FLORIDA POLYTECHNIC UNIVERSITY

BOARD OF TRUSTEES

FINANCE & FACILITIES COMMITTEE MEETING

Wednesday, June 7, 2017
2:30 p.m. Eastern Standard Time
(Or upon adjournment of the Governance Committee Meeting)

Florida Industrial & Phosphate Research Institute
1855 Main Street West
Bartow, Florida 33830

Conference Line: 1-888-670-3525 & Participant Code: 5879779062#

Bob Stork, Chair	**Henry McCance, Vice-Chair**	**Mark Bostick**
Dr. Jim Dewey	**Dr. Sandra Featherman**	**Cliff Otto**
	Gary C. Wendt	

AGENDA

I. **Call to Order** — **Dr. Sandra Featherman**

II. **Roll Call** — **Maggie Mariucci**

III. **Public Comment** — **Dr. Sandra Featherman**

IV. **Approval of Minutes** — **Dr. Sandra Featherman**
- A. **March 15, 2017 Minutes** Pgs. 3-9
  Action Required
- B. **June 1, 2017 Minutes** Pgs. 10-13
  Action Required

V. **2016-2018 Finance and Facilities Committee Work Plan** Pgs. 14-15 — **Dr. Sandra Featherman**

VI. **Legislative Budget Request for 2018-19** Pgs. 16-17 — **Rick Maxey**
- A. **Operating Budget Request** Pgs. 18-34
  Action Required
- B. **Capital Improvement Plan** Pgs. 35-59
  Action Required

VII. **Financial Review** Pgs. 60-68 — **Mark Mroczkowski**

VIII.	**Increase Waiver Authority** Pgs. 69-71 ***Action Required***	**Mark Mroczkowski**
IX.	**2017-18 Operating and Capital Budget** Pgs. 72-82 ***Action required***	**Mark Mroczkowski**
X.	**2017-18 Florida Polytechnic University Foundation Budget** ***Action Required*** Pgs. 83-86	**Mark Mroczkowski**
XI.	**Naming Opportunity** Pg. 87 ***Action Required***	**Kevin Aspegren**
XII.	**Campus Development Agreement** Pgs. 88-116 ***Action Required***	**Tim Campbell**
XIII.	**Construction Progress and Facilities** Pgs. 117-124	**David Calhoun**
XIV.	**Process and Recommendation of the Applied Research Center Architect** Pg. 125	**David Calhoun**
XV.	**Educational Plant Survey** Pgs. 126-177	**Rick Maxey**
XVI.	**Closing Remarks and Adjournment**	**Dr. Sandra Featherman**

FLORIDA POLYTECHNIC UNIVERSITY
BOARD OF TRUSTEES
FINANCE AND FACILITIES COMMITTEE
MEETING MINUTES
Florida Polytechnic University Admissions Building
4700 Research Way
Lakeland, FL 33805
March 15, 2017 @ 10:55 AM

I. Call to Order

Vice Chair Henry McCance called the meeting to order at 10:55am.

II. Roll Call

Maggie Mariucci called the roll: Chair Bob Stork, Vice Chair Henry McCance, Trustee Mark Bostick, Trustee Christina Drake, and Trustee Cliff Otto were present (Quorum).

Other Trustees present: Trustee Dur, Trustee Richard Hallion, Trustee Frank Martin, Trustee Veronica Perez-Herrera, and Trustee Don Wilson.

Staff present: President Dr. Randy Avent, Mr. Kevin Aspegren, Ms. Gina DeIulio, Mrs. Maggie Mariucci, Mr. Mark Mroczkowski, and Dr. Terry Parker.

III. Public Comment

There were no requests received for public comment.

IV. Approval of Minutes

Trustee Cliff Otto presented a motion to approve the Finance and Facilities Committee meeting minutes of December 7, 2016. Trustee Mark Bostick seconded the motion. A vote was taken, and the motion passed unanimously.

V. 2016-2018 Finance and Facilities Committee Work Plan Review

Vice Chair Henry McCance presented the 2016-2018 Finance and Facilities Committee Work Plan. No changes were made to the work plan since the December 7 meeting. Vice Chair McCance opened to the Committee for discussion, and no comments or questions were given.

VI. Financial Review

Mr. Mark Mroczkowski presented the highlights from the financial review to the Committee:

The University collected a 1.5M dollar fee from Vestcor as part of the agreement for Dorm 2. The University then paid back Vestcor approximately $500,000 for the contractual 100 bed guarantee for the first year of operation.

Florida Poly now qualifies for both state and federal financial aid. Approximately $800,000 have been received from Florida Prepaid. Additionally, about $35,000 were received toward student loans.

Mr. Mroczkowski explained that the University is currently below budget in almost all the expense categories and is ahead of budget for revenue. Mr. Mroczkowski then provided a brief overview of additional highlights from the financial report.

Overall, only minor changes have been made to the balance sheet since December's meeting. The University remains in good standing and has a total of $198M in net worth.

Mr. Mroczkowski clarified that the budget was conservative on tuition and fees due to the fact that it was uncertain when the University would qualify for state and federal financial aid.

Mr. Mroczkowski reviewed the budget to actual comparison based on University cost centers, which showed that the University is approximately $3M under budget on a year-to-date basis. The statistics for carry-forward were also reviewed. The University is running slightly higher than $18M in carry forward. Dr. Randy Avent clarified that approximately $9M of the carry forward funds are restricted, leaving about $8M to build out the campus.

Mr. Mroczkowski briefly reviewed the unrestricted funds and clarified that they are only used for items that cannot be purchased with E&G funds. University investments were also discussed. Mr. Mroczkowski explained that the University keeps $49M to $50M in a special purpose investment account at all times. There is currently about $50M in the investment account, which is accruing 1.2% interest.

Mr. Mroczkowski reported key projects and agreements for February and March of 2017:

- IBM has been selected as the implementation partner for the implementation of the Workday Student Information System; implementation for the Student Information System will begin this month.
- Chartwell's was the vendor selected for contract negotiations following a competitive solicitation ("ITN").
- A University-wide automated ticketing system has been purchased called Cherwell Software, which will help improve University productivity and service.
- A firm called HVS Convention and Sports completed a study for the University. The firm concluded that it would be feasible to build a conference center within the Student Achievement Center if the University receives the funding to build it.

Trustee Frank Martin discussed the current delegations and stated that the Board may need to consider the agreements that are currently under Dr. Avent's authority to determine whether they need to come to the Board.

Discussion occurred regarding the contracting of the Applied Research Center. Mr. David Calhoun explained that an initial committee meeting will take place tomorrow regarding the priorities for research within the Applied Research Center.

Discussion occurred regarding the net income of the Conference Center. Dr. Avent clarified that there is an estimated $8M to $12M per year in economic impact to Polk County from a proposed University conference center on campus based upon a feasibility study. There are an estimated $200,000 to 300,000 in operating income to the University should the Conference Center be put in place. Mr. Mroczkowski clarified that the $200,000 to $300,000 are just additional auxiliary revenue and do not take into account the investment that will go into the building.

VII. Workday ERP

Mr. Mroczkowski explained that Workday has now been in operation for six months and has gone through 12 payrolls. Any integration issues have been resolved.

Additionally, an update to the Workday software was just successfully completed called "Workday 28."

Mr. Mroczkowski reported that IBM is the implementation partner for the Workday Student Information System, which will replace what is currently known as CAMS. Dr. Avent explained that part of the University's goal is to have a minimal number of electronic supplier services in order to simplify user experience. The implementation process is expected to take 18 months. Mr. Mroczkowski explained that the implementation will take place in modules, and the University will need to manage both systems during the transition.

VIII. University Financial Risk Exposure

At the request of Chair Bob Stork, Mr. Mroczkowski reviewed the University Financial Risks with the Committee:

Mr. Mroczkowski explained that a risk is anything that affects an organization's ability to meet its objectives. The full report was provided in the packet for the Committee to review.

Mark highlighted some supporting materials for the Committee to review, one of which spoke of the Board's role in managing and accessing risks. Prominent risks mentioned include extensive regulatory risks, accreditation process, state regulators, Title IX risks, the Department of Education, and funding risks. The different types of risks were

defined: strategic risks, financial risks, operational risks, compliance risks, and reputational risks.

Mr. Mroczkowski discussed how organizations measure their ability to assess risk and navigate that risk. Organizations can be ranked into five different levels depending upon their set procedures, awareness, commitment, and communication. Mark explained that he personally believes Florida Poly ranks a level V, being fully able to assess and address the financial risks of the University.

