

State University System
5-Year Capital Improvement Plan (CIP)
FY 2024-25 through 2028-29

Summary of Projects
(PECO-Eligible Project Requests)

University: University of Central Florida

Contact: Mr. Bill Martin
(name)

407-823-4037
(phone)

Bill.Martin@ucf.edu
(email)

Priority No.	Project Title	Total Supplemental (Non PECO) funding	Total Prior PECO Funding	Projected Annual PECO Funding Requested					Programs to Benefit from Project	Net Assignable Sq. Ft. (NASF)	Gross Sq. Ft. (GSF)	Total Project Cost	Project Cost Per GSF	EPS Recommendation Date & Rec. # ⁽¹⁾
				FY24-25	FY25-26	FY26-27	FY27-28	FY28-29						
1	Research II			\$ 48,650,000	\$ 48,650,000				Total Campus	61,800	105,060	\$ 97,300,000	\$ 926.14	6/22/2021 No. 5.3
2	Howard Phillips Hall Remodel/Renovation			\$ 16,150,000	\$ 16,150,000				Total Campus	33,584	64,619	\$ 32,300,000	\$ 499.85	6/22/2021 No. 3.5 and 4.6
3	Discovery and Innovation Hub			\$ 38,450,000	\$ 38,450,000				Total Campus	66,666	100,000	\$ 76,900,000	\$ 769.00	6/22/2021 No. 5.2
4	Florida Solar Energy Center (FSEC)			\$ 8,300,000					Total FSEC Campus	33,664	48,147	\$ 8,300,000	\$ 172.39	6/22/2021 No. 4.8
5	Engineering Building II Remodel			\$ 7,000,000	\$ 7,000,000				College of Engineering	17,000	25,500	\$ 14,000,000	\$ 549.02	6/22/2021 No. 3.5

1) An EPS recommendation is required per s 1013.31 and s. 1001.706(12) if no prior PECO trust fund appropriation received. If the project has received non-PECO appropriation(s) and an EPS Recommendation is not applicable, please cite the General Appropriations Act (GAA) FY and the (\$) amount(s) appropriated, for reference.

State University System
 5-Year Capital Improvement Plan (CIP)
 FY 2024-25 through 2028-29

Summary of Projects
 (CITF Project Requests) ¹

University: University of Central Florida

Contact: Mr. Bill Martin
 (name)

407-823-4037
 (phone)

Bill.Martin@ucf.edu
 (email)

Project Name	Total CITF Funding to Date	Projected Annual CITF Funding for the Project					Programs to Benefit from Project (if applicable)	Net Assignable Sq. Ft. (NASF)	Gross Sq. Ft. (GSF)	Total Project Cost ¹	Project Cost Per GSF
		FY24-25	FY25-26	FY26-27	FY27-28	FY28-29					
Creative School for Children	\$0	\$14,000,000					Total Campus	9,785	14,678	\$14,000,000	\$954
Recreation and Wellness Center Renovation	\$0	\$4,200,000	\$8,800,000				Total Campus	115,230	156,111	\$13,000,000	\$83

1) This form (CIP-2B) is intended for CITF projects of \$2M or more.

State University System
5-Year Capital Improvement Plan (CIP)
FY 2024-25

Summary of Projects
('Back of Bill' Legislative Project Authorizations) *

University: University of Central Florida Contact: Mr. Bill Martin 407-823-4037 Bill.Martin@ucf.edu
(name) (phone) (email)

Project Name *	Brief Description of Project	GSF	Project Location	Project Cost	Project Funding Source(s)	Estimated Annual Operating & Maintenance Cost	
						Amount (\$)	Funding Source(s)
Baseball Renovation / Remodel / Addition	Renovation / Remodel / Addition of baseball support building.	15,000	UCF Main Campus	\$8,000,000	Private Donations and non E&G new revenue streams	\$170,000	Operating revenues (ticket sales)

* List all proposed FCO projects for FY 2024-25 to be constructed, acquired and financed by the university or DSO via Debt or P3 requiring Legislative (Back-of-Bill) authorization pursuant to s.1010.62 and s.1013.171, F.S.

State University System
5-Year Capital Improvement Plan (CIP)
FY 2024-25 through 2028-29

PECO Project Detail

Project Priority #: 1

University: University of Central Florida
 Project Name: Research II
 Project Address: Main Campus TBD

PROJECT NARRATIVE

PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES

UCF's Strategic Plan states that UCF "aspires to be among the Top 25 public research universities in the country", as well as to be "a leading enterprise for innovative research and creative works." Initiatives for meeting this objective include increasing R&D expenditures, winning more Proposals, achieving more Patents, more Licenses and Options for UCF intellectual property, creating more Start-up Companies, increasing partnerships, and increasing Faculty FTE, and Post-doctoral research appointments. An increase in STEM graduate degrees will strengthen UCF's metrics for performance-based funding.

