&G

Comments:

BUILDING SPACE DESCRIPTION

Space Type (per FICM)	Net Assignable Sq. Ft. (NASF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost
Total:	-	-	-	-	-

* Apply Unit Cost to total GSF based on Space Type

REMODELING / RENOVATION

	Net Assignable Sq. Ft. (NASF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost
Classroom	7,330	1.6	11,728	334	3,918,090
Instruct. Media	3,600	1.6	5,760	243	1,396,858
Office	15,055	1.6	24,088	339	8,159,087
Audio/Exhib.	468	1.6	749	376	281,519
Total:	26,453		42,325		\$13,755,554
Total New Const. and/or Remodel / Renovation:	26,453		42,325		\$13,755,554

Remodeling Projects Only	
NASF BEFORE	NASF AFTER
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs		Projected Costs					Total
	Funded to Date		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs								
Building Cost (from above)				\$13,755,554				\$13,755,554
Environmental Impacts/Mitigation				\$480,000				\$480,000
Site Preparation								
Landscape / Irrigation								
Plaza / Walks								
Roadway Improvements								
Parking : _____ spaces								
Telecommunication				\$1,000,000				\$1,000,000
Electrical Service				\$200,000				\$200,000
Water Distribution				\$200,000				\$200,000
Sanitary Sewer System				\$200,000				\$200,000
Chilled Water System				\$200,000				\$200,000
Storm Water System								
Energy Efficient Equipment				\$800,000				\$800,000
Subtotal: Basic Const. Costs				\$16,835,554				\$16,835,554
Other Project Costs								
Land / existing facility acquisition								
Professional Fees		\$1,279,534						\$1,279,534
Fire Marshall Fees		\$50,000						\$50,000
Inspection Services		\$50,000						\$50,000
Insurance Consultant								
Surveys & Tests		\$20,000						\$20,000
Permit / Impact / Environmental Fees		\$70,171						\$70,171
Artwork					\$150,000			\$150,000
Moveable Furnishings & Equipment					\$1,500,000			\$1,500,000
Project Contingency				\$1,205,944				\$1,205,944
Subtotal: Other Project Costs		\$1,469,705		\$1,205,944	\$1,650,000			\$4,325,649
Total Project Cost:				\$18,041,498				\$21,161,203

PROJECT FUNDING

Source *	Funding to Date		Total Project Cost (from above)	Remaining Funding Need
	Fiscal Year	Amount		
		-		
		-		
		-		
		-		
		-		
		-		
		-		
		-		
	Total:	-	\$21,161,203	\$21,161,203

* List any prior PECO funding. Also, for non-PECO funding sources (i.e. donations, auxiliary, C&G, etc), list each source and the entire anticipated (\$) amount. See Instructions for further detail.

PRIORITY 5
Benjamin Banneker Complex
Demolition

Project Detail

University: Florida A&M University Project Title: Benjamin Banneker Complex Demolition

Project Address: Tallahassee, Florida

PROJECT NARRATIVE

Benjamin-Banneker A & B is a four-story concrete and masonry structure was constructed in 1966 and is part of a four-building complex. Building "A" houses offices and classrooms for the Department of Engineering Technology and Building "B" houses offices, classrooms, and laboratories for the Department of Engineering Technology and the Department of Social Work is located on the recently renovated third floor. Building "A" current configuration is about 33,512 square feet, while Building "B" current configuration is about 33,604 square feet. Benjamin-Banneker "C" and "D" is a single-story concrete and masonry structure was constructed in 1966 and is one of four buildings in the complex. They houses laboratories, classrooms, and offices for the Department of Engineering Technology. In there current configuration, the building contains about 6,724 square feet. Windows on the second and third floors are narrow with single-pane glass in metal frames and some leak during heavy rains. They are past their normal service life. The nine-inch vinyl tile on the second and third floors probably contains asbestos. It is beyond its normal service life and should be abated prior to replacement. Fire suppression is provided by fire hose cabinets that do not contain hoses. Additional coverage is provided by manual chemical type fire extinguishers and a limited sprinkler system in a small portion of the facility. While this may have been an adequate application when the facility was constructed, it is recommended that the sprinkler system be extended throughout the facility. Two local compressors provide control air. This HVAC equipment is considered original except for one compressor that was installed in 2002. The equipment has reached the end of its service life. The buildings has flat roofs with a modified bitumen roofing membrane. The roofs are in poor condition with extensive wear of the granular cap sheet and evidence of past repairs. Domestic hot water is produced by a Tennessee Tank Company, residential-grade, electric water heater with a tank capacity of 30 gallons. It is believed to be original and has reached its life expectancy.

