

ACTION ITEM BT3 July 26, 2021

SUBJECT: Educational Plant Survey Amendment

BACKGROUND INFORMATION

- 1. An Educational Plant Survey (EPS) is required once every five (5) years for all public educational entities, including state universities. At the request of the University of Florida (UF), Board staff facilitated and coordinated the Survey Team and participated with university staff on the EPS to ensure that all the requirements of section 1013.31, Florida Statues, were satisfied. In addition to UF and Board staff, the team included staff from University of West Florida, University of Central Florida, University of North Florida, Florida Agricultural and Mechanical University, and Florida Gulf Coast University. The Survey Team Recommendation is included as an attachment. The EPS covers the period July 1, 2019 through June 30, 2024 and is UF's first EPS completed using the Dynamic Capital Planning (DCP) model.
- Due to priority changes, the University of Florida has requested a Supplemental Educational Plant Survey, which adds additional projects to the Recommendations of the SurveyTeam and, consequently eligible for inclusion on the CIP list. Two of these projects are renovations, and one adds new space to UF's space inventory. The Supplemental Survey was conducted on July 20, 2021.

PROPOSED ACTION

Review and approve the completed University of Florida Supplemental Educational Plant Survey.

ADDITIONAL CONSIDERATIONS

Article IX, Section 7, Florida Constitution; Sections 1013.03 and 1013.31, Florida Statutes.

Supporting Documentation Included: <u>Summary of Supplemental Survey Team</u>

<u>Recommendations</u>, and the <u>Board of Governors Supplemental Educational Plant Survey Packet</u>.

Submitted by: Curtis A. Reynolds, Vice President for Business Affairs

Approved by the University of Florida Board of Trustees, July 26, 2021.

Morteza "Mori" Hosseini, Chair

W. Kent Fuchs, President and Corporate Secretary



Amended Needs Assessment

Supplemental Survey Year: 2021

EPS Survey Year: 2018-2019

University: UF

Report Term: 201801

This report includes the sum of the room areas rolled up at the University level for the Five Year Educational Plant Survey report. It includes all sites with room spaces that meet the following criteria:

- Users have been funded using Education General fund category.
- Space needs exclude flag is N
- The space use code is in the following category groups: 01 CLASSROOM, 02 TEACHING_LAB, 03 STUDY, 04 RESEARCH_LAB, 05 OFFICE, 06 AUDITORIUM, 07 INSTRUCTIONAL MEDIA, 09 CAMPUS SUPPORT SERVICE, 12 GYMNASIUM



			Teaching		Research		Instructional		Campus Support	Total
Space Type	Classroom	Study	Lab	Office	Lab	Auditorium	Media	Gymnasium	Service	NASF
Space needs by Space type	333,889	689,175	417,362	1,148,625	957,188	83,472	153,150	166,945	216,324	4,166,130
Current Inventory (Main										
Campus)	280,611	368,456	338,109	1,200,267	546,424	68,595	5,533	43,227	141,803	2,993,025
Net Space needs	53,278	320,719	79,253	-51,642	410,764	14,877	147,617	123,718	74,521	1,173,105
Percent of Space needs met	84%	53%	81%	104%	57%	82%	4%	26%	66%	72%
Unsatisfactory space to be										
terminated	0	0	0	0	0	0	0	0	0	0
Unsatisfactory space to be										
demolished	3,927	<u>2,959</u>	<u>11,141</u>	<u>26,354</u>	<u>1,874</u>	4,252	0	0	1,405	<u>51,912</u>
Ineligible Space for Space										
Calculation	4,326	1,701	10,052	49,998	83,191	12,075	<u>0</u>	<u>0</u>	1,777	163,120
Net Space needs	61,531	<u>325,379</u>	<u>100,446</u>	<u>24,710</u>	<u>495,829</u>	31,204	147,617	123,718	77,703	<u>1,388,137</u>
Percent of Space needs met	82%	53%	76%	98%	48%	63%	4%	26%	64%	67%
Unsatisfactory space with no										
action required	0	0	0	0	0	0	0	0	0	0
Net Space needs	61,531	<u>325,379</u>	<u>100,446</u>	<u>24,710</u>	<u>495,829</u>	31,204	147,617	123,718	77,703	<u>1,388,137</u>
Percent of Space needs met	82%	53%	76%	98%	48%	63%	4%	26%	64%	67%
Unsatisfactory Space to be										
Remodeled/Renovated	4,675	<u>1,142</u>	<u>41,215</u>	<u>120,947</u>	<u>59,841</u>	3,153	0	0	14,018	<u>244,991</u>
Net Space needs	61,531	<u>325,379</u>	<u>100,446</u>	<u>24,710</u>	<u>495,829</u>	31,204	147,617	123,718	77,703	<u>1,388,137</u>
Percent of Space needs met	82%	53%	76%	98%	48%	63%	4%	26%	64%	67%
Projects under construction	0	<u>1,628</u>	<u>10,073</u>	<u>15,176</u>	<u>10,351</u>	0	0	0	283	<u>37,511</u>
Net Space needs	61,531	<u>323,751</u>	<u>90,373</u>	<u>9,534</u>	<u>485,478</u>	31,204	147,617	123,718	77,420	<u>1,350,626</u>
Percent of Space needs met	82%	53%	78%	99%	49%	63%	4%	26%	64%	68%