UCF has a critical need for research space; UCF's laboratory space deficit has grown to 855,618 NASF in the 2021-2026 Educational Plant Survey. Research can contribute to driving Florida's innovation economy and assist our state in producing high paying jobs.

In 2018, UCF determined that a new innovative, interdisciplinary research facility could address campus-wide research space needs for multiple colleges. The proposed Research II building will provide research space for the College of Sciences, College of Engineering and Computer Science, and the College of Optics and Photonics. The building will also include 10,000 nsf of interdisciplinary clean room space, operated by the Office of Research.

Research II will facilitate synergy among research teams from the most productive academic units at UCF, and will foster an increased emphasis on internal and external partnerships. With additional research space and personnel, the funding from industry partners and the quantity of industry-sponsored projects will increase. Additionally, indirect benefits can be measured in terms of student internships and permanent employment opportunities for graduates with partner companies and others.

SUSTAINABILITY AND LEED

The University of Central Florida is committed to sustainability and continued reduction of energy consumption in new construction projects. As energy costs and demands continue to escalate, achieving higher levels of efficiency has become increasingly important to the University's mission. The Planning, Design and Construction department provides oversight for all new construction and major renovation projects and facilitates the commissioning process with the latest industry standards to ensure that the university's sustainability goals are met, and design parameters achieved.

SPACE CLASSIFICATIONS

The space classifications in this facility will be research laboratory and office.

EDUCATIONAL PLANT SURVEY

The 2021-2026 Educational Plant Survey (EPS) was conducted March 5, 2021 and approved by the UCF Board of Trustees on April 22, 2021. Approval by the SUS Board of Governors took place at their June 22, 2021 meeting.

The 2021-2026 Educational Plant Survey included Research II as one of three New Construction Recommendations:
 Project 5.3 RESEARCH II (0166) - Research Lab - 72,350 NASF and Office -19,650 NASF.

RESERVE ESCROW PLAN

	Renovation/Remodeling Projects (1% per s. 1001.706(12)(c) F.S.)	New Construction Projects (2% per Board Regulation 14.002)
Estimated Bldg Value:	\$ -	\$ 71,936,896
Value Basis/Source:	Total construction cost or insurable value, whichever is greater, per Board Regulation 14.002	
Estimated 1st Yr Deposit:	\$ -	\$ 1,438,737.92
Funding Source:	Carry Forward	
Comments:		

BUILDING SPACE DESCRIPTION (account for all building space below)

Space Type (per FICM)	Net Sq. Ft. (NSF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost
NEW CONSTRUCTION					
Research Lab	10,000	<u>2.0</u>	20,000	<u>801</u>	16,013,400
Office	13,700	<u>1.5</u>	20,550	<u>445</u>	9,141,873
Research Lab	36,600	<u>1.7</u>	62,220	<u>555</u>	34,511,567
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
Subtotal NASF:	60,300		102,770		59,666,840
'Other Assignable' E&G Space	1,500	<u>1.5</u>	2,290	<u>555</u>	1,270,056
Other Non-E&G Budget Entity Space	-		-		-
Total:	61,800		105,060		60,936,896

* Apply Unit Cost to total GSF based on Space Type

REMODELING / RENOVATION	Remodeling Projects Only	
	BEFORE	AFTER
	-	-
	-	-
	-	-
	-	-
	-	-
	-	-
	-	-
	-	-
	-	-
Subtotal NASF:	-	-
'Other Assignable' E&G Space	-	-
Other Non-E&G Budget Entity Space	-	-
Total:	-	-
Grand Total:	61,800	105,060
		60,936,896

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs Incurred to Date	Projected Costs					Total
		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs							
Building Cost (from above)	-	29,190,000	31,746,896	-	-	-	60,936,896
Environmental Impacts/Mitigation	-	-	-	-	-	-	-
Site Preparation	-	1,000,000	-	-	-	-	1,000,000
Landscape / Irrigation	-	-	1,000,000	-	-	-	1,000,000
Plaza / Walks	-	-	1,000,000	-	-	-	1,000,000
Roadway Improvements	-	-	-	-	-	-	-
Parking : <input type="text"/> spaces	-	-	-	-	-	-	-
Telecommunication	-	-	3,000,000	-	-	-	3,000,000
Electrical Service	-	1,000,000	-	-	-	-	1,000,000
Water Distribution	-	500,000	-	-	-	-	500,000
Sanitary Sewer System	-	500,000	-	-	-	-	500,000
Chilled Water System	-	1,000,000	-	-	-	-	1,000,000
Storm Water System	-	900,000	-	-	-	-	900,000
Energy Efficient Equipment	-	1,100,000	-	-	-	-	1,100,000
Subtotal: Basic Const. Costs	-	35,190,000	36,746,896	-	-	-	71,936,896
Other Project Costs							
Land / existing facility acquisition	-	-	-	-	-	-	-
Professional Fees	-	7,869,261	-	-	-	-	7,869,261
Fire Marshall Fees	-	194,600	-	-	-	-	194,600
Inspection Services	-	258,179	-	-	-	-	258,179
Insurance Consultant	-	-	-	-	-	-	-
Surveys & Tests	-	230,000	-	-	-	-	230,000
Permit / Impact / Environmental Fees	-	417,960	-	-	-	-	417,960
Artwork	-	-	100,000	-	-	-	100,000
Moveable Furnishings & Equipment	-	-	6,803,104	-	-	-	6,803,104
Project Contingency	-	4,490,000	5,000,000	-	-	-	9,490,000
Subtotal: Other Project Costs	-	13,460,000	11,903,104	-	-	-	25,363,104
Total Project Cost:	-	48,650,000	48,650,000	-	-	-	97,300,000