1% RESERVE ESCROW [per F.S. 1001.706 (12) c.] This pertains to PECO projects only, not CITF

Building / project value:	\$	-
Basis / source of valuation:		
1st Year escrow deposit:	\$	-
Escrow funding source:		
Comments:		

BUILDING SPACE DESCRIPTION

Space Type (per FICM)	Net Assignable Sq. Ft. (NASF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
Total:	-		-		-
* Apply Unit Cost to total GSF based on Space Type					

REMODELING / RENOVATION

Space Type (per FICM)	Net Assignable Sq. Ft. (NASF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost	Remodeling Projects Only	
						NASF BEFORE	NASF AFTER
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
Total:	-		-		-	-	-
Total New Const. and/or Remodel / Renovation:	-		-		-	-	-

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs		Projected Costs					Total
	Funded to Date		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs								
Building Cost (from above)			\$2,473,920					\$2,473,920
Environmental Impacts/Mitigation			\$350,000					\$350,000
Site Preparation			\$300,000					\$300,000
Landscape / Irrigation			\$300,000					\$300,000
Plaza / Walks								
Roadway Improvements			\$100,000					\$100,000
Parking : _____ spaces			\$300,000					\$300,000
Telecommunication								
Electrical Service			\$75,000					\$75,000
Water Distribution			\$100,000					\$100,000
Sanitary Sewer System			\$150,000					\$150,000
Chilled Water System								
Storm Water System			\$150,000					\$150,000
Energy Efficient Equipment								
Subtotal: Basic Const. Costs			\$4,298,920					\$4,298,920
Other Project Costs								
Land / existing facility acquisition								
Professional Fees			\$353,727					\$353,727
Fire Marshall Fees			\$30,000					\$30,000
Inspection Services								
Insurance Consultant								
Surveys & Tests			\$15,000					\$15,000
Permit / Impact / Environmental Fees			\$27,995					\$27,995
Artwork								
Moveable Furnishings & Equipment								
Project Contingency			\$310,928					\$310,928
Subtotal: Other Project Costs			\$737,650					\$737,650
Total Project Cost:			\$5,036,570					\$5,036,570

PROJECT FUNDING

Source *	Funding to Date		Total Project Cost (from above)	Remaining Funding Need
	Fiscal Year	Amount		
		-		
		-		
		-		
		-		
		-		
		-		
		-		
		-		
	Total:	-	\$5,036,570	\$5,036,570

* List any prior PECO funding. Also, for non-PECO funding sources (i.e. donations, auxiliary, C&G, etc), list each source and the entire anticipated (\$) amount. See Instructions for further detail.