Page **2** of **2**



Amended Demolition

Supplemental Survey Year: 2021

EPS Survey Year: 2018-2019

University: UF

This report includes the sum of the room areas rolled up at the building level for the Five Year Educational Plant Survey report. The buildings have been flagged by the University as 'Unsatisfactory Space (Demolition)'. It includes all sites with room spaces that meet the following criteria:

- Users have been funded using Education General fund category during the selected term.
- Space needs exclude flag is N
- The space use code is in the following category groups: 01 CLASSROOM, 02 TEACHING_LAB, 03 STUDY, 04 RESEARCH_LAB, 05 OFFICE, 06 AUDITORIUM, 07 INSTRUCTIONAL MEDIA, 09 CAMPUS SUPPORT SERVICE, 12 GYMNASIUM



													Campus	
Site	Site	Building	_				Teaching		Research		Instructional		Support	
ID	Name	Name	ID	Condition	Classroom	Study	Lab	Office	Lab	Auditorium	Media	Gymnasium	Service	BE Fund Cat
				Unsatisfactory										
	Main	*Teaching		space to be										
0001	Campus	Support	0087	demolished	0	0	0	1,032	0	0	0	0	0	EDUC_GENERAL
				Unsatisfactory										
	Main	*Mehrhof		space to be										
0001	Campus	Hall	0559	demolished	0	0	0	3,117	0	0	0	0	0	EDUC_GENERAL
				Unsatisfactory										
	Main	*Florida		space to be										
0001	Campus	Sea Grant	0803	demolished	0	0	0	2,054	0	0	0	0	0	EDUC_GENERAL
				Unsatisfactory										
	Main	*McCarty		space to be										
0001	Campus	Annex A	0810	demolished	0	0	0	1,220	658	0	0	0	0	EDUC_GENERAL
		Earle B.		Unsatisfactory										
	Main	Phelps		space to be										
0001	Campus	Lab	0856	demolished	0	355	305	3,546	1,216	0	0	0	0	EDUC_GENERAL
				Unsatisfactory										
	Main	Public		space to be										
0001	Campus	Safety	0027	demolished	0	0	0	1,950	0	0	0	0	26	EDUC_GENERAL
		Lacy												
		Rabon												
		Chilled												
		Water		Unsatisfactory										
	Main	Plant		space to be										
0001	Campus	(CWP2)	0473	demolished	0	144	0	1,552	0	0	0	0	1,379	EDUC_GENERAL
				Unsatisfactory										
	Main	Music		space to be										
0001	Campus	Building	0117	demolished	3,927	2,460	10,836	11,883	0	4,252	0	0	0	EDUC_GENERAL

^{*}These buildings are flagged for demolition, or have already been demolished since the 2018 survey in accordance with Board of Governors Regulation 9.004, Razing of Buildings.