In summary, the University has examined the risks over five different dimensions, addressed the risks, and has implemented programs to prevent risks.

Trustee Philip Dur posed a question regarding Title IV funding and the regulations that govern University compliance of Title IV language. Mr. Mroczkowski stated that the University has just qualified for Title IV; however, there are many staff that have significant experience in the area. Knowing that Title IV funding is a great area of focus by the auditors, the University will continue to monitor it and ensure that the University does not lose it.

IX. Campus Development Agreement

Mr. Tim Campbell from Clark, Campbell, Lancaster & Munson, P.A. reported on the Campus Development Agreement (CDA). Mr. Campbell explained that the Board adopted the 2015-2025 Campus Master Plan on September of 2016, which the University is required by Florida law. A historical overview of how the Campus Master Plan has changed over time was given, including the ten year estimate of student enrollment. Once a Campus Master Plan is adopted, Florida law requires that the Board enter into a Campus Development Agreement with the local government.

The CDA is to address the material in the Campus Master Plan, address the level of service standards that have been adopted by the local government, and to identify infrastructure or other deficiencies.

Once the CDA is entered into, all may proceed without further review of the city, and the CDA becomes a road map for the University's development. Florida Poly agreed for an amendment that extended the existing CDA until June 2017. In conjunction with the fair share contribution agreement, the original CDA (signed by USF), and appropriations from the Florida Legislature, approximately $5,030,000 was contributed to the city of Lakeland on behalf of the University. The contribution was based upon the 10,000 to 12,000 student population projection that was anticipated in the previous Campus Master Plan and CDA documents. Because the student body projections are approximately 75% lower than they were at that time, Mr. Campbell does not anticipate that the University will need to make any more fair-share contributions.

A timeline was given for the new CDA to be approved adopted which will allow the new CDA to go into effect by July 2017.

Discussion occurred regarding the possibility of the University receiving a refund or rebate from the city since the University is no longer anticipating such high enrollment numbers. Mr. Campbell stated that he is looking into the possibility of receiving money back from the city; however, due to the fact that most of the money was spent on transportation improvements, he is unsure whether this will be possible. Mr. Campbell stated that he will seek to insure that the University does not need to spend any more money on fair share contributions.

Discussion occurred regarding the development of the campus acreage and how the land can best be utilized.

X. Florida Polytechnic University Foundation Update

Mr. Kevin Aspegren announced the new members to the Foundation Development team: Laura DeBose, Research Associate; D'Linda Oliver, Data Analyst; Bob Kennedy, Assistant Director of Development; and Ashley Ross, Assistant Director of Development.

Mr. Aspegren reported that the Foundation is mostly on track with the strategic priorities of the University and is currently working to resolve any issues. A brief update on the success of PIVOT and the Women in STEM Summit events was provided. Mr. Aspegren explained that the Foundation is working on creating a custom strategy to create state-wide industry relationships.

Aside from funding from external donors and industry relationships, additional support for the University is gained internally through faculty and staff giving, the alumni association, and the parent association.

Mr. Aspegren discussed the development of the naming opportunities campaign. There are currently naming opportunities in the Athletic Complex, IST Building, Administrative Building, Applied Research Center, and Student Achievement Center.

A brief overview of the Foundation financial statements was given by Mr. Derek Horton. Overall, the University Foundation is under budget. There are currently $9M in Foundation assets; a vendor will be contracted to manage those assets.

XI. Naming Opportunity

Chair Bob Stork elected not to participate in this portion of the meeting and dropped off the call prior to the discussion and voting of the naming opportunity. Chair Stork submitted a disclosure form which is attached. Ms. Gina DeIulio read Chair Stork's disclosure aloud.

Mr. Aspegren stated that the Foundation Board of Trustees has recommended approval of the naming of the Engineering lab as the "Bob Stork Engineering Lab."

Trustee Mark Bostick made a motion to recommend approval of the naming of the Bob Stork Engineering Lab. Trustee Philip Dur seconded the motion. A vote was taken, and the motion passed unanimously.

XII. Construction Progress and Facilities Report

Mr. David Calhoun provided a brief update on the progress of University construction: The recreation building (Wellness Phase 2) is targeted to be completed by fall 2017. A brief overview of the recreation building was given.

The next targeted project will be the Applied Research Center. An RFQ for design services has been sent out, and seventeen qualification submissions have been received. The selection committee will begin reviewing the submissions on March 16.

XIII. Educational Plant Survey

Mr. Rick Maxey presented an overview of the Educational Plant Survey (EPS):

The purpose of the Educational Plant Survey is to project different types of University space needs over the next five years in order to assist in aiding and planning.

Once the EPS is approved by the Board of Trustees, it will go to the Board of Governors for formal adoption and will become the direction of the University for the next five years.

Mr. Maxey reviewed some of the significant points from the survey, including University satisfactory space and space needed. Survey recommendations are needed in order to request state dollars on anything related to the facilities or infrastructure on campus. Mr. Maxey then explained how space needs are determined.

The Board of Governors is currently recommending approval for the Applied Research Center; however, they are not recommending approval for the Student Achievement Center or the Administration Building. Mr. Maxey stated that the University will continue to express its need for these additional buildings.

Mr. Maxey stated in summary that the recommendations from the EPS are satisfactory to where the University is today. However, they are not satisfactory for the growth of the University over the next couple years; thus, the University will seek to receive modifications to the survey over time to align with growing campus needs.

Discussion occurred regarding the leased office space at Polk State College. Mr. Maxey explained that the space legally is owned by Polk State College, who is temporarily leasing the space to the University while the campus is being built out. Dr. Avent explained that the majority of staff is presently at Polk State College.
Discussion occurred regarding the need for space at the University.

Trustee Cliff Otto motioned to approve the Educational Plant Survey. Trustee Mark Bostick seconded the motion. A vote was taken, and the decision passed unanimously.

XIV. Closing Remarks and Adjournment

With no further comments, Trustee Mark Bostick motioned to adjourn the Finance and Facilities Committee. Trustee Cliff Otto seconded the motion. A vote was taken, and the motion to adjourn passed unanimously.

The Finance and Facilities Committee meeting adjourned at 12:27 pm.

DRAFT

FLORIDA POLYTECHNIC UNIVERSITY
BOARD OF TRUSTEES
FINANCE AND FACILITIES COMMITTEE
MEETING MINUTES
Florida Polytechnic University
IST Building Room 1046 / WebEx
4700 Research Way
Lakeland, FL 33805
June 1, 2017 @ 1:00 PM

I. Call to Order

Committee Chair Robert Stork called the meeting to order at 1:05 p.m.

II. Roll Call

Maggie Mariucci called the roll: Chair Robert Stork, Vice Chair Henry McCance, Trustee Mark Bostick, Trustee Jim Dewey, Trustee Sandra Featherman and Trustee Cliff Otto were present (Quorum).

Other Trustees present: Trustee Frank Martin and Trustee Don Wilson.

Staff present: Dr. Terry Parker, Mr. Kevin Aspegren, Ms. Gina DeIulio, Mrs. Maggie Mariucci, Mr. Rick Maxey and Mr. Mark Mroczkowski.

III. Public Comment

There were no requests received for public comment.

IV. Increase in Waiver Authority

The agenda was rearranged and the "Increase in Waiver Authority" was discussed first.

Mark Mroczkowski requested an increase from $2.4 million to $4.5 million in waiver authority due to the fourth cohort of students entering the University in August 2017. He reviewed several documents providing details on scholarships awarded by cohort, a list of estimated scholarships and other waivers along with $2 million in contributions from the Florida Poly Foundation. Mr. Mroczkowski also reviewed a forecast of tuition, waivers, support and discount rate.

The request is the highest in the state university system; however, Florida Poly is still new and developing which justifies the amount. Mr. Mroczkowski reviewed the plan to reduce that requirement over the next four years as the first four cohorts graduate and as the Florida Poly

Foundation grows and generates more funds. According to the plan, the current discount rate of 85% will be reduced gradually with a goal of 54% in 2020, and the current waiver authority of 60% will be reduced annually with a goal of 27% in 2020.

Committee Chair Stork inquired if the $2 million contribution from the Foundation is feasible. Mr. Mroczkowski stated that the Foundation Board has discussed this amount, and they agree that this amount is feasible.

Committee members expressed appreciation for having a reduction plan in place.

This topic will be discussed again at next week's Finance and Facilities Committee meeting on June 7 and a recommendation will be made to the Board.