PROJECT FUNDING

Funding Received to Date (all sources)			Projected Supplemental Funding			Projected PECO Requests		Total Project Cost
Source	FY	Amount	Source	FY	Amount	FY	Amount	
						24-25	48,650,000	Should equal <i>Total Project Cost</i> above
						25-26	48,650,000	
		-					97,300,000	97,300,000

State University System
5-Year Capital Improvement Plan (CIP)
FY 2023-24 through 2027-28

PECO Project Detail

University: University of Central Florida

Priority #: **2**

Project Name: Howard Phillips Hall Remodel/Renovation

Project Address: 4297 Andromeda Loop N, Orlando, FL 32816

PROJECT NARRATIVE

PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES

One of the University's oldest buildings, Howard Phillips Hall (HPH, Bldg. 0014), is a four-story concrete and masonry structure built in 1969 as a classroom building. The 64,619 GSF building was partially remodeled in 1990 and 2000. Its 2023 space classifications and occupants include far more departmental offices than classrooms. Howard Phillips Hall now requires major remodeling and renovation to serve UCF's 21st century needs, and meet UCF's space utilization goals. The building currently houses staff from the following departments:

- College of Sciences (Political Science, Sociology, Anthropology, Global Perspectives)
- Student Success and Well-Being (First Year Experience, Trio Programs, University Testing Center)
- Other (Academic Affairs, Office of Research, Health Management Informatics, Faculty Excellence, State Auditors, Faculty Cluster Initiative - Violence Against Women)
- Faculty & Staff Associations (Black Faculty & Staff Association, Latino Faculty & Staff Association, Pride Faculty & Staff Association)

The University contracts with ISES Corp to conduct Facilities Condition Assessments (FCA) to benchmark the condition of its E&G facilities. Howard Phillips Hall was inspected October 29, 2020. ISES reported the building's Facility Condition Needs Index (FCNI) was 0.42 (below average condition major renovations required).

The renovation of HPH will include the replacement of above-ceiling HVAC air distribution systems, ceiling and lighting replacements, the replacement of finishes such as carpet/tile/paint, and the replacement of vertical transportation. Code upgrades include the creation of accessible and all-gender restrooms, installation of ADA-compliant stairwell and exterior handrails, installation of ADA-compliant entrance ramp(s), dual-level drinking fountains, lever handle door hardware, and signage. In addition to the ISIS report, UCF IT recommends significant infrastructure improvements including right-sized IT closets and equipment upgrades.

The remodeling of HPH will include the comprehensive reconfiguration of its interior spaces to optimize space utilization. The building is inefficiently arranged, with over 30% of its Net Assignable Square Footage (NASF) dedicated to corridors. Office space takes up 50% of all space in HPH. Of the offices, 84% are private offices that far exceed UCF's new space standards, developed in response to emerging flexible work conventions. To improve office utilization, UCF is moving towards a mixture of We Space (collaborative space) and Me Space (right-sized workstations). The remodeling of HPH will embrace and advance these new standards to become a catalyst to a more efficient and effective workspace model.

SUSTAINABILITY AND LEED

The University of Central Florida is committed to sustainability and continued reduction of energy consumption in new construction projects. As energy costs and demands continue to escalate, achieving higher levels of efficiency has become increasingly important to the University's mission. The Planning, Design and Construction department provides oversight for all new construction and major renovation projects and facilitates the commissioning process with the latest industry standards to ensure that the university's sustainability goals are met, and design parameters achieved.

SPACE CLASSIFICATIONS

The current space classifications in the facility are primarily office, teaching laboratory, and study, with small quantities of classroom, research lab, and merchandising.