PRIORITY 6

Howard Hall

Project Detail

University: Florida A&M University Project Title: Howard Hall

Project Address: Tallahassee, Florida

PROJECT NARRATIVE

The Army ROTC program has been a foundational program at FAMU since 1948 and has produced over thousands of Officers for the Armed Forces. It cannot be understated that current issues with the building inhibit learning, recruitment, and retention for the ROTC program. Despite being located next to the Chiller/Heat plant, the ROTC building operates on inefficient window units for HVAC. Students and employees are often unable to focus due to extreme temperatures in the building. Outdated plumbing and electrical fixtures cause require constant maintenance. The lack of adequate shower facilities for the Cadets is inhibitive as well. Many Cadets spend 8 hours a day at the building, transitioning from physical training to tactical training to professional instruction. The demands of Army life necessitate a facility with functioning shower/locker space. The ROTC building is not ADA compliant. There is no elevator or other lift to bring disabled students or Veterans to the second floor where the offices and auditorium are located. The bathrooms and fountains cannot be accessed by wheelchairs. Additionally, the sidewalks and doors will not allow for wheelchair access. The auditorium is a functional space which is not used for events due to the inability to provide access to the elderly relatives or friends of the students who may wish to attend ROTC events. The interior of the building is likewise unattractive and outdated. Many other programs throughout Florida have recently updated their ROTC facilities, so the lack of a modern facility at FAMU makes it harder to attract the best Scholar Athlete Leaders (SALs), who often are able to come to the University with 3 or 4-year national scholarships. This project supports the following University Strategic Goals: Goal 1.1: Enhance access to the University; Goal 1.2: Continuous enhancement and assessment of the student experience; Goal 2.2: Enhance and assess employees' experiences; Goal 2.2: Enhance and assess employees' experiences; Goal 4.3: Enhance the services provided to local, state, and national communities; Goal 5.1: Produce diverse and culturally astute graduates for the global workforce

1% RESERVE ESCROW [per F.S. 1001.706 (12) c.] This pertains to PECO projects only, not CITF

Building / project value:	\$10,479,211
Basis / source of valuation:	Risk Management/Insurance
1st Year escrow deposit:	\$ 104,792
Escrow funding source:	Recurring E&G
Comments:	

BUILDING SPACE DESCRIPTION

Space Type (per FICM)	Net Assignable Sq. Ft. (NASF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost
Total:	-	-	-	-	-

* Apply Unit Cost to total GSF based on Space Type

REMODELING / RENOVATION

						Remodeling Projects <u>Only</u>	
						NASF BEFORE	NASF AFTER
Classroom	1,294	<u>1.6</u>	2,070	<u>334</u>	691,679	-	-
Office	3,076	<u>1.6</u>	4,922	<u>339</u>	1,667,044	-	-
Study	398	<u>1.6</u>	637	<u>332</u>	211,545	-	-
Audio/Exhib.	4,286	<u>1.6</u>	6,858	<u>376</u>	2,578,183	-	-
Total:	9,054		14,486		\$5,148,452	-	-
Total New Const. and/or Remodel / Renovation:	9,054		14,486		\$5,148,452		

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs		Projected Costs					Total
	Funded to Date		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs								
Building Cost (from above)				\$5,148,452				\$5,148,452
Environmental Impacts/Mitigation				\$350,000				\$350,000
Site Preparation				\$300,000				\$300,000
Landscape / Irrigation				\$300,000				\$300,000
Plaza / Walks								
Roadway Improvements				\$100,000				\$100,000
Parking : _____ spaces				\$300,000				\$300,000
Telecommunication								
Electrical Service				\$75,000				\$75,000
Water Distribution				\$100,000				\$100,000
Sanitary Sewer System				\$150,000				\$150,000
Chilled Water System								
Storm Water System				\$150,000				\$150,000
Energy Efficient Equipment								
Subtotal: Basic Const. Costs				\$6,973,452				\$6,973,452
Other Project Costs								
Land / existing facility acquisition								
Professional Fees			\$558,274					\$558,274
Fire Marshall Fees			\$32,242					\$32,242
Inspection Services								
Insurance Consultant								
Surveys & Tests			\$16,000					\$16,000
Permit / Impact / Environmental Fees			\$41,367					\$41,367
Artwork					\$300,000			\$300,000
Moveable Furnishings & Equipment					\$2,000,000			\$2,000,000
Project Contingency			\$557,876					\$557,876
Subtotal: Other Project Costs			\$1,205,759	\$6,973,452	\$2,300,000			\$3,505,759
Total Project Cost:			\$1,205,759	\$6,973,452	2,300,000			\$10,479,211

PROJECT FUNDING

Source *	Funding to Date		Total Project Cost (from above)	Remaining Funding Need
	Fiscal Year	Amount		
		-		
		-		
		-		
		-		
		-		
		-		
		-		
		-		
	Total:	-	\$10,479,211	\$10,479,211

* List any prior PECO funding. Also, for non-PECO funding sources (i.e. donations, auxiliary, C&G, etc), list each source and the entire anticipated (\$) amount. See Instructions for further detail.