Mr. Kevin Aspegren stated that while the Foundation raised $3 million, it still owes the University $1.8 million from the current fiscal year's commitment. Mr. Mroczkowski stated that the financial commitment level from the Foundation was kept flat for the coming years. The waiver authority reduction plan is designed to attract students by academic reputation and not by a financial package. The waiver request will be re-examined annually in case the dollar amount can be decreased even more.

Mr. Andrew Strazi, University Bursar, stated approximately one-third of Florida Poly students have Bright Futures scholarships. Admissions is focused on recruiting Bright Futures students. Bright Futures covers only a portion of Florida Poly tuition and fees. Legislation may change the dollar about for top-level students from $3k to $5k annually.

Mr. Aspegren stated one new member was added to the Foundation Board in May bringing the total number to 18. His goal is to have 45 Foundation Board members in the next three years.

V. 2017-2018 Operating and Capital Budget Discussion

Mr. Mroczkowski presented the proposed University budget that begins July 1, 2017. The proposed budget is based on the appropriations given to the University by the legislation this year. It is an all-source budget which includes appropriation funding, PECO funding, FIPR Institute funding and a forecast for fees and auxiliaries. The budget is divided by cost center (i.e. department) followed by columns that show which revenue stream will fund each line item.

Mr. Mroczkowski reviewed the proposed budget by cost center, providing explanation on department budgets that increased or decreased from the previous year. Significant discussion occurred regarding the reduction in budget for Industry Partnerships and Entrepreneurship. It was explained that the current year budget of $2.5 million was funded by a non-recurring appropriation. Without these funds being recurring, a restructure of that area was necessary. This cost center used approximately $400k of the $2.5 million so $400k is what is included in the proposed budget for FY 2017-2018. This $400k will now come from E&G funds. The remaining $2 million of the non-recurring funding is still available for use by this cost center.

Board Chair Martin requested a report on the objectives identified by the University to obtain the non-recurring funding vs actual performance. Did the University meet the objectives in this area? Committee Chair Stork asked for a detailed report for this area that shows where the $400k in

E&G funds is being re-allocated from and what the expenses were for this cost center this current FY. Trustees expressed concern that Industry Partnerships and Entrepreneurship remain a vital part of and priority for the University and requested this topic be further discussed at next week's Finance and Facilities Committee meeting.

Board Chair Martin requested going forward, staff provide all pertinent financial information for purpose of discussion. Detail of current FY expenses as well as written in-depth supporting information is crucial for Committee members to see when considering approval of a proposed budget.

Board Chair Martin requested the name of the contractor providing drivers for University shuttles. He inquired as to why the University uses contracted help vs hiring employees as drivers. Mr. Mroczkowski will provide Chair Martin with a copy of the original transportation proposal and an analysis of contractor costs vs employee costs.

The total budget request for FY 2017-2018 is $46,611,958.

Total budgeted revenues for FY 2017-2018 is projected at $49,190,826.

Capital projects were reviewed. Total expenses projected for capital projects is $5,659,107, which will be funded with carry forward funds. Projects at FIPR Institute will be covered by their own funding. Renovations to the food service area will be funded by Auxiliary funds. Any work relating to the Applied Research Center is funded by PECO funds.

VI. Legislative Budget Request for 2018-19 Discussion

Mr. Rick Maxey stated that the Legislative Budget Request (LBR) is required by law of every University. It is a request to the Legislature for additional money to be used to enhance operations or delivery of existing programs and services or to establish new programs.

Florida Polytechnic University's LBR includes three items:

1. Institute for Intelligent Mobility: $15 million in recurring funds, $5 million in non-recurring funds for a total of $20 million.

   The Institute for Intelligent Mobility is the evaluation and certification arm of SunTrax. This program is unique to Florida Poly as it focuses on standardizing the testing methods for autonomous vehicles.

2. Sustainability for Economic Growth: $3,993,400 in recurring funds, $500,000 in non-recurring funds for a total of $4,493,400.

   This research center will focus on three key resources of food, energy and water. The University is well- positioned to address these key issues as Florida Poly aims to be a net-zero campus.

3. Technology Education Model Program: $3,500,500 in recurring funds, $1,000,000 in non-recurring funds for a total of $4,500,000.

Dr. Rahul Razdan is leading research in this area with a goal to create the next generation of efficiency for online delivery of courses. A software platform piece is included in this program as well as a community outreach plan.

Mr. Maxey stated that these three items begin to show the legislature how Florida Poly is preparing now for the future, now that the University has come through its initial growth phase.

Mr. Maxey reviewed the Capital Improvement Plan. There are three eligible PECO projects: the Applied Research Center, the Student Achievement Center and the Faculty Staff Office Building. Mr. Maxey stated that it normally takes three to four years to obtain funding for a new building. If Florida Poly does not receive all funding for the ARC in four years, the University will add another year to complete the project.

Regarding the Faculty Staff Office Building: the Educational Plant Survey (EPS) was conducted in fall 2016 and approved by the Board in March 2017. The Board of Governors will review the survey at their meeting in June. The EPS is a statement of the facility needs of university over the next five years and is based on FTE. According to the BOG's formula, Florida Poly doesn't have enough students to warrant building an office building. The BOG prefers that universities include office space as part of buildings built to provide programs for students.

VII. 2017-2018 Foundation Budget Discussion

Mr. Mroczkowski stated the Foundation budget has been presented to and approved by the Foundation board. The budget is similar to last year's budget except for two items: financial aid and scholarship is decreased from $5 million to $2 million, and the addition of $617k in component unit transfer to Florida Poly which provides a budgeted way for the Foundation to pay their debt to the University.

Mr. Aspegren stated that every development officer has a $2 million goal for the fiscal year. Advancement is also working to obtain funding from other foundations. He stated that a full-scale PIVOT event will not occur in 2017-2018, but a "PIVOT Light" (smaller) event will occur in fall 2017.

VIII. Closing Remarks and Adjournment

Board Chair Martin thanked Trustees for their invested time and reminded staff to provide more financial details when presenting the budget.

Committee Chair Stork adjourned the meeting at 2:50 pm.

AGENDA ITEM: V

Florida Polytechnic University
Finance and Facilities Committee
Board of Trustees
June 7, 2017

Subject: 2016-2018 Finance and Facilities Committee Work Plan Review

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Proposed Committee Action

No action required- Information only

Background Information

At the December 7, 2016, Finance and Facilities Committee meeting, the committee reviewed and voted on the committee work plan. The work plan has been updated to include their recommendations.

Supporting Documentation:
2016-2018 Revised Finance and Facilities Work Plan

Prepared by: Mark Mroczkowski, CFO and Vice President

Florida Polytechnic University

Finance & Facilities Committee

Work Plan 2016-2018

Finance and Facilities Committee Work Plan

2016-18

March 15, 2017	June 7-8, 2017	September 13, 2017	December 6, 2017
• Workday Student Module • Development and University Foundation Planning • Educational Plant Survey • University Financial Update • Foundation Financial Update • SUS Performance Funding • CDA Draft • Facilities and campus build out	• 2017 Legislative Session Appropriations • 2018-2019 Legislative Budget Request (Operating and Fixed Capital Outlay) • 2017-2018 University Operating Budget • 2017-2018 Foundation Operating Budget • University Financial Update • Foundation Financial Update • SUS Performance Funding • CDA Approval • Facilities and campus build out	• Financial Workshop • University Financial Update • Foundation Financial Update • SUS Performance Funding • Facilities and campus build out	• University Financial Update • Foundation Financial Update • SUS Performance Funding • Facilities and campus build out
[1]March 14, 2018	**[1]June 6-7, 2018**	**[1]September 12, 2018**	**[1]December 5, 2018**
• University Financial Update • Foundation Financial Update • SUS Performance Funding • Facilities and campus build out	• 2019-2020 Legislative Budget Request (Operating and Fixed Capital Outlay) • 2018-2019 University Operating Budget • 2018-2019 Foundation Operating Budget • SUS Performance Funding • Facilities and campus build out	• University Financial Update • Foundation Financial Update • SUS Performance Funding • Facilities and campus build out	• University Financial Update • Foundation Financial Update • SUS Performance Funding • Facilities and campus build out

[1]Tentative until approved by the Board of Trustees

AGENDA ITEM: VI_A&B

Florida Polytechnic University
Finance and Facilities Committee
Board of Trustees
June 7, 2017

Subject: Legislative Budget Request for 2018-19

Proposed Committee Action

A. Recommend approval of the 2018-19 Operating Budget Request to the Board of Trustees.

B. Recommend approval of the 2018-19 Capital Improvement Plan to the Board of Trustees.

Background Information

The LBR is a request for additional money through the Legislative process to (1) enhance the operations or delivery of existing programs and services and (2) establish new programs. Funds appropriated through this process are in addition to funds received in previous Legislative sessions for operating the university. There are two sections of the request: Operating Funds (day to day operational expenses) and Fixed Capital Outlay (FCO) for facilities construction, maintenance and remodeling. The request includes recurring and nonrecurring funds.