EDUCATIONAL PLANT SURVEY

The current 2021-2026 Educational Plant Survey (EPS) was conducted on March 4-5, 2021, approved by the BOT on April 22, 2021 and the BOG on June 22, 2021. The current EPS includes HPH under both remodeling and renovation recommendations:

Project 3.5 Howard Phillips Hall (0014): Classroom - 566 NASF, Teaching Laboratory - 2,961 NASF, Study - 1,383 NASF, Research Laboratory - 279 NASF, Office - 28,172 NASF, Assignable Non-FCO - 223 NASF

Project 4.6 Howard Phillips Hall (0014): Classroom - 566 NASF, Teaching Laboratory - 2,961 NASF, Study - 1,383 NASF, Research Laboratory - 279 NASF, Office - 28,172 NASF, Assignable Non-FCO - 223 NASF

RESERVE ESCROW PLAN

	Renovation/Remodeling Projects (1% per s. 1001.706(12)(c) F.S.)	New Construction Projects (2% per Board Regulation 14.002)
Estimated Bldg Value:	\$ 23,170,728	\$ -
Value Basis/Source:		Total construction cost or insurable value, whichever is greater.
Estimated 1st Yr Deposit:	\$ 231,707	\$ -
Funding Source:	Carry Forward	
Comments:	Facility Condition Assessment (ISES Report)	

BUILDING SPACE DESCRIPTION (account for all building space below)

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

* Apply Unit Cost to total GSF based on Space Type

REMODELING / RENOVATION

						Remodeling Projects Only	
						BEFORE	AFTER
Classroom	2,550	1.5	3,824	339	1,296,446	566	2,550
Teaching Lab	3,701	1.5	5,552	376	2,087,505	2,961	3,701
Research Lab	-		-		-	279	-
Office	35,215	1.5	52,823	345	18,223,763	28,172	35,215
Study	1,729	1.4	2,420	336	813,204	1,383	1,729
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
Subtotal NASF:	43,195		64,619		22,420,918	-	-
Other	-		-		-	223	-
Total:	43,195		64,619		22,420,918	33,584	43,195
Grand Total:	43,195		64,619		22,420,918		

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs Incurred to Date	Projected Costs					Total
		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs							
Building Cost (from above)	-	12,170,190	10,250,728	-	-	-	22,420,918
Environmental Impacts/Mitigation	-	-	-	-	-	-	-
Site Preparation	-	-	-	-	-	-	-
Landscape / Irrigation	-	-	-	-	-	-	-
Plaza / Walks	-	-	-	-	-	-	-
Roadway Improvements	-	-	-	-	-	-	-
Parking : <input type="text"/> spaces	-	-	-	-	-	-	-
Telecommunication	-	-	-	-	-	-	-
Electrical Service	-	378,082	-	-	-	-	378,082
Water Distribution	-	-	-	-	-	-	-
Sanitary Sewer System	-	371,728	-	-	-	-	371,728
Chilled Water System	-	-	-	-	-	-	-
Storm Water System	-	-	-	-	-	-	-
Energy Efficient Equipment	-	-	-	-	-	-	-
Subtotal: Basic Const. Costs	-	12,920,000	10,250,728	-	-	-	23,170,728
Other Project Costs							
Land / existing facility acquisition	-	-	-	-	-	-	-
Professional Fees	-	2,793,714	-	-	-	-	2,793,714
Fire Marshall Fees	-	66,731	-	-	-	-	66,731
Inspection Services	-	100,000	-	-	-	-	100,000
Insurance Consultant	-	-	-	-	-	-	-
Surveys & Tests	-	10,000	-	-	-	-	10,000
Permit / Impact / Environmental Fees	-	162,225	-	-	-	-	162,225
Artwork	-	-	-	-	-	-	-
Moveable Furnishings & Equipment	-	-	3,230,000	-	-	-	3,230,000
Project Contingency	-	97,330	2,669,272	-	-	-	2,766,602
Subtotal: Other Project Costs	-	3,230,000	5,899,272	-	-	-	9,129,272
Total Project Cost:	-	16,150,000	16,150,000	-	-	-	32,300,000

PROJECT FUNDING

Funding Received to Date (all sources)			Projected Supplemental Funding			Projected PECO Requests		Total Project Cost
Source	FY	Amount	Source	FY	Amount	FY	Amount	
						24-25	16,150,000	Should equal Total Project Cost above
						25-26	16,150,000	
		-					32,300,000	32,300,000

State University System
5-Year Capital Improvement Plan (CIP)
FY 2024-25 through 2028-29

PECO Project Detail

Project Priority #: 3

University: University of Central Florida
 Project Name: Discovery and Innovation Hub
 Project Address: Main Campus TBD

PROJECT NARRATIVE

PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES

The Discovery and Innovation Hub, formerly known as the Learning Lab, is an interdisciplinary facility that addresses the university's need for teaching laboratories and active learning classrooms across multiple colleges. This 100,000gsf building will support UCF's space deficit in these categories, and contribute to the achievement of the student success metrics outlined in the University's Strategic Plan.

The teaching labs in this new facility are intended to support the following colleges:

- College of Sciences
- College of Medicine
- Burnett School of Biomedical Sciences
- College of Engineering and Computer Science

Over a quarter of the building will be allocated to meet UCF's classroom space deficit. Classrooms will be designed to support active learning and will be centrally scheduled to maximize space utilization.