PRIORITY 7

PERRY-PAIGE RENOVATION

State University System
5-Year Capital Improvement Plan (CIP)
FY 2022-23 through 2026-27

Project Detail

University: Florida A&M University Project Title: Perry-Paige

Project Address: Tallahassee, Florida

PROJECT NARRATIVE

Perry Paige was built in 1954. It is a 64-year-old building that is in grave need of state-of-the-art renovations to simply give the College of Agriculture and Food Sciences the ability to communicate with its comrades on the state, regional and national levels. Traditional facilities and equipment do not meet the changing educational needs of the diverse audiences which the College of Agriculture and Food Sciences serve. In addition, facilities and equipment must be compatible with state research and extension facilities in the southern regions, the research and extension communities statewide, regionally and nationally. State of the art facilities and equipment are necessary components to improve human capital development through both research and extension programs. Also, completely renovate the auditorium with all new seating, lighting, acoustic and sound system and a refurbished stage and curtains. Naval ROTC Unit FAMU and its Midshipmen have been a vibrant, diversified part of the FAMU campus landscape for forty-one years, since November 21, 1975. The NROTC Unit is housed on the second floor of the northern wing of the Perry-Paige Agriculture Building. The renovation/remodeling of the second floor of the northern wing of the Perry-Paige Agriculture Building will help the Naval ROTC Unit, active-duty staff provide the Midshipmen with the most robust and realistic training in the most secure environment, preparing them for the rigors of leadership expected of them in the U.S. Naval Fleet.

1% RESERVE ESCROW [per F.S. 1001.706 (12) c.] This pertains to PECO projects only, not CITF

Building / project value:	\$9,557,624	
Basis / source of valuation:	Risk Management/Insurance	
1st Year escrow deposit:	\$ 95,576	
Escrow funding source:	Recurring E&G	
Comments:		

BUILDING SPACE DESCRIPTION

Space Type (per FICM)	Net Assignable Sq. Ft. (NASF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost		
NEW CONSTRUCTION							
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
	-		-		-		
Total:	-		-		-		
* Apply Unit Cost to total GSF based on Space Type							
REMODELING / RENOVATION						Remodeling Projects <u>Only</u>	
						NASF	NASF
						BEFORE	AFTER
Office	6,139	<u>1.6</u>	9,822	<u>339</u>	3,327,043	-	-
Classroom	760	<u>1.6</u>	1,216	<u>334</u>	406,241	-	-
Study	1,358	<u>1.6</u>	2,173	<u>332</u>	721,804	-	-
Audio/Exhib.	4,286	<u>1.6</u>	6,858	<u>376</u>	2,578,183	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
Total:	12,543		20,069		\$7,033,272	-	-
Total New Const. and/or Remodel / Renovation:							
	12,543		20,069		\$7,033,272		

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs		Projected Costs					Total
	Funded to Date		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs								
Building Cost (from above)				\$7,033,272				\$7,033,272
Environmental Impacts/Mitigation		\$30,000						\$30,000
Site Preparation								
Landscape / Irrigation								
Plaza / Walks								
Roadway Improvements								
Parking : _____ spaces								
Telecommunication				\$250,000				\$250,000
Electrical Service				\$100,000				\$100,000
Water Distribution				\$100,000				\$100,000
Sanitary Sewer System				\$100,000				\$100,000
Chilled Water System								
Storm Water System								
Energy Efficient Equipment								
Subtotal: Basic Const. Costs		\$30,000		\$7,583,272				\$7,613,272
Other Project Costs								
Land / existing facility acquisition								
Professional Fees		\$610,910						\$610,910
Fire Marshall Fees		\$50,000						\$50,000
Inspection Services		\$50,000						\$50,000
Insurance Consultant								
Surveys & Tests								
Permit / Impact / Environmental Fees		\$68,000						\$68,000
Artwork				\$50,000				\$50,000
Moveable Furnishings & Equipment				\$500,000				\$500,000
Project Contingency				\$615,442				\$615,442
Subtotal: Other Project Costs		\$778,910		\$1,165,442				\$1,944,352
Total Project Cost:		\$808,910		\$8,748,714				\$9,557,624