The Board is being asked to approve the operating LBR in this agenda item. The submission of an LBR to the Legislature and Governor should be based on the university's independent judgment of need. Sections 1001.706(4) (b), 1011.40(1) and 1013.60, F.S., require each university to submit an institutional budget request within established guidelines. The Board of Governors (BOG) distributed guidelines for the Legislative Budget Request pursuant to Section 7, Article 9 of the Florida Constitution and Section 216.023(1), Florida Statutes. The Board of Trustees must approve and submit its university Legislative Budget Request to the BOG by July 10, 2017. The Board of Governors will meet on August 31, 2017 to approve the initial State University System LBR comprising some of the items from among LBRs of the 12 public universities in Florida. The BOG estimates a submission date around January 9, 2018 to the Governor and Legislature.

The Board of Governors has requested universities submit requests for the following priority components:

A. **Operating Budget Submission**:

1. Shared System Resources- Consideration will be given to initiatives that allow for greater efficiencies through shared system resources or are a system-wide need. All initiatives that impact the SUS should be vetted through the appropriate university council (CAVP, CAFA, CSA) before being submitted to the Board Office on July 17, 2017.
2. Other unique university initiatives that will be a priority for the LBR year and are tied to the universities' strategic plan and work plan will be due from the institutions on July 10th.

3. University Efficiencies- An update on university efficiencies describing three of the top efficiencies initiated within the last year (due July 10th).

B. <u>Fixed Capital Outlay Submission:</u>

1. Maintenance Projects
    a. Funding for Remodeling/Renovation/Maintenance/Repair will be requested from PECO pursuant to formula as required by Section 1013.64(1)(a), Florida Statues
2. System and Continuation Projects
    a. Projects funded by the Legislature in the amount and in the year as last included on the Board adopted three year list
    b. Projects funded by the Legislature, but not on the Board adopted three year list
    c. Projects that require additional funding to complete
3. Renovation Projects
    a. Utilities/Infrastructure/Capital Renewal/Roofs Needs
    b. Renovation and Remodeling projects to meet current space needs, Structural/Mechanical repairs, replacement of existing facilities which have a survey recommendation
4. Strategic Projects
    a. Land or Building Acquisition in accordance with university board of trustees adopted master plans
    b. New facilities, as needed to meet instructional and support space needs
5. Legislative Authorizations
    a. Required legislative authorizations will be requested for externally funded projects as proposed by the universities, in accordance with Section 1010.62 and 1013.78, Florida Statutes

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Supporting Documentation:
2018-19 Operating Budget Request
2018-19 Capital Improvement Plan

Prepared by: Rick Maxey, Director of Government Relations

State University System
Florida Board of Governors
2018-2019 Legislative Budget Request Instructions
Forms I and II

The main objective of Form I and Form II is to align budget issues and dollar values with the goals and objectives of the strategic priorities and the 2017 University Work Plan established by each university.

For FY 2018-2019, each university should submit one Form I and Form II for each university-unique budget issue and/or any system-wide issue identified as a critical system-wide need. Any issues unique to a branch campus or a special unit (e.g., IFAS Workload Initiative) should not be rolled into the main campus request, but reflected separately by use of the forms provided.

For system-wide issues, consideration will be given to issues that allow for greater efficiencies through shared system resources or identified as a system-wide need. If requesting funds as such, please list all university participants of the initiative and check the box "Shared Services/System-Wide Issue".

For unique issues identified by a university, please check the box "Unique Issue for 2018-2019".

Please keep in mind that all issues submitted for consideration by the Board should align with the goals and objectives of the strategic priorities and work plan established by each university.

State University System
Education and General
2018-2019 Legislative Budget Request
Form I

University(s):	
Issue Title:	**Institute for Intelligent Mobility**
Recurring Funds Requested:	**$15,000,000**
Non-Recurring Funds Requested:	**$ 5,000,000**
Total Funds Requested:	**$20,000,000**
Please check the issue type below:	
Shared Services/System-Wide Issue for Fiscal Year 2018-2019	☐
Unique Issue for Fiscal Year 2018-2019	☒

I. Description – *1. Describe the service or program to be provided and how this issue aligns with the goals and objectives of the strategic priorities and the 2017 Work Plan established by your institution (include whether this is a new or expanded service/program). If expanded, what has been accomplished with the current service/program?* 2. *Describe any projected impact on academic programs, student enrollments, and student services.*

The Institute for Intelligent Mobility (IIM)) is the evaluation and certification arm of SunTrax. SunTrax is a 400-acre facility dedicated to transportation technology and autonomous vehicle testing (AV). It is a controlled environment with safety and security protocols, and it features a 2.25-mile, high-speed oval designed for high-speed travel and multiple lanes. The vision for SunTrax includes the build-out of multiple environments, including a simulated downtown urban core to test transit, vehicle, pedestrian and bicycle interactions with AVs.

While other autonomous vehicle centers focus almost exclusively on the development of the software and algorithms necessary in this emerging industry. IIM is a robust and holistic test environment focused on verification, testing and evaluation of the software and algorithms thereby ensuring the greatest level of safety on Florida's highways. There are three primary facets

of IIM that enable it to do full spectrum testing of emerging autonomy systems.

Simulation provides a platform for system learning, scenario control and precise repetition at a reduced cost, but often in untested environments. Live testing provides the most realistic testing environment and is most useful for regulatory and certification environments, but is often expensive. Hardware in-the-loop emulation is a hybrid approach that provides value for regulatory or certification systems. The Institute for Intelligent Mobility will develop all three approaches as part of the SunTrax testing complex. IIM will be unique as a testing site that includes simulation, live testing, and hardware in the loop emulation.

What really makes the Institute for Intelligent Mobility unique is that its technologies and methodologies can be applied to some of the state's most important economic sectors. In addition to autonomous vehicles, IIM will spawn centers that work with key Florida industries to grow autonomous operations in agriculture, transportation logistics, planned communities, defense and other areas of transportation.

IIM will be a critical component to another phase of the autonomous vehicles program, the Central Florida AV Proving Ground. The U.S. Department of Transportation recently designated Central Florida, including SunTrax, as a recognized Automated Vehicle (AV) Proving Ground. As one of only ten such centers nationally, and the only one that is this robust and comprehensive, Florida is poised to take a national leadership role in what is expected to be a multi-billion industry.

IIM will additionally enhance the university's academic programs. We have already begun offering coursework in autonomous vehicles and anticipate continued growth of this academic field of study and research.

II. Return on Investment - *Describe the outcome(s) anticipated, dashboard indicator(s) to be improved, or return on investment. Be specific. For example, if this issue focuses on improving retention rates, indicate the current retention rate and the expected increase in the retention rate. Similarly, if it focuses on expanding access to academic programs or student services, indicate the current and expected outcomes.*

Benefits of the Institute for Intelligent Mobility are two-fold. Even conservative projections predict a multi-billion-dollar industry. Florida stands to obtain a significant share of that market with its investment in IIM. More important is that even modest reductions in serious automobile crashes will save thousands of lives. In addition, the reduction in serious crashes will reduce the costs associated with serious injury and death. In addition, it will

provide opportunities for our students to engage in the emerging field of autonomous vehicles research and academic study.

III. Facilities (*If this issue requires an expansion or construction of a facility, please complete the following table.):*

	Facility Project Title	Fiscal Year	Amount Requested	Priority Number
1.				
2.				