Offices will be provided only for facility personnel necessary for the building, and will follow UCF's collaborative workspace model. The facility will also include pre-function space for classroom queuing, breakout/class-prep rooms, and office-hours rooms for use by faculty and teaching assistants.

SUSTAINABILITY AND LEED

The University of Central Florida is committed to sustainability and continued reduction of energy consumption in new construction projects. As energy costs and demands continue to escalate, achieving higher levels of efficiency has become increasingly important to the University's mission.

The Planning, Design and Construction department provides oversight for all new construction and major renovation projects and facilitates the commissioning process with the latest industry standards to ensure that the university's sustainability goals are met, and design parameters achieved.

SPACE CLASSIFICATIONS

The space classifications in the facility will be classrooms, teaching laboratories, and office.

EDUCATIONAL PLANT SURVEY

The current 2021-2026 Educational Plant Survey was conducted on March 4-5, 2021, approved by the BOT on April 22, 2021 and the BOG on June 22, 2021.

The 2021-2026 UCF Educational Plant Survey included the Discovery and Innovation Hub (formerly known as the Learning Laboratory) as one of three New Construction Recommendations:

Project 5.2 Learning Laboratory (0155) - Classrooms - 26,700 NASF, Teaching Labs - 65,800 NASF and Office - 7,500 NASF.

RESERVE ESCROW PLAN

	Renovation/Remodeling Projects <small>(1% per s. 1001.706(12)(c) F.S.)</small>	New Construction Projects <small>(2% per Board Regulation 14.002)</small>
Estimated Bldg Value:	\$ -	\$ 58,450,008
Value Basis/Source:	Total construction cost or insurable value, whichever is greater, per Board Regulation 14.002	
Estimated 1st Yr Deposit:	\$ -	\$ 1,169,000
Funding Source:	Carry Forward	
Comments:		

BUILDING SPACE DESCRIPTION (account for all building space below)

Space Type (per FICM)	Net Sq. Ft. (NSF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost
NEW CONSTRUCTION					
Teaching Lab	42,806	1.5	64,210	476	30,581,748
Classroom	16,360	1.5	24,540	439	10,773,551
Office	7,500	1.5	11,250	445	5,004,675
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
Subtotal NASF:	66,666		100,000		46,359,974
'Other Assignable' E&G Space	-		-		-
Other Non-E&G Budget Entity Space	-		-		-
Total:	66,666		100,000		46,359,974

* Apply Unit Cost to total GSF based on Space Type

REMODELING / RENOVATION	Remodeling Projects Only	
	BEFORE	AFTER
	-	-
	-	-
	-	-
	-	-
	-	-
	-	-
	-	-
	-	-
	-	-
	-	-
Subtotal NASF:	-	-
'Other Assignable' E&G Space	-	-
Other Non-E&G Budget Entity Space	-	-
Total:	-	-
Grand Total:	66,666	100,000
		46,359,974

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs Incurred to Date	Projected Costs					Total
		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs							
Building Cost (from above)	-	18,670,000	22,889,974	-	-	-	41,559,974
Environmental Impacts/Mitigation	-	-	-	-	-	-	-
Site Preparation	-	1,390,034	-	-	-	-	1,390,034
Landscape / Irrigation	-	-	900,000	-	-	-	900,000
Plaza / Walks	-	-	900,000	-	-	-	900,000
Roadway Improvements	-	-	-	-	-	-	-
Parking : [] spaces	-	-	-	-	-	-	-
Telecommunication	-	-	3,000,000	-	-	-	3,000,000
Electrical Service	-	900,000	-	-	-	-	900,000
Water Distribution	-	350,000	-	-	-	-	350,000
Sanitary Sewer System	-	350,000	-	-	-	-	350,000
Chilled Water System	-	1,000,000	-	-	-	-	1,000,000
Storm Water System	-	800,000	-	-	-	-	800,000
Energy Efficient Equipment	-	2,500,000	-	-	-	-	2,500,000
Subtotal: Basic Const. Costs	-	25,960,034	27,689,974	-	-	-	53,650,008
Other Project Costs							
Land / existing facility acquisition	-	-	-	-	-	-	-
Professional Fees	-	5,671,983	-	-	-	-	5,671,983
Fire Marshall Fees	-	153,125	-	-	-	-	153,125
Inspection Services	-	200,000	-	-	-	-	200,000
Insurance Consultant	-	-	-	-	-	-	-
Surveys & Tests	-	100,000	-	-	-	-	100,000
Permit / Impact / Environmental Fees	-	335,000	-	-	-	-	335,000
Artwork	-	-	100,000	-	-	-	100,000
Moveable Furnishings & Equipment	-	3,800,000	7,100,000	-	-	-	10,900,000
Project Contingency	-	2,229,858	3,560,026	-	-	-	5,789,884
Subtotal: Other Project Costs	-	12,489,966	10,760,026	-	-	-	23,249,992
Total Project Cost:	-	38,450,000	38,450,000	-	-	-	76,900,000