PROJECT FUNDING

Source *	Funding to Date		Total Project Cost (from above)	Remaining Funding Need
	Fiscal Year	Amount		
		-		
		-		
		-		
		-		
		-		
		-		
		-		
	Total:	-	\$9,557,624	\$9,557,624

* List any prior PECO funding. Also, for non-PECO funding sources (i.e. donations, auxiliary, C&G, etc), list each source and the entire anticipated (\$) amount. See Instructions for further detail.

PRIORITY 8

***FAMU-FSU COLLEGE OF ENGINEERING
BUILDING C***

State University System
5-Year Capital Improvement Plan (CIP)
FY 2022-23 through 2026-27

Project Detail

University: FLORIDA A & M UNIVERSITY

Project Title: FAMU-FSU College of Engineering Bldg. C

Project Address: 2525 Pottsdamer Street, Tallahassee, Florida

PROJECT NARRATIVE

In 1984, the Florida Legislature appropriated funds to be used in the planning, property acquisition, and site development for a new engineering campus to serve as the Florida A&M University-Florida State University College of Engineering. A 20.5 acre parcel, located near the main campuses of both FAMU and FSU, was selected for the new engineering building. The original concept was for three interconnected buildings, each of approximately 100,000 sq. ft. to house classrooms, laboratories, offices and amenities such as a library, auditorium, cafeteria, study lounge, etc. One year later, funds were appropriated for the design and construction of only the first phase of the facility, designed to service about 1,000 students, and consisting of only classrooms, laboratories and offices. Building A was completed and occupied in 1988. By that time the enrollment had already exceeded the design target.

By 1996, the College had implemented Bachelor of Science and Master of Science programs in five departments; doctoral programs were offered in three departments. At that time, the total un+B10dergraduate and graduate enrollment had passed the 2,000 mark. Office space was in critically short supply necessitating the conversion of some classrooms to office space and transferring the space shortage burden to them. It became necessary to erect temporary 'portables' behind the building to handle the overflow for meetings, office space and research areas.

In 1996, funds were appropriated for design and construction of the second phase. This 96,500 sq. ft. building was built under a fast-track schedule and was occupied in the fall of 1998. It provided new laboratory space for advanced research projects which had come on line, relieved the pressure for office space, and added a number of classrooms, among them two which served as large lecture halls. In the meantime, several new programs came on-line: Ph.D. programs in Industrial and Civil Engineering were implemented; a Computer Engineering bachelor's degree, and a Biomedical Engineering M.S. and Ph.D. were approved to start in 2000.

Building B though provided only a temporary respite from the space shortage. Other approved and implemented programs require still further expansion. Moreover, the needed amenities of an auditorium, reference and reading facility, and full cafeteria are still not met. Expansion of graduate programs with research support nearing 40 million dollars under current contract requires more specialized laboratory space, and new accreditation requirements which became effective in 2000 necessitate a reorientation of bachelors programs with more emphasis on practical training. For this Senior Design Lab Space becomes a necessity to bring workplace experience to our students, as well as to provide a suitable facility in which we can offer our expertise to a growing number of our industry partners.