2018-2019 Legislative Budget Request
Education and General
Position and Fiscal Summary
Operating Budget Form II
(to be completed for each issue)

University: **Florida Polytechnic Universi**
Issue Title: **Institute for Intelligent Mobility**

	RECURRING	NON-RECURRING	TOTAL
Positions			
Faculty	4.00	0.00	4.00
Other (A&P/USPS)	6.00	0.00	6.00
Total	10.00	0.00	10.00
Salary Rate (for all positions noted above)			
Faculty	$800,000	$0	$800,000
Other (A&P/USPS)	$600,000	$0	$600,000
Total	$1,400,000	$0	$1,400,000
Salaries and Benefits	$1,904,000	$0	$1,904,000
Other Personal Services	$196,000	$0	$196,000
Expenses	$4,000,000	$1,000,000	$5,000,000
Operating Capital Outlay	$7,400,000	$4,000,000	$11,400,000
Electronic Data Processing	$1,500,000	$0	$1,500,000
Special Category (Specific)	$0	$0	$0
	$0	$0	$0
	$0	$0	$0
	$0	$0	$0
Total All Categories	$15,000,000	$5,000,000	$20,000,000

State University System
Florida Board of Governors
2018-2019 Legislative Budget Request Instructions
Forms I and II

The main objective of Form I and Form II is to align budget issues and dollar values with the goals and objectives of the strategic priorities and the 2017 University Work Plan established by each university.

For FY 2018-2019, each university should submit one Form I and Form II for each university-unique budget issue and/or any system-wide issue identified as a critical system-wide need. Any issues unique to a branch campus or a special unit (e.g., IFAS Workload Initiative) should not be rolled into the main campus request, but reflected separately by use of the forms provided.

For system-wide issues, consideration will be given to issues that allow for greater efficiencies through shared system resources or identified as a system-wide need. If requesting funds as such, please list all university participants of the initiative and check the box "Shared Services/System-Wide Issue".

For unique issues identified by a university, please check the box "Unique Issue for 2018-2019".

Please keep in mind that all issues submitted for consideration by the Board should align with the goals and objectives of the strategic priorities and work plan established by each university.

State University System
Education and General
2018-2019 Legislative Budget Request
Form I

University(s):	**Florida Polytechnic University**
Issue Title:	**Sustainability for Economic Growth**
Recurring Funds Requested:	**$3,993,400**
Non-Recurring Funds Requested:	**$500,000**
Total Funds Requested:	**$4,493,400**
Please check the issue type below:	
Shared Services/System-Wide Issue for Fiscal Year 2018-2019	☐
Unique Issue for Fiscal Year 2018-2019	☒

I. Description – *1. Describe the service or program to be provided and how this issue aligns with the goals and objectives of the strategic priorities and the 2017 Work Plan established by your institution (include whether this is a new or expanded service/program). If expanded, what has been accomplished with the current service/program?* 2. *Describe any projected impact on academic programs, student enrollments, and student services.*

Florida's development as a global economy was built historically on tourism, agriculture and growth. A fourth important component of the state's economic development now includes a robust high-tech and innovation sector. According to The Globalist, if Florida was a stand-alone nation, it would have the 15th largest Gross National Product in the world. On a national level, Business Insider ranks Florida's economy as 7th largest. The increased diversification of the state's economy makes an already strong and competitive economy even more competitive and better able to survive and prosper through inevitable downturns in national and world economies. Critical needs in the coming years are sustainability, specific to the unique opportunities that Florida presents, in the areas of food, energy, and water.

There is a looming inflection point where traditional economic staples will need support if they are to continue along a positive trajectory. The foundation of the state's ability to continue improving is management of Florida's three key

resources; food, energy and water. Each is essential to the economic, environmental and social well-being of the state.

In addition to its favorable business and tax climates, Florida's abundance of food production, energy and clean water serve as foundations upon which economic drivers depend. Ensuring the sustainability of those three is crucial to continued economic prosperity. To that end, Florida Polytechnic University seeks to leverage the resources of the Florida Industrial and Phosphate Research (FIPR) Institute.

Florida Poly regularly evaluates all programs and has already begun to review FIPR to determine how best its resources can be used to address some of the state's food, energy and water issues. In these reviews, we have identified how an expansion of FIPR's work can benefit the citizens of Florida.

FIPR has already begun work that supports industry and other university efforts such as the Institute of Food and Agricultural Science (IFAS) at the University of Florida, water management districts, phosphate companies and energy research.

The state's investment in these areas is crucial, but Florida Poly has not waited to begin this critically important work that will help to ensure the well-being of the citizens of Florida. Some of our faculty members have already received grants, or the university has directly funded efforts, to develop solutions to some of the state's sustainability issues related to food, energy and water. The University's resources are limited and the investment by the state of Florida is necessary to continue and expand this critical work. Two unique elements separate Florida Poly within the SUS: 1) the opportunity as a new campus to become a net-zero energy campus, and 2) the opportunity to expand the state-funded mission of FIPR from directed support of an industry to an effort that continues to support the phosphate industry **and** that builds sustainability solutions for Florida. The focus on food, energy, and water provides a platform for significant impact by the center.

Expanded efforts in these three critical areas will complement work currently being conducted by the Florida Industrial and Phosphate Research Institute. Substantial components of FIPR's expanded focus will be sustainable methods and technologies related to food, energy and water.

Already, Florida Poly faculty members are researching sustainability methods for growing food more efficiently while using fewer resources and less land. The FIPR Institute already addresses food security from the standpoint of fertilizer production, and it would expand that focus to include "farm to table" security. Complementing the work of IFAS, we expect to find answers more quickly to some of the vexing problems around our food supply.

With the additional resources, we will concentrate on the critical control points of industrial sectors under the food, energy and water umbrella. Food, energy and water are critical to all of the pillars underpinning Florida's economy. Florida Polytechnic University, through FIPR, will seek to solve some of the issues that are essential to the state's future. For example, FIPR is currently researching the use of sulfur as an energy source, which we expect to be of interest to energy companies.

As an off-shoot of the research to address some of these problems, we anticipate that derived intellectual property will lead to the creation of new companies and jobs in our state. Business and job growth has already occurred as a result of current efforts by FIPR.

Academic programs will also be developed to take advantage of the work performed by faculty and researchers at FIPR. Students will get hands on experience as they prepare to work within the companies that will benefit from the work at FIPR. Companies will get new employees who not only understand the theory behind sustainability but will have first-hand knowledge needed to apply those theories to the state's problems in those areas.

II. Return on Investment - *Describe the outcome(s) anticipated, dashboard indicator(s) to be improved, or return on investment. Be specific. For example, if this issue focuses on improving retention rates, indicate the current retention rate and the expected increase in the retention rate. Similarly, if it focuses on expanding access to academic programs or student services, indicate the current and expected outcomes.*

The problems that affect Florida's industrial production, efficiency, economics, competitiveness, and the like must be addressed with practical solutions, whether those solutions are derived as technologies, flowsheets, or strategies. This will maximize the Return on Investment (ROI) because resources will be applied where they have the greatest impact.

This practical approach to sustainability has never been attempted in Florida and the success of each project will be determined by factors that can be directly attributed to the FIPR solutions:

- Percentage increase in production
- Percentage increase in efficiency
- Dollar increase in profit margin
- Percentage increase in market share
- Direct and indirect jobs added to the economy

It is also anticipated that the FIPR's R&D and derived intellectual property will foster entrepreneurship and spin-off ventures which can be directly attributed to efforts by FIPR.

It is expected that University faculty and students will be directly involved in this applied research. Student participation in applied research is a key component of the University's pedagogy and will greatly enhance the readiness of our students to enter the workforce. Students who have help to find solutions to problems in Florida or who participate in internships will be more valuable to companies seeking employees.

III. Facilities (*If this issue requires an expansion or construction of a facility, please complete the following table.):*

	Facility Project Title	Fiscal Year	Amount Requested	Priority Number
1.				
2.				

2018-2019 Legislative Budget Request
Education and General
Position and Fiscal Summary
Operating Budget Form II
(to be completed for each issue)

University: **Florida Polytechnic University**
Issue Title: **Sustainability for Economic Growth**

	RECURRING	NON-RECURRING	TOTAL
Positions			
Faculty	4.00	0.00	4.00
Other (A&P/USPS)	8.00	0.00	8.00
Total	12.00	0.00	12.00
Salary Rate (for all positions noted above)			
Faculty	$655,000	$0	$655,000
Other (A&P/USPS)	$838,400	$0	$838,400
Total	$1,493,400	$0	$1,493,400
Salaries and Benefits	$1,493,400	$0	$1,493,400
Other Personal Services	$0	$0	$0
Expenses	$500,000	$50,000	$550,000
Operating Capital Outlay	$100,000	$450,000	$550,000
Electronic Data Processing	$100,000	$0	$100,000
Special Category (Specific)	$0	$0	$0
R&D (Internal and RFP)	$1,300,000	$0	$1,300,000
Consulting / Contracting	$500,000	$0	$500,000
	$0	$0	$0
Total All Categories	$3,993,400	$500,000	$4,493,400

State University System
Florida Board of Governors
2018-2019 Legislative Budget Request Instructions
Forms I and II

The main objective of Form I and Form II is to align budget issues and dollar values with the goals and objectives of the strategic priorities and the 2017 University Work Plan established by each university.