PROJECT FUNDING

Funding Received to Date (all sources)			Projected Supplemental Funding			Projected PECO Requests		Total Project Cost
Source	FY	Amount	Source	FY	Amount	FY	Amount	
						24-25	38,450,000	Should equal Total Project Cost above
						25-26	38,450,000	
		-			-		76,900,000	76,900,000

State University System
5-Year Capital Improvement Plan (CIP)
FY 2024-25 through 2028-29

PECO Project Detail

Project Priority #: 4

University: University of Central Florida
 Project Name: Florida Solar Energy Center Renovation
 Project Address: 1679 Clearlake Rd, Cocoa, FL 32922

PROJECT NARRATIVE

PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES

The Florida Solar Energy Center (FSEC), located in Cocoa, Florida, is owned and maintained by the University of Central Florida. While the campus is comprised of many different buildings occupied between 1980 and 2004, State-allocated funding is limited to the three buildings built in 1995:

- Bldg. 2001 - a 56,666 NASF Office Building
- Bldg. 2002 - a 27,482 NASF Lab Building
- Bldg. 2003 - a 2,080 NASF Energy Plant – supports the needs of buildings 2001 and 2002

These facilities support critical engineering programs. Research accomplished by these departments supports dozens of high-level technological industrial firms located throughout Florida and across the nation. All three buildings need improvements to continue to support instruction in the Engineering field; optimize space occupancy; enhance the quality of the academic programs; allow more sophisticated sponsored research opportunities; attract the best students and faculty to the program; and produce successful graduates.

Critical deferred maintenance needs include:

- Complete HVAC renovation
- Fire Alarm System replacement
- Building Automation System replacement and upgrades
- Replacement of underground chilled water and hot water piping system
- Installation of exit lighting
- Replacement of chillers, pumps, and associated equipment
- Replacement of roof system
- Refurbish elevator
- General exhaust fan replacement
- Installation of personal fall arrest fixed ladder systems to building structures for roof access
- Paint exterior soffit, mechanical screen wall, exterior doors/frames
- Reseal and replacement of damaged storefront glass at main entrance
- Parking lot sealcoating and restriping
- Automatic transfer switch replacement/upgrade
- Internal lighting and lighting control upgrade

SUSTAINABILITY AND LEED

The University of Central Florida is committed to sustainability and continued reduction of energy consumption in new construction projects. As energy costs and demands continue to escalate, achieving higher levels of efficiency has become increasingly important to the University's mission. The Planning, Design and Construction department provides oversight for all new construction and major renovation projects and facilitates the commissioning process with the latest industry standards to ensure that the university's sustainability goals are met, and design parameters achieved.

SPACE CLASSIFICATIONS

The space classifications in these FSEC Buildings are:

- Bldg. 2001 is office space, instructional media, and exhibition.
- Bldg. 2002 is research lab, storage, office, teaching lab, and shop.
- Bldg. 2003 is entirely mechanical space.

EDUCATIONAL PLANT SURVEY

The current 2021-2026 Educational Plant Survey (EPS) was conducted on March 4-5, 2021, approved by the BOT on April 22, 2021 and the BOG on June 22, 2021.

The current EPS includes FSEC building 2001 under Renovation Recommendations. The current EPS does not specifically list building 2003 (Energy Plant); but as a support building to building 2001, some of the infrastructure related deferred maintenance in this request may need to take place in building 2003, in support of building 2001.

RESERVE ESCROW PLAN

	Renovation/Remodeling Projects (1% per s. 1001.706(12)(c) F.S.)	New Construction Projects (2% per Board Regulation 14.002)
Estimated Bldg Value:	\$ 6,740,636	\$ -
Value Basis/Source:	Total construction cost or insurable value, whichever is greater, per Board Regulation 14.002	
Estimated 1st Yr Deposit:	\$ 67,406	\$ -
Funding Source:	Carry Forward	
Comments:	ISES Corporation to conduct Facilities Condition Assessments (FCA)	

BUILDING SPACE DESCRIPTION (account for all building space below)

Space Type (per FICM)	Net Sq. Ft. (NSF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
	-		-		-
Subtotal NASF:	-		-		-
'Other Assignable' E&G Space	-		-		-
Other Non-E&G Budget Entity Space	-		-		-
Total:	-		-		-

* Apply Unit Cost to total GSF based on Space Type

REMODELING / RENOVATION						Remodeling Projects Only	
						BEFORE	AFTER
Office	21,921	1.5	32,882	140	4,603,410	21,921	21,921
Auditorium/Exhibition	8,741	1.3	11,363	140	1,590,862	8,741	8,741
Instructional Media	917	1.3	1,192	140	166,894	917	917
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
	-		-		-	-	-
Subtotal NASF:	31,579		45,437		6,361,166	31,579	31,579
'Other Assignable' E&G Space	2,085	1.3	2,711	140	379,470	2,085	2,085
Other Non-E&G Budget Entity Space	-		-		-	-	-
Total:	33,664		48,147		6,740,636	33,664	33,664
Grand Total:	33,664		48,147		6,740,636		