Currently the College is sharing classroom space in FSU's Mag Lab, Research Buildings A & B, as well as offices and conference rooms. Study space is in hallways and lobby areas - basically anywhere there is a space with or without chairs. Events that require auditorium space must be scheduled in spaces on FAMU or FSU campus when available, and there is no space to display projects and achievements. To accommodate the projected growth of the College in all these areas, completion of the originally conceived three-building complex now becomes a matter of urgency. This request involves a joint-use project between Florida State University and Florida A&M University that will provide approximately 106,000 NASF (163,867 GSF) of new space for the College's operations. It also, will provide renovation funds for the non-assignable spaces for the tie-in areas between the existing and new construction, and allow for upgrading and replacing signage and wayfinding (which is now done on paper), and expand their food service from a snack bar into a cafeteria.

The College's primary goal is to provide a challenging and educational experience for our students that will enable them to become effective engineering professionals in an increasingly technological society in which engineering jobs are substantially increasing and starting salaries are among the highest of all college graduates. According to data from the Florida Department of Economic Opportunity, Engineering jobs are projected to grow 10.9% from 2017 - 2025, with much larger growth projected in key fields of study offered at the FAMU-FSU College of Engineering such as 14.6% in Environmental, 15.2% in Civil, and 23.7% in Biomedical. Additional space is needed to support this growth.

The Project serves six (6) critical engineering disciplines that are all of strategic importance within the STEM area. Engineering is critical for startups, job creation and the overall health of the State economy. The investment is bound to pay off significantly with the production of high quality and entrepreneurial students who will positively impact Florida's economy and workforce.

Size of spaces in the facility were determined by SREF requirements, program need and industry standards. Costs of facility construction and extra utility capacity, site development, roads, parking, etc. have been budgeted through analysis of historical construction costs, industry standards and estimates included in a project specific study. Project contingency exceeds 5% due to potential hazards associated with previous site uses and components to be demolished; and karst topography in the general region.

FSU has a commitment to sustainability and energy efficiency as codified in Goal VI of its Strategic Plan. Specific tactics include reducing greenhouse gas emissions and expanding resource conservation. FSU will demonstrate its commitment to climate action by reducing greenhouse gas emissions and optimizing energy consumption. FSU will improve resource stewardship by increasing water conservation, improving its landfill diversion rate and deploying resource conscious landscape practices*. The University strives to LEED certify all major projects, including this one, targeting a minimum USGBC LEED level of Silver.

In September 2017, the University conducted a joint Educational Plant Survey. This projects proposed space is the exact recommendations by the Survey Team. (Please refer to Recommendation FAMU/FSU College of Engineering 3.1 for the needs verification for this project). Changes in program, facility maintenance and utility costs which would occur as a result of completing this project cannot be reasonably determined at this time.

*<https://strategicplan.fsu.edu>

1% RESERVE ESCROW [per F.S. 1001.706 (12) c.] This pertains to PECO projects only, not CITF

Building / project value: \$ 90,100,000

Basis / source of valuation:

1st Year escrow deposit: \$ 901,000

Escrow funding source:

Comments: Currently available recurring E&G funds.

BUILDING SPACE DESCRIPTION

Space Type (per FICM)	Net Assignable Sq. Ft. (NASF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost		
NEW CONSTRUCTION							
Classroom	6,900	1.5	10,350	300	3,105,000		
Teaching Lab	5,300	1.65	8,745	435	3,804,075		
Study	27,400	1.5	41,100	300	12,330,000		
Research Lab	26,600	1.65	43,890	465	20,408,850		
Office	21,100	1.5	31,650	300	9,495,000		
Instruct. Media	5,100	1.5	7,650	350	2,677,500		
Audio/Exhib.	5,900	1.48	8,732	415	3,623,780		
Campus Support Services	5,700	1.5	8,550	300	2,565,000		
Other	2,000	1.6	3,200	300	960,000		
	-		-		-		
Total:	106,000		163,867		58,969,205		
* Apply Unit Cost to total GSF based on Space Type							
REMODELING / RENOVATION						Remodeling Projects Only	
						NASF	NASF
						BEFORE	AFTER
Other	15,000	1.4	21,000	347	7,291,575	N/A	N/A
	-		-		-	-	-
	-		-		-	-	-
Total:	15,000		21,000		7,291,575	-	-
Total New Const. and/or Remodel /							
Renovation:							
	121,000		184,867		66,260,780		