For FY 2018-2019, each university should submit one Form I and Form II for each university-unique budget issue and/or any system-wide issue identified as a critical system-wide need. Any issues unique to a branch campus or a special unit (e.g., IFAS Workload Initiative) should not be rolled into the main campus request, but reflected separately by use of the forms provided.

For system-wide issues, consideration will be given to issues that allow for greater efficiencies through shared system resources or identified as a system-wide need. If requesting funds as such, please list all university participants of the initiative and check the box "Shared Services/System-Wide Issue".

For unique issues identified by a university, please check the box "Unique Issue for 2018-2019".

Please keep in mind that all issues submitted for consideration by the Board should align with the goals and objectives of the strategic priorities and work plan established by each university.

State University System
Education and General
2018-2019 Legislative Budget Request
Form I

University(s):	
Issue Title:	**Technology Education Model Program**
Recurring Funds Requested:	**$3,500,000**
Non-Recurring Funds Requested:	**$1,000,000**
Total Funds Requested:	**$4,500,000**
Please check the issue type below:	
Shared Services/System-Wide Issue for Fiscal Year 2018-2019	☐
Unique Issue for Fiscal Year 2018-2019	☒

I. Description – *1. Describe the service or program to be provided and how this issue aligns with the goals and objectives of the strategic priorities and the 2017 Work Plan established by your institution (include whether this is a new or expanded service/program). If expanded, what has been accomplished with the current service/program?* 2. *Describe any projected impact on academic programs, student enrollments, and student services.*

Florida Polytechnic University was created to catalyze economic development in the state of Florida. Two main components comprise the strategy, teaching STEM programs and applied research. Regarding STEM teaching Florida Poly has built a strong project based curriculum. In the summer of 2016, the University embarked on an exercise to examine how STEM education can be fundamentally accelerated for the traditional student and be made available to the adult population. What resulted is the Technology Education Model Program (TEMP), an approach to teaching STEM that uses technology to more efficiently develop and deliver STEM related education. TEMP is anticipated to improve student outcomes and reduce instruction related costs through three lenses. They are pedagogy, talent and a pipeline to STEM programs at universities.

Pedagogy, or how information is taught, struggles to incorporate new methods of teaching in large part because of cultural barriers. Florida Poly, being only a few years old, is not saddled with those cultural barriers. Therefore we have the

ability to develop and implement more effective techniques which we would then share with other universities in Florida.

Much of the instruction today is still manual and repetitive. Studies have shown that active learning environments are much more effective at helping students to learn and retain information. TEMP integrates technology in a manner that facilitates active learning and supports faculty. Instead of each faculty member creating their own version of a course we intend to use open source software techniques to capture, enable collaboration, and maintain instructional intellectual property (IP). Faculty would collaborate with their peers to create content. This allows for the capture of instructional (IP) that can be shared over time, alleviating the necessity of faculty having to recreate content that has been previously created.

By sharing the results of this work, Florida Poly will help to build an environment among universities in Florida that eliminates the need to operate independently and provides tools for them to act as partners. Efficiencies resulting from this system would cause the cost of course development to fall and the quality to improve.

In addition the use of motivational methods and coaching, which are very important to student success, will be integrated into the curriculum. It will be combined with early career discovery to help students properly determine their educational paths and make better use of their educational investment. TEMP proposes to build the initial software system to capture instructional IP and the connections required to integrate motivational techniques and early career discovery into the solution.

Talent was identified as a critical component for the continued growth of Florida's economy by the Florida Chamber of Commerce. It has served as one of the guiding principles behind higher education in Florida. In addition to early preparation of students in the basics of reading, writing and arithmetic at the beginning of the pipeline, there are some relatively new models for credentialing that are promising.

Micro credentialing, such as nano-degrees, primarily target non-traditional students that are already in the workforce and are looking to further their careers and/or switch career paths. However, they also benefit traditional students by demonstrating mastery of subcomponents of their degree fields. Micro credentials are specifically designed to educate students in a very narrow subfield of the traditional university education. Business entities that have difficulty filling technical jobs due to a lack of qualified applicants are driving this trend because it allows them to hire entry level employees that have the precise skills needed for a particular job. It is also a way for their current employees to expand their knowledge and skill. Professionals in areas as diverse

as software engineering and marketing are taking advantage of these programs. In contrast, the Professional Master's Program (PMP) is a terminal M.S. program. It targets working professionals who want to pursue an M.S. degree to further educate themselves, obtain cutting-edge knowledge and apply what they learn to their jobs, and careers. Furthermore, the PMP admission process evaluates applicants primarily on their potential to complete a challenging M.S. program at Florida Poly, not on their potential to do research leading to a Ph.D. degree.

The Technology Education Model Program can also impact in a broader way. One of the challenges facing most industries today is the lack of upcoming talent to fill positions for employees who are retiring or moving to other opportunities. A component of TEMP is that it helps to build the pipeline into STEM careers through a summer program targeting youth down to middle school. This outreach program helps build the pipeline and both used the tools that are a part of TEMP and also in a traditional, visit the campus and participate in relevant educational programs that are a natural part of the Florida Poly mission.

The summer program would bring in high performing youth from around the state for intensive coding education in the context of applications. What they learn will help to prepare them for the more rigorous coursework at Universities and provide motivation to continue pursuing a STEM education.

Studies have shown that diversity of all types in education programs has a beneficial effect on student learning so the summer program will include participation by students from underrepresented groups throughout Florida.

Higher education has been shown to lift entire families out of poverty and to increase the ability of the state's workers to support their families.

II. Return on Investment - *Describe the outcome(s) anticipated, dashboard indicator(s) to be improved, or return on investment. Be specific. For example, if this issue focuses on improving retention rates, indicate the current retention rate and the expected increase in the retention rate. Similarly, if it focuses on expanding access to academic programs or student services, indicate the current and expected outcomes.*

The Technology Education Model Program can reduce the cost of course development, increase efficiency in course instruction, better prepare students for the work place and provide a means for current employees to improve their career mobility.

III. Facilities (*If this issue requires an expansion or construction of a facility, please complete the following table.):*

	Facility Project Title	Fiscal Year	Amount Requested	Priority Number

1.				
2.				

2018-2019 Legislative Budget Request
Education and General
Position and Fiscal Summary
Operating Budget Form II
(to be completed for each issue)

University: **Florida Polytechnic University**
Issue Title: **Technology Education Model Program**

	RECURRING	NON-RECURRING	TOTAL
Positions			
Faculty	3.00	0.00	3.00
Other (A&P/USPS)	4.00	0.00	4.00
Total	7.00	0.00	7.00
Salary Rate (for all positions noted above)			
Faculty	$450,000	$0	$450,000
Other (A&P/USPS)	$320,000	$0	$320,000
Total	$770,000	$0	$770,000
Salaries and Benefits	$1,047,200	$0	$1,047,200
Other Personal Services	$125,000	$0	$125,000
Expenses	$2,300,000	$0	$2,300,000
Operating Capital Outlay	$102,800	$500,000	$602,800
Electronic Data Processing	$125,000	$0	$125,000
Special Category (Specific)	$0	$0	$0
Consultants	$300,000	$0	$300,000
	$0	$0	$0
	$0	$0	$0
Total All Categories	$4,000,000	$500,000	$4,500,000

STATE UNIVERSITY SYSTEM
Five-Year Capital Improvement Plan (CIP-2) and Legislative Budget Request
Fiscal Years 2018-19 through 2022-23
CIP-2, Summary of Projects

University Florida Polytechnic University

PECO-ELIGIBLE PROJECT REQUESTS

Priority No	Project Title	2018-19 Year 1	2019-20 Year 2	2020-21 Year 3	2021-22 Year 4	2022-23 Year 5	Academic or Other Programs to Benefit from Projects	Net Assignable Square Feet (NASF)	Gross Square Feet (GSF)	Project Cost	Project Cost Per GSF (Proj. Cost/ GSF)	Educational Plant Survey Recommended Date/Rec No.	Approved by Law - Include GAA reference
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1	Applied Research Center	22,178,613	4,518,150				Research	60,786	85,100	38,696,763	$ 455	2017	2012/SB 1994
2	Student Achievement Center		6,281,075	13,586,220	2,627,933		STEM	40,986	57,380	22,495,228	$ 392	2017	2012/SB 1994
3	Faculty Staff Office Building			4,852,975	11,885,147	5,039,500	STEM	38,786	54,300	21,777,622	$ 401	2017	2012/SB 1994
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	TOTAL	22178613	10799225	18439195	14513080	5039500							