Page **2** of **2**



Amended Unsatisfactory Space to be Remodeled/Renovated

Supplemental Survey Year: 2021

EPS Survey Year: 2018-2019

University: UF

This report includes the sum of the room areas rolled up at the building level for the Five Year Educational Plant Survey report. The buildings have been flagged by the university as 'Remodeling' or 'Renovation'. It includes all sites with room spaces that meet the following criteria:

- Users have been funded using Education General fund category during the selected term.
- Space needs exclude flag is N
- The space use code is in the following category groups: 01 CLASSROOM, 02 TEACHING_LAB, 03 STUDY, 04 RESEARCH_LAB, 05 OFFICE, 06 AUDITORIUM, 07 INSTRUCTIONAL MEDIA, 09 CAMPUS SUPPORT SERVICE, 12 GYMNASIUM

Site ID	Site Name	Building ID	Building Name	Building Condition	Classroom	Study	Teaching Lab	Office	Research Lab	Audit.	Instructional media	Gym	Campus Support Service	Comments
			5											Renovation is primarily
	Main		Dental											non-assignable space. Will
0001	Campus	0205	Sciences	Renovation	2,719	464	7,785	99,952	59,841	0	0	0	14,018	not impact total NASF.
	Main		Architecture	Renovation/										Amount of remodeling is unknown at this time. MEP systems will be updated, any walls moving will likely be as a result of accommodating those systems. This will not
0001	Campus	0268	Building	Remodeling	1,956	678	33,430	20,995	0	3,153	0	0	0	impact the total NASF.



Amended Projects Under Construction

Supplemental Survey Year: 2021

EPS Survey Year: 2018-2019

University: UF

This report includes the sum of the room areas rolled up at the building level for the Five Year Educational Plant Survey report. The buildings have been flagged by the university as 'Projects Under Construction'. It includes all sites with room spaces that meet the following criteria:

- Users have been funded using Education General fund category during the selected term.
- Space needs exclude flag is N
- The space use code is in the following category groups: 01 CLASSROOM, 02 TEACHING_LAB, 03 STUDY, 04 RESEARCH_LAB, 05 OFFICE, 06 AUDITORIUM, 07 INSTRUCTIONAL MEDIA, 09 CAMPUS SUPPORT SERVICE, 12 GYMNASIUM

Site ID	Site Name	Bldg ID	Building Name	Classroom	Study	Teaching Lab	Office	Research Lab	Audit orium	Instructional Media	Gym	Campus Support Service	Comments
													The NASF has changed
													from the
			Herbert										design/construction
			Wertheim										phase to final completion
			Laboratory for										due to change orders and
	Main		Engineering										enforcement of office
0001	Campus	0779	Excellence	0	1,628	10,073	15,176	10,351	0	0	0	283	sizes from BATS Staff.



Amended Requested Project for Survey Recommendation

Supplemental Survey Year: 2021

EPS Survey Year: 2018-2019

University: UF

Report Term: 201801

This report includes the sum of the room areas rolled up at the University level for the Five Year Educational Plant Survey report. It includes all sites with room spaces that meet the following criteria:

- Users have been funded using Education General fund category.
- Space needs exclude flag is N
- The space use code is in the following category groups: 01 CLASSROOM, 02 TEACHING_LAB, 03 STUDY, 04 RESEARCH_LAB, 05 OFFICE, 06 AUDITORIUM, 07 INSTRUCTIONAL MEDIA, 09 CAMPUS SUPPORT SERVICE, 12 GYMNASIUM