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs		Projected Costs					Total
	Funded to Date		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs								
Building Cost (from above)						58,969,205		58,969,205
Renovate Bldgs. A and B							7,291,575	7,291,575
Environmental Impacts/Mitigation								
Site Preparation						3,363,750		3,363,750
Landscape / Irrigation								
Plaza / Walks								
Roadway Improvements								
Parking : _____ spaces								
Telecommunication						967,000		967,000
Electrical Service						250,000		250,000
Water Distribution						250,000		250,000
Sanitary Sewer System						250,000		250,000
Chilled Water System						250,000		250,000
Storm Water System						250,000		250,000
Energy Efficient Equipment								
Subtotal: Basic Const. Costs						64,549,955	7,291,575	71,841,530
Other Project Costs								
Land / existing facility acquisition								
Professional Fees						4,900,000	51,000	4,951,000
Building Commissioning								
Construction Manager						715,000		715,000
Fire Marshall Fees								
Inspection Services						700,000	326,000	1,026,000
Insurance Consultant						47,000		47,000
Surveys & Tests						57,000	123,000	180,000
Permit / Impact / Environmental Fees							140,000	140,000
Artwork							100,000	100,000
Telecommunications								
Infrastructure Assessment								
Moveable Furnishings & Equipment							6,000,000	6,000,000
Project Contingency						2,389,425	2,710,045	5,099,470
Subtotal: Other Project Costs						8,808,425	9,450,045	18,258,470
Total Project Cost:						73,358,380	16,741,620	90,100,000

PROJECT FUNDING

Funding to Date			Total Project Cost (from above)	Remaining Funding Need
Source *	Fiscal Year	Amount		
		-		
		-		
		-		
		-		
	Total:	-	90,100,000	90,100,000

* List any prior PECO funding. Also, for non-PECO funding sources (i.e. donations, auxiliary, C&G, etc), list each source and the entire anticipated (\$) amount. See Instructions for further detail.

PRIORITY 9

***OLD DRS HIGH SCHOOL GYM/TRANSITIONAL
CLASSROOMS/OFFICES***

DEMOLITION

Project Detail

University: Florida A&M University Project Title: Dyson Pharmacy Building Demolition

Project Address: Tallahassee, Florida

PROJECT NARRATIVE

Board of Governors Survey Recommendation team, survey recommended that Dyson Pharmacy Building Be Demolished in order to bring the Chemical and Biological Research Laboratory Center renovated/remodeled space online. The three-story concrete and masonry structure was constructed in 1972 and renovated in 1989. It consists of a north and south wing connected by a covered, open breezeway and houses laboratories, classrooms, offices, and a lecture hall for the College of Pharmacy. Much of the building is vacant or used for storage. In its current configuration, the building is about 53,614 square feet. The building has a flat, gravel-surfaced, built-up roofing system. The roof is in poor condition with evidence of past repairs and water leaks. Exterior crack West side of building. Rusting hot water pump Ground floor, mechanical room. This building is served by an outdated zone Silent Knight fire alarm system equipped with combination audible annunciators/ opaque strobe units and manual fire pulls. Original fire gongs were observed in the south wing. The fire alarm system has exceeded its useful service life, and its reliability is of concern. The laboratory areas in this facility are served by fume hood exhaust systems. Approximately 60 percent of these hoods and their associated mechanical components have been in service beyond their intended life cycles. Two original laboratory air compressors are in service to support program processes. They are in poor condition and have served to the point where reliability is a concern.