CITF PROJECT REQUESTS

Priority No	Project Title	Year 1	Year 2	Year 3	Year 4	Year 5	Academic or Other Programs to Benefit from Projects	Net Assignable Square Feet (NASF)	Gross Square Feet (GSF)	Project Cost	Project Cost Per GSF (Proj. Cost/ GSF)	Committee Approval Date
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	TOTAL	0	0	0	0	0						

CIP2

REQUESTS FROM OTHER STATE SOURCES

Priority No	Project	Year 1	Year 2	Year 3	Year 4	Year 5	Academic or Other Programs to Benefit from Projects	Net Assignable Square Feet (NASF)	Gross Square Feet (GSF)	Project Cost	Project Cost Per GSF (Proj. Cost/ GSF)		
							STEM	65700	91980	36194320	$ 394	2017	2012/SB 1994
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	TOTAL	0	0	0	0	0							

REQUESTS FROM NON-STATE SOURCES, INCLUDING DEBT

	Project	Year 1	Year 2	Year 3	Year 4	Year 5	Academic or Other Programs to Benefit from Projects	Net Assignable Square Feet (NASF)	Gross Square Feet (GSF)	Project Cost	Project Cost Per GSF (Proj. Cost/ GSF)	Expected Source of Funding (if known)	Master Plan Approval Date
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	TOTAL	0	0	0	0	0							

CIP2

CIP-3 SHORT-TERM PROJECT EXPLANATION
CIP-3, A – NARRATIVE DESCRIPTION

AGENCY Florida Polytechnic University
BUDGET ENTITY SUS
PROJECT TITLE Applied Research Center

AGENCY PRIORITY 1
DATE BLDG PROGRAM APPROVED 06.02.2016

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

The State of Florida has invested heavily in creating an economic future as a leader of high-tech. Florida Polytechnic University's focus is applied research of real-world issues of high importance to its citizens. This research will serve as an economic catalyst in Florida and the nation. The university is at the forefront of an emerging trend among STEM institutions to supply the expertise and collaborative research opportunities that are vital to high-tech companies. Florida Polytechnic research will be less curiosity driven and more focused on solving real-world problems.

Based on current enrollment projections and very modest projections for faculty and industry partnered research, the expectation is that we must begin developing new research capacity now. As of May 2017, 100+ companies (industry partners) have signed on to partner with the University. The partners are expecting to work with our faculty and students on research problems that can help them grow Florida's economy. These partners and more to come, along with our faculty and students must have sufficient research space and access to technology that high-tech industries demand of their research partners.

In addition to laboratories, the facility will accommodate an entrepreneurship center to assist with the commercialization of the products and systems created from the University's research. Faculty, students and private sector researchers will get the support they need to start companies, patent their innovations and create high-paying, high-tech jobs. Space is also needed to meet the demand for hosting industry research groups as well as national and international meetings that bring money from around the world to Florida. This intellectual talent will be available to researchers in Florida, leading to an increased likelihood that solutions with commercial appeal will be generated.

A significant amount of the interest shown by students in attending Florida Polytechnic University is the fact that they will get hands-on experience working with the latest technology on real-world problems. Our students will work side-by-side with industry researchers and university faculty as they seek to answer some of the pressing problems of society. Industry has made it clear that one of their biggest concerns with talent is that students graduate and are not prepared for the complexity of real-world problems, are not prepared to work as a part of a team and have little experience working with the latest technologies. Some of our industry partners have already identified issues on which they want to work on with our faculty and students. Having the facility to conduct this research is crucial to the university's mission and is a significant part of the foundation for creating Florida Polytechnic University.

STATISTICAL JUSTIFICATION

The Statistical Justification portion of the CIP-3 is not required this year.

STATE UNIVERSITY SYSTEM
CIP-3, SHORT-TERM PROJECT EXPLANATION

GEOGRAPHIC LOCATION: **Florida Polytechnic University - Lakeland FL**

COUNTY: **Polk**

PROJECT BR No. **1207**

CIP-3, B - PROJECT DESCRIPTION **Applied Research Center**

Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost
Teaching Labs	7,000	1.4	9,800	376	3,684,800
Research Labs	32,000	1.4	44,800	386	17,292,800
Office/Computer	21,500	1.4	30,100	331	9,963,100
Campus Support	286	1.4	400	282	112,913
Totals	60,786		85,100		31,053,613

*Apply Unit Cost to total GSF based on primary space type

Remodeling/Renovation

Total Construction - New & Rem./Renov.				31,053,613

Assumed Bid Date	Occupancy Date

Space Detail for Remodeling Projects

BEFORE		AFTER	
Space Type	Net Area (NASF)	Space Type	Net Area (NASF)
Total	0	Total	0

CIP-3, C - SCHEDULE OF PROJECT COMPONENTS ESTIMATED COSTS

1. BASIC CONSTRUCTION COSTS	Funded to Date	Year 1	Year 2	Year 3	Year 4	Year 5	Funded & In CIP
a.Construction Cost (from above)	9,485,000	21,568,613					$ 31,053,613
Add'l/Extraordinary Const. Costs							
b.Environmental Impacts/Mitigation							$ -
c.Site Preparation	50,000						$ 50,000
d.Landscape/Irrigaiton			25,000				$ 25,000
e.Plaza/Walks			75,000				$ 75,000
f.Roadway Improvements							$ -
g.Parking ___ spaces			1,000,000				$ 1,000,000
h.Telecommunication	120,000						$ 120,000
i.Electrical Service	175,000						$ 175,000
j.Water Distribution	120,000						$ 120,000
k.Sanitary Sewer System	125,000						$ 125,000
l.Chilled Water System	175,000						$ 175,000
m.Storm Water System	150,000						$ 150,000
n.Energy Efficient Equipment							$ -
Total Construction Costs	10,400,000	21,568,613	1,100,000	0	0	0	$ 33,068,613
2. OTHER PROJECT COSTS							
a.Land/existing facility acquisition							$ -
b.Professional Fees	1,600,000	610,000	390,000				$ 2,600,000
c.Fire Marshall Fees			7,250				$ 7,250
d.Inspection Services			40,000				$ 40,000
e.Insurance Consultant			23,200				$ 23,200
f.Surveys & Tests			50,000				$ 50,000
g.Permit/Impact/Environmental Fees			8,700				$ 8,700
h.Artwork			29,000				$ 29,000
i.Moveable Furnishings & Equipment			2,000,000				$ 2,000,000
j.Project Contingency			870,000				$ 870,000
Total - Other Project Costs	1,600,000	610,000	3,418,150	0	0	0	$ 5,628,150
ALL COSTS 1+2	12,000,000	22,178,613	4,518,150	0	0	0	$ 38,696,763

Appropriations to Date Source	Fiscal Year	Amount	Project Costs Beyond CIP Period Source	Fiscal Year	Amount	Total Project In CIP & Beyond
TOTAL		0	TOTAL		0	38,696,763

CIP-3

Higher Educational Facilities
Return on Investment – Florida Polytechnic University

This is a tool developed by a collaborative group of stakeholders designed to facilitate the identification of return on investment metrics for higher education facilities. Check any box(es) that apply, provide a quantitative explanation, and identify the term or years in which ROI information is provided.

Institution: Florida Polytechnic University
Project: Applied Research Center
Total Project Cost: $ 38,696,763
Previous Funding (State): $ 7,000,000
University Contribution: $ 5,000,000
Current Request: $ 26,696,763
STEM (Yes or No): Yes
Contact Person (Name, Position, Office and Cell Phone No., Email):
Mark Mroczkowski, CFO 836.874.8408 407.580.5317 MMroczkowski@FL Poly.org

Check any box(es) that apply and provide a quantitative explanation. Identify the term or years in which ROI information is projected.

1. ☐ Number of Additional Degrees and Certificates Produced and How Those Degrees are Meeting the Needs of our State (Job Openings, Average Wages of those Job Openings, etc)

   Explanation:

The number of students attending Florida Polytechnic University will increase as the university develops. This will lead to more students graduating with degrees in high-tech fields. These graduates will earn salaries higher than average wages, thus helping to increase the economic health of the State of Florida.