Space type	Classroom	Study	Teaching Lab	Office	Research Lab	Auditorium	Instructional Media	Gymnasium	Campus Support Service	Total NASF
Net Space needs	61,531	323,751	90,373	9,534	485,478	31,204	147,617	123,718	77,420	1,350,626
Percent of Space needs met	82%	53%	78%	99%	49%	63%	4%	26%	64%	68%
Projects funded for										
Planning	0	0	9,175	44,690	36,455	400	0	0	0	90,720
Net Space needs	61,531	<u>323,751</u>	81,198	<u>-35,156</u>	449,023	<u>30,804</u>	<u>147,617</u>	<u>123,718</u>	77,420	1,259,906
Percent of Space										
needs met	82%	53%	<u>81%</u>	<u>103%</u>	<u>53%</u>	63%	4%	26%	64%	70%
New Construction										
Projects	<u>11,000</u>	<u>5,000</u>	<u>7,000</u>	<u>0</u>	<u>7,000</u>	<u>7,000</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>37,000</u>
Net Space needs	<u>50,531</u>	318,751	74,198	<u>-35,156</u>	442,023	<u>23,804</u>	<u>147,617</u>	<u>123,718</u>	77,420	1,222,906
Percent of Space										
needs met	<u>85%</u>	<u>54%</u>	<u>82%</u>	<u>103%</u>	<u>54%</u>	<u>71%</u>	4%	26%	64%	<u>71%</u>
Remodeling Projects	<u>1,956</u>	<u>678</u>	<u>33,430</u>	<u>20,995</u>	<u>0</u>	<u>3,153</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>60,212</u>
Net Space needs	50,531	318,751	74,198	-35,156	442,023	23,804	147,617	123,718	77,420	1,222,906
Percent of Space										
needs met	<u>85%</u>	<u>53%</u>	<u>82%</u>	<u>103%</u>	<u>53%</u>	<u>71%</u>	4%	26%	64%	<u>71%</u>
Renovation Projects	<u>4,675</u>	<u>1,142</u>	41,215	120,947	<u>59,841</u>	<u>3,153</u>	<u>0</u>	<u>0</u>	14,018	244,991
Net Space needs	50,531	318,751	74,198	-35,156	442,023	23,804	147,617	123,718	77,420	1,222,906
Percent of Space										
needs met	<u>85%</u>	<u>53%</u>	<u>82%</u>	<u>103%</u>	<u>53%</u>	<u>71%</u>	4%	26%	64%	<u>71%</u>



Amended New Construction Projects

Supplemental Survey Year: 2021

EPS Survey Year: 2018-2019

University: UF

This report includes the sum of the room areas rolled up at the building level for the Five Year Educational Plant Survey report. The buildings are 'New Construction Projects'. It includes all sites with room spaces that meet the following criteria:

- Users have been funded using Education General fund category during the selected term.
- Space needs exclude flag is N
- The space use code is in the following category groups: 01 CLASSROOM, 02 TEACHING_LAB, 03 STUDY, 04 RESEARCH_LAB, 05 OFFICE, 06 AUDITORIUM, 07 INSTRUCTIONAL MEDIA, 09 CAMPUS SUPPORT SERVICE, 12 GYMNASIUM

Site ID	Bldg ID	Building Name	Classroom	Teaching Lab	Study	Research Lab	Office	Gymnasium	Instructional Media	Auditorium	Campus Support Service	Comments
0001	0235	DCP Collaboratory	11,000	7,000	5,000	7,000	0	0	0	7,000	0	



Amended Remodeling Projects

Supplemental Survey Year: 2021

EPS Survey Year: 2018-2019

University: UF

This report includes the sum of the room areas rolled up at the building level for the Five Year Educational Plant Survey report. The buildings have been flagged by the University as 'Remodeling'. It includes all sites with room spaces that meet the following criteria:

- Users have been funded using Education General fund category during the selected term.
- Space needs exclude flag is N
- The space use code is in the following category groups: 01 CLASSROOM, 02 TEACHING_LAB, 03 STUDY, 04 RESEARCH_LAB, 05 OFFICE, 06 AUDITORIUM, 07 INSTRUCTIONAL MEDIA, 09 CAMPUS SUPPORT SERVICE, 12 GYMNASIUM

Site ID	Building ID	Building Name	Space Type	Classroom	Teaching Lab	Study	Research Lab	Office	Auditoriu m	Instructional Media	Gym	Campus Support Service	Comment
													Reallocation of
													space TBD.
													Remodel will
													not impact
0001	0268	Architecture	Remodel	1,956	33,430	678	0	20,995	3,153	0	0		total NASF.



Amended Renovation Projects

Supplemental Survey Year: 2021

EPS Survey Year: 2018-2019

University: UF

This report includes the sum of the room areas rolled up at the building level for the Five Year Educational Plant Survey report. The buildings have been flagged by the University as 'Renovation'. It includes all sites with room spaces that meet the following criteria:

- Users have been funded using Education General fund category during the selected term.
- Space needs exclude flag is N
- The space use code is in the following category groups: 01 CLASSROOM, 02 TEACHING_LAB, 03 STUDY, 04 RESEARCH_LAB, 05 OFFICE, 06 AUDITORIUM, 07 INSTRUCTIONAL MEDIA, 09 CAMPUS SUPPORT SERVICE, 12 GYMNASIUM