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs Incurred to Date	Projected Costs					Total
		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs							
Building Cost (from above)	-	6,740,636	-	-	-	-	6,740,636
Environmental Impacts/Mitigation	-	-	-	-	-	-	-
Site Preparation	-	-	-	-	-	-	-
Landscape / Irrigation	-	-	-	-	-	-	-
Plaza / Walks	-	-	-	-	-	-	-
Roadway Improvements	-	-	-	-	-	-	-
Parking : <input type="text"/> spaces	-	-	-	-	-	-	-
Telecommunication	-	-	-	-	-	-	-
Electrical Service	-	-	-	-	-	-	-
Water Distribution	-	-	-	-	-	-	-
Sanitary Sewer System	-	-	-	-	-	-	-
Chilled Water System	-	-	-	-	-	-	-
Storm Water System	-	-	-	-	-	-	-
Energy Efficient Equipment	-	-	-	-	-	-	-
Subtotal: Basic Const. Costs	-	6,740,636	-	-	-	-	6,740,636
Other Project Costs							
Land / existing facility acquisition	-	-	-	-	-	-	-
Professional Fees	-	651,560	-	-	-	-	651,560
Fire Marshall Fees	-	16,600	-	-	-	-	16,600
Inspection Services	-	87,604	-	-	-	-	87,604
Insurance Consultant	-	-	-	-	-	-	-
Surveys & Tests	-	-	-	-	-	-	-
Permit / Impact / Environmental Fees	-	56,600	-	-	-	-	56,600
Artwork	-	-	-	-	-	-	-
Moveable Furnishings & Equipment	-	-	-	-	-	-	-
Project Contingency	-	747,000	-	-	-	-	747,000
Subtotal: Other Project Costs	-	1,559,364	-	-	-	-	1,559,364
Total Project Cost:	-	8,300,000	-	-	-	-	8,300,000

PROJECT FUNDING

Funding Received to Date (all sources)			Projected Supplemental Funding			Projected PECO Requests		Total Project Cost
Source	FY	Amount	Source	FY	Amount	FY	Amount	
						24-25	8,300,000	Should equal Total Project Cost above
		-			-		8,300,000	8,300,000

State University System
5-Year Capital Improvement Plan (CIP)
FY 2024-25 through 2028-29

PECO Project Detail

Project Priority #: 5

University: University of Central Florida
 Project Name: Engineering Building II Remodel
 Project Address: 12760 Pegasus Dr., Orlando, FL 32816

PROJECT NARRATIVE

PURPOSE, NEED, SCOPE, RELATIONSHIP OF PROJECT TO AGENCY OBJECTIVES

Engineering II (ENG2, Bldg. 0091) is a 101,829 Net Assignable Square Foot (NASF) academic building on the UCF Main Campus. It was built in 2001, adjoining the 1985 Engineering Building, which then became Engineering I (ENG1, Bldg. 0040).

The project area consists of the build-out of two portions of the building:

ATRIUM - The Engineering II Atrium is a 4-story tall enclosed space at the juncture of the Engineering I and Engineering II buildings with assignable space only on the ground floor, which serves as a large student collaboration and study space, a circulation space between buildings, and provides direct access to multiple teaching labs. Upper floors include circulation skybridges and a central open stair to circulate between floors.

HIGH BAY - At the northeast corner of Engineering II is a 3-story high-bay wing that was built with assignable space primarily on the ground floor and a small portion of the second floor. It includes research labs, teaching labs, and offices.

This proposed remodeling project will add floors above the existing first floors of the ATRIUM and the HIGH BAY, to increase the quantity of assignable space available to support the planned growth of the College of Engineering and Computer Science (CECS). These added floors and remodels to the existing first floors will include a mix of research labs, teaching labs, and/or office space.

SUSTAINABILITY AND LEED

The University of Central Florida is committed to LEED and sustainability on all new construction and major renovation projects. As energy costs and demands continue to escalate, achieving higher levels of efficiency has become increasingly important to the university's mission. The Planning, Design & Construction department provides oversight for all new construction and major renovation projects, and facilitates the commissioning process with the latest industry standards to ensure that the university's sustainability goals are met and design parameters achieved.

SPACE CLASSIFICATIONS

The current space classifications in the target areas of Engineering II are:

- Atrium - study and circulation
- High Bay - research laboratories, teaching laboratories, and support spaces.

The future space classifications in the added floors of Engineering II are:

- Atrium – a mixture of classroom, research lab, teaching lab, and/or office space
- High Bay – a mixture of research lab, teaching lab, and/or office space

EDUCATIONAL PLANT SURVEY

The 2021-2026 Educational Plant Survey was conducted on March 4-5, 2021, approved by the BOT on April 22, 2021 and the BOG on June 22, 2021.