1% RESERVE ESCROW [per F.S. 1001.706 (12) c.] This pertains to PECO projects only, not CITF

Building / project value: \$ _____ -

Basis / source of valuation: _____

1st Year escrow deposit: \$ _____ -

Escrow funding source: _____

Comments:

BUILDING SPACE DESCRIPTION

Space Type (per FICM)	Net Assignable Sq. Ft. (NASF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost
NEW CONSTRUCTION					
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
Total:	-		-		-

* Apply Unit Cost to total GSF based on Space Type

Remodeling Projects Only	
NASF BEFORE	NASF AFTER

REMODELING / RENOVATION

Research Lab Study	-	-	-	-	-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
Total:	-		-		-
Total New Const. and/or Remodel / Renovation:	-		-		-

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs		Projected Costs					Total
	Funded to Date		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs								
Building Cost (from above)				\$840,000				\$840,000
Environmental Impacts/Mitigation				\$450,000				\$450,000
Site Preparation				\$300,000				\$300,000
Landscape / Irrigation				\$300,000				\$300,000
Plaza / Walks								
Roadway Improvements				\$100,000				\$100,000
Parking : _____ spaces				\$300,000				\$300,000
Telecommunication								
Electrical Service				\$75,000				\$75,000
Water Distribution								
Sanitary Sewer System								
Chilled Water System								
Storm Water System				\$150,000				\$150,000
Energy Efficient Equipment								
Subtotal: Basic Const. Costs				\$2,515,000				\$2,515,000
Other Project Costs								
Land / existing facility acquisition								
Professional Fees			\$213,144					\$213,144
Fire Marshall Fees			\$30,000					\$30,000
Inspection Services								
Insurance Consultant								
Surveys & Tests			\$15,000					\$15,000
Permit / Impact / Environmental Fees			\$19,075					\$19,075
Artwork								
Moveable Furnishings & Equipment								
Project Contingency			\$166,000					\$166,000
Subtotal: Other Project Costs			443,219					\$443,219
Total Project Cost:								\$2,958,219

PROJECT FUNDING

Source *	Funding to Date		Total Project Cost (from above)	Remaining Funding Need
	Fiscal Year	Amount		
		-		
		-		
		-		
		-		
		-		
		-		
		-		
	Total:	-	\$2,958,219	\$2,958,219

* List any prior PECO funding. Also, for non-PECO funding sources (i.e. donations, auxiliary, C&G, etc), list each source and the entire anticipated (\$) amount. See Instructions for further detail.

PRIORITY 10

LAND ACQUISITION

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs		Projected Costs					Total
	Funded to Date		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs								
Building Cost (from above)								
Environmental Impacts/Mitigation								
Site Preparation								
Landscape / Irrigation								
Plaza / Walks								
Roadway Improvements								
Parking : _____ spaces								
Telecommunication								
Electrical Service								
Water Distribution								
Sanitary Sewer System								
Chilled Water System								
Storm Water System								
Energy Efficient Equipment								
Subtotal: Basic Const. Costs								
Other Project Costs								
Land / existing facility acquisition	5,840,000		6,500,000	4,500,000	4,500,000			\$21,340,000
Professional Fees								
Fire Marshall Fees								
Inspection Services								
Insurance Consultant								
Surveys & Tests			\$15,000	\$15,000	\$15,000			\$45,000
Permit / Impact / Environmental Fees								
Artwork								
Moveable Furnishings & Equipment								
Project Contingency								
Subtotal: Other Project Costs	5,840,000		\$6,515,000	4,515,000	4,515,000			\$21,385,000
Total Project Cost:								

PROJECT FUNDING

Source *	Funding to Date		Total Project Cost (from above)	Remaining Funding Need
	Fiscal Year	Amount		
PECO	1994-95	1,840,000		
PECO	2000-00	2,500,000		
PECO	2001-02	1,500,000		
		-		
		-		
		-		
Total:		<u>5,840,000</u>	<u>\$21,385,000</u>	<u>\$15,545,000</u>

* List any prior PECO funding. Also, for non-PECO funding sources (i.e. donations, auxiliary, C&G, etc), list each source and the entire anticipated (\$) amount. See Instructions for further detail.