Site ID	Building ID	Building Name	Classroom	Teaching Lab	Study	Research Lab	Office	Audit.	Instructional Media	Gym	Campus Support Service	Comment
		Dental										Mostly non- assignable space
0001	0205	Science	2,719	7,785	464	59,841	99,952	0	0	0	14,018	getting renovated.
		Architecture		.,							,,,,,	BeamBrenessan
0001	0628	Bldg.	1,956	33,430	678	0	20,995	3,153	0	0	0	

RECOMMENDATIONS OF SURVEY TEAM

University of Florida

Needs Assessment Date: April 24, 2019. Supplemental Survey Date: July 20, 2021.

2019 Survey Team Members: Robin Anderson, Team Leader (UWF), Kenneth Ogletree (BOG), Felcy Gabriel (BOG), Kristine Azzato (BOG), Mary Mory (UNF), Takeidra Nelson (FAMU), Krystie Corbitt (FGCU), Christy Miranda (UCF)

2021 Supplemental Survey Team Members: Robin Anderson, Team Leader (UWF), Kenneth Ogletree (BOG), Felcy Gabriel (BOG), Kristine Azzato (BOG), Christy Miranda (UCF)

General Recommendations:

(This language has been added since the 2019 survey as a result of subsequent legislative action.)

- 1.1 All projects authorized pursuant to section 1011.45(3)(b), Florida Statutes, are survey recommended, including completion of a renovation, repair, or maintenance project that is consistent with the provisions of section 1013.64(1), Florida Statutes, up to \$5 million per project and replacement of a minor facility that does not exceed 10,000 gross square feet in size and up to \$2 million.
- 1.2 Projects authorized pursuant to section 1011.45(3)(c), Florida Statutes are survey recommended, including a remodeling or infrastructure project, up to \$10 million per project.

Site Improvements Recommendations:

- 2.1 Land Acquisition Not Applicable
- 2.2 Landscaping and Site Improvements This is a recommendation to continue landscaping and site improvements consistent with the adopted Campus Master Plan.
- 2.3 Utility Infrastructure This is a recommendation for items in the categories of chilled water, controls, electrical distributions, storm sewer, sanitary sewer, telecommunications, energy management control systems, irrigation, water distribution, steam equipment and distribution and roads. These projects consist of improvements, extensions, modifications, and additions to the major utility systems consistent with the adopted Campus Master Plan.
- 2.3.1 New Electrical Interconnect and Substation Distribution
- 2.3.2 New Cooling and Heating Plant (CHP) and Infrastructure
- 2.3.3 Campus Wide Safety and Security Infrastructure Improvements

Remodeling:

Definition: 1013.01(17) Florida Statutes, the changing of existing facilities by rearrangement of spaces and their use and includes, but is not limited to, the conversion of two classrooms to a science laboratory or the conversion of a closed plan arrangement to an open plan configuration.

- 2.1 Not Applicable
- 3.1 Architecture Building (Bldg. No. 0268; Site No. 0001)- Any remodeling will be a consequence of building system upgrades. The total NASF will not be impacted.
- 3.2 Dental Sciences Building (Bldg. No. 0205; Site No. 0001)- Any remodeling will be a consequence of building system upgrades. The total NASF will not be impacted.

Renovation Recommendations:

Definition: 1013.01(18) Florida Statutes, the rejuvenation or upgrading of existing facilities by installation or replacement of materials and equipment and includes, but is not limited to, interior or exterior reconditioning of facilities and spaces; air conditioning, heating, or ventilating equipment; fire alarm systems; emergency lighting; electrical systems; and complete roofing or roof replacement, including replacement of membrane or structure.