The 2021-2026 Educational Plant Survey includes the Engineering II Remodeling under Remodeling Recommendations
 Project 3.5 Engineering II (0091) Remodeling – To include the extension of the 2nd and 3rd floors into adjacent high bays

RESERVE ESCROW PLAN

	Renovation/Remodeling Projects (1% per s. 1001.706(12)(c) F.S.)	New Construction Projects (2% per Board Regulation 14.002)
Estimated Bldg Value:	\$ 12,600,000	\$ -
Value Basis/Source:	Total construction cost or insurable value, whichever is greater, per Board Regulation 14.002	
Estimated 1st Yr Deposit:	\$ 126,000	\$ -
Funding Source:	Carry Forward	
Comments:		

BUILDING SPACE DESCRIPTION (account for all building space below)

	Space Type (per FICM)	Net Sq. Ft. (NSF)	Net-to-Gross Conversion Factor	Gross Sq. Ft. (GSF)	Unit Cost * (per GSF)	Building Cost
		-		-		-
		-		-		-
		-		-		-
		-		-		-
		-		-		-
		-		-		-
		-		-		-
Subtotal NASF:		-		-		-
'Other Assignable' E&G Space		-		-		-
Other Non-E&G Budget Entity Space		-		-		-
Total:		-		-		-

* Apply Unit Cost to total GSF based on Space Type

REMODELING / RENOVATION							Remodeling Projects Only	
							BEFORE	AFTER
Teaching Lab	6,000	1.5	9,000	476	4,286,520	16,877	22,877	
Classroom	2,000	1.5	3,000	439	1,317,060	7,680	9,680	
Research Lab	6,000	1.5	9,000	555	4,992,030	27,230	33,230	
Office	3,000	1.5	4,500	445	2,001,870	22,210	25,210	
	-		-		-	-	-	
	-		-		-	-	-	
	-		-		-	-	-	
	-		-		-	-	-	
	-		-		-	-	-	
Subtotal NASF:	17,000		25,500		12,597,480	73,997	90,997	
'Other Assignable' E&G Space	-		-		-	-	-	
Other Non-E&G Budget Entity Space	-		-		-	-	-	
Total:	17,000		25,500		12,597,480	73,997	90,997	
Grand Total:	17,000		25,500		12,597,480			

PROJECT COMPONENT COSTS & PROJECTIONS

	Costs Incurred to Date	Projected Costs					Total
		Year 1	Year 2	Year 3	Year 4	Year 5	
Basic Construction Costs							
Building Cost (from above)	-	5,855,807	6,741,673	-	-	-	12,597,480
Environmental Impacts/Mitigation	-	-	-	-	-	-	-
Site Preparation	-	-	-	-	-	-	-
Landscape / Irrigation	-	-	-	-	-	-	-
Plaza / Walks	-	-	-	-	-	-	-
Roadway Improvements	-	-	-	-	-	-	-
Parking : <input type="text"/> spaces	-	-	-	-	-	-	-
Telecommunication	-	-	-	-	-	-	-
Electrical Service	-	-	-	-	-	-	-
Water Distribution	-	-	-	-	-	-	-
Sanitary Sewer System	-	-	-	-	-	-	-
Chilled Water System	-	-	-	-	-	-	-
Storm Water System	-	-	-	-	-	-	-
Energy Efficient Equipment	-	-	-	-	-	-	-
Subtotal: Basic Const. Costs	-	5,855,807	6,741,673	-	-	-	12,597,480
Other Project Costs							
Land / existing facility acquisition	-	-	-	-	-	-	-
Professional Fees	-	650,000	-	-	-	-	650,000
Fire Marshall Fees	-	28,000	-	-	-	-	28,000
Inspection Services	-	20,000	-	-	-	-	20,000
Insurance Consultant	-	-	-	-	-	-	-
Surveys & Tests	-	-	-	-	-	-	-
Permit / Impact / Environmental Fees	-	60,000	-	-	-	-	60,000
Artwork	-	-	-	-	-	-	-
Moveable Furnishings & Equipment	-	-	258,327	-	-	-	258,327
Project Contingency	-	386,193	-	-	-	-	386,193
Subtotal: Other Project Costs	-	1,144,193	258,327	-	-	-	1,402,520
Total Project Cost:	-	7,000,000	7,000,000	-	-	-	14,000,000

PROJECT FUNDING

Funding Received to Date (all sources)			Projected Supplemental Funding			Projected PECO Requests		Total Project Cost
Source	FY	Amount	Source	FY	Amount	FY	Amount	
					-	24-25	7,000,000	Should equal Total Project Cost above
					-	25-26	7,000,000	
					-			
					-			
		-			-		14,000,000	14,000,000