- 4.1 Architecture Building-(Bldg. No. 0268; Site No. 0001)
 - a) HVAC Replacement
 - b) Windows Replacement
 - c) Stairwell Upgrades
 - d) Fire Alarm System Replacement
 - e) Emergency Lighting Replacement
 - f) Electrical System Replacement
 - g) Interior Reconditioning
 - h) Exterior Reconditioning
- 4.2 Dental Sciences Building (Bldg. No. 0205; Site No. 0001)
 - a) HVAC Replacement
 - b) Windows Replacement
 - c) Stairwell Upgrades
 - d) Fire Alarm System Replacement
 - e) Emergency Lighting Replacement
 - f) Electrical System Replacement
 - g) Interior Reconditioning
 - h) Exterior Reconditioning
 - i) Roof Replacement
- 4.3 Emergency Operation Center (Bldg. No. 0132 Centrex; Site No. 0001)
- 4.4 McGuire Center (Bldg. No. 0341) and Powell Hall/Florida Natural History Museum (Bldg. No. 0308; Site No. 0001)

Continuing Survey Recommendation:

This project was survey recommended and partially funded through legislative appropriations during the previous survey cycle, however, its funding has not yet been completed. This is a recommendation for continued funding for this project.

5.1 Data Science and Information Technology (DSIT). 90,720 NASF is the portion of the project requested from the state. The total project is 143,425 NASF.

New Construction Recommendations:

New construction recommendations are in accordance with the presented net square footage and as described in the Form B. The following projects are recommended:

Site 0001

- 6.1 Design, Construction, and Planning (DCP) Collaboratory (Bldg. No. 0235) 37,000 NASF: 11,000 NASF Classroom, 5,000 NASF Study, 7,000 NASF Teaching Lab, 7,000 Research Lab, 7,000 Auditorium.
- 6.2 Music Building 67,350 NASF: 4,000 NASF Study, 26,725 NASF Teaching Lab, 18,000 NASF Office, 17,000 NASF Auditorium, 1,200 NASF Campus Support Service.
- 6.3 Utility Plant 1,944 NASF: 1,944 Office

Site 0001 – Excluded from the Form B Calculation

6.4 Florida Natural History Museum Addition – 26,650 NASF: this project will not have any square footage that will impact the Form B.

Site 1801 – Excluded from the Form B Calculation

6.5 Whitney Center for Marine Animal Health Lab Building – 24,000 NASF: this project will not have any square footage that will impact the Form B.

Demolition Recommendations:

Demolition recommendations are for buildings over \$1M.

- 7.1 Bldg. No. 0473 Lacy Rabon Chilled Water Plant 3,075 NASF
- 7.2 Bldg. No. 0117 Music Building 33,358 NASF
- 7.3 Bldg. No. 0856 Earle B. Phelps Lab 5,422 NASF
- 7.4 Bldg. No. 0027 Public Safety 1,976 NASF
- 7.5 Bldg. No. 1056 SE Chilled Water Plant 18,894 GSF

Standard University-Wide Recommendations:

- SR1. All recommendations for new facilities to include spaces necessary for custodial services and sanitation facilities.
- SR2. All projects for safety corrections are recommended.
- SR3. All projects for corrections or modifications necessary to comply with the Americans with Disabilities Act are recommended.
- SR4. Any project required to repair or replace a building's components is recommended provided that the total cost of the project does not exceed 25% of the replacement cost of the building.
- SR5. Expansion, replacement, and upgrading of existing utilities/infrastructure systems to support the educational plant (as expanded or modified by the recommended projects) are recommended.

Notes:

- A. <u>University is to produce an Educational Plant Survey Report in accordance with current Educational Plant Survey format and criteria.</u>
- B. The Survey Team requires that projects recommended for approval are to be incorporated into the Master Plan Update(s).
- C. Supplemental surveys can be conducted at a later date should project scope change in the future.
- D. For this survey, any buildings that are equal to or over 50% of sponsored contracts and grants space (coded as education and general (E&G) space in the space inventory) were marked as ineligible and excluded from the Form B calculation.
- E. The Survey Team recommendations to the Board of Governors should not exceed 100% of space needs met by formula in any of the nine (9) space categories. Projects that exceed 100% of needs met should be modified to support the recommendations by the Survey Team.

The 100% threshold options are as follows:

- 1. Verify space use classification (i.e. Classroom, Teaching Lab, etc.)
- 2. Reduce square footage in space use categories exceeding 100%
- 3. Delete a project or the space in a use category that exceeds 100%
- 4. Substitute with other proposed space use categories within the same project
- 5. Shift requested project priorities to stay below 100% threshold.
- 6. Provide a university strategy to support temporary overages.
- F. Supplemental surveys are required if any changes to project scope result in a space category exceeding 100% of the formula-driven need.