2. **X** Number of Additional Students Served and the Benefits/Efficiencies Created (increase graduation rate, alleviate waitlist, increase academic support, etc.)

   Explanation:

The ARC will provide research space for faculty which gives graduate students opportunities beyond the limited opportunities currently available to engage in research in the Innovation, Science and Technology (IST) building. We anticipate that additional graduate students will get research experience as a result of building the Applied Research Center (ARC). The ARC will attract major private sector research companies looking to take advantage of the university's graduate students. While the number is undetermined at this time, Florida Polytechnic University currently has no research space in which to collaborate on applied research projects with industry partners.

3. **X** Amount of Additional Research Funding to be Obtained; Patents Awarded

   Explanation:

We anticipate an additional $20 M in research funding and 5-10 patents in the short term. Already, we have freshmen students who are being assisted with filing provisional patents.

4. **X** Project is in an Area of Strategic Emphasis as Determined by the Board of Governors' Gap Analysis or the Department of Economic Opportunity's National Occupational Forecast

   Explanation:

Florida Polytechnic University is a 100% STEM University so all degree programs address Areas of Strategic Emphasis. Students and faculty in those programs engage in "applied research" which is a major focus of the institution.

5. ☐ Improves the Ranking of a Preeminent Program or Improves on a Performance Funding Model Metric

   Explanation:

Florida Polytechnic University began educating students in the Fall of 2014. Therefore there has been not enough time to generate results or data to serve as the basis for any of its programs to be classified as preeminent or be included in the state's Performance Funding Model.

6. **X** Increase Business Partnerships Which Will Lead to Guaranteed Internships and Jobs for Students

   Explanation:

The capacity of the university to collaborate with more industry partners will lead to internships and jobs for its students. The ARC will help with recruiting additional partners. Many of our 89 existing partners have already expressed their interest in providing internships for Florida Polytechnic University students. Therefore we expect that many of the additional partners will also provide internships for students.

7. **X** Project Improves the Use, either Operationally or Academically, of Existing Space

   Explanation:

Currently, we are converting classroom space to research space which creates two negative outcomes. First, the conversion of classroom space reduces the intended capacity of the IST for educating students. Second, the converted classroom space is not ideal for use as research space. Therefore, the ARC will provide appropriate space for applied research and free up space in the IST for academic instruction. This increases the number of students that can be educated in those high-tech fields important to Florida's development as a leader in STEM education. The research conducted will lead to commercialization of some of the outcomes from that research.

8. ☐ Contribution of Local Funds Through Matching Grants, Property Donations, etc.

   Explanation: None

9. ☐ Reduces Future Deferred Maintenance Cost and Extends the Life of the Facility by Bringing the Project up to Existing Standards (cost-benefit analysis of renovation or new facility vs. maintenance)

   Explanation:

Not applicable. The first phase of the campus was completed in 2014.

Other Pertinent Information not included above:

The State of Florida has invested heavily in creating an economic future as a leader of high-tech. Florida Polytechnic University's focus is applied research of real-world issues of high importance to its citizens. This research will serve as an economic catalyst in Florida and the nation. The University is at the forefront of an emerging trend among STEM institutions to supply the expertise and collaborative research opportunities that are vital to high-tech companies. Florida Polytechnic research will be less curiosity driven and more focused on solving real-world problems.

Based on current enrollment projections and very modest projections for faculty and industry partnered research, the expectation is that we must begin developing new research capacity now. As of June 2015, 89 companies have signed on to partner with the University. The partners are expecting to work with our faculty and students on research problems that can help them grow Florida's economy. These partners and more to come, along with our faculty and students must have sufficient research space and access to technology that high-tech industries demand of their research partners.

In addition to laboratories, the facility will accommodate an entrepreneurship center to assist with the commercialization of the products and systems created from the university's research. Faculty, students and private sector researchers will get the support they need to start companies, patent their innovations and create high-paying, high-tech jobs. Space is also needed to meet the demand for hosting industry research groups as well as national and international meetings that bring money from around the world to Florida. This intellectual talent will be available to researchers in Florida, leading to an increased likelihood that solutions with commercial appeal will be generated.

A significant amount of the interest shown by students in attending Florida Polytechnic University is the fact that they will get hands-on experience working with the latest technology on real-world problems. Our students will work side-by-side with industry researchers and University faculty as they seek to answer some of the pressing problems of society. Industry has made it clear that one of their biggest concerns with talent is that students graduate and are not prepared for the complexity of real-world problems , are not prepared to work as a part of a team and have little experience working with the latest technologies. Some of our industry partners have already identified issues on which they want to work on with our faculty and students. Having the facility to conduct this research is crucial to the university's mission and is a significant part of the foundation for creating Florida Polytechnic University.

CIP-3 SHORT-TERM PROJECT EXPLANATION
CIP-3, A – NARRATIVE DESCRIPTION

AGENCY Florida Polytechnic University
BUDGET ENTITY SUS
PROJECT TITLE Student Achievement Center

AGENCY PRIORITY 2
DATE BLDG PROGRAM APPROVED 06.02.2016

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

Current facilities on the campus of Florida Polytechnic University are sufficient for beginning operations. However, facilities needs based on enrollment growth projections and the level of student demand for admittance to the university show that we must begin planning in 2015-16 for a Student Achievement Center. This facility will serve as the key component in an essential series of initiatives to ensure that students succeed in their studies at the University. The Student Achievement Center will house an honors college, industry job center, international liaison office, a faculty and industry mentorship program and tutoring programs. Additionally, this facility will house programs that provide support for the psychological and social well-being of students, many of whom will be away from home from the first time.

Retention and graduation rates in engineering and math based majors are historically around 50% in the first two years. With retention rates this low, Florida has little hope of graduating enough STEM talent to meet industry demand and help Florida become a national and international leader in those fields. Studies have shown that higher levels of support, both academic and personal, dramatically increase the retention and graduation rates of students in STEM fields. Every student will have 24/7 access to programs developed to increased their chances of graduating with a degree.

The State of Florida, along with Cities and Counties have invested much taxpayer money in building an economy that has high-tech industries as the fourth major component of its economy. Companies in those industries have made it clear that they are looking for more graduates in STEM fields and graduates better prepared to succeed once they are hired. The need for higher retention rates that lead to a greater number of STEM graduates was highlighted in three critical reports. The Florida Chamber of Commerce identified “Six Pillars” that are essential to a robust economy in the state with talent being one of them. The report states that “Florida faces an emerging talent gap — a crisis in human capital that represents a vast and growing unmet need for a highly skilled and educated workforce”. The Florida Chamber Foundation authored “Cornerstone” and “Cornerstone Revisited” which also highlight the need for additional STEM talent.

Without this Student Achievement Center, the intended impact of Florida Polytechnic will not be what is needed and expected. The University continues to work with high-tech industries to develop and implement programs that will make those industries successful in Florida. Those partnerships are a cornerstone of the University’s development and the Student Achievement Center is a critical part of that model.

STATISTICAL JUSTIFICATION

The Statistical Justification portion of the CIP-3 is not required this year.

STATE UNIVERSITY SYSTEM
CIP-3, SHORT-TERM PROJECT EXPLANATION

GEOGRAPHIC LOCATION: **Florida Polytechnic University - Lakeland FL**

COUNTY: **Polk**

PROJECT BR No. **1209**

CIP-3, B - PROJECT DESCRIPTION **Student Achievement Center**

Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date
Patient Care	2,500	1.4	3,500	325	1,137,500		
Office Computer	5,000	1.4	7,000	331	2,317,000		
Audit/Exhibit	32,000	1.4	44,800	329	14,739,200		
Study	1200	1.4	1,680	298	500,640		
Campus Support	286	1.4	400	282	112,913		
Totals	40,986		57,380		18,807,253		

*Apply Unit Cost to total GSF based on primary space type

Remodeling/Renovation

Total Construction - New & Rem./Renov. 18,807,253

Space Detail for Remodeling Projects

BEFORE Space Type	BEFORE Net Area (NASF)	AFTER Space Type	AFTER Net Area (NASF)
Total	0	Total	0

CIP-3, C - SCHEDULE OF PROJECT COMPONENTS

1. BASIC CONSTRUCTION COSTS	Funded to Date	Year 1	Year 2	Year 3	Year 4	Year 5	Funded & In CIP
a.Construction Cost (from above)		0	4,137,600	13,541,220	1,128,433		$ 18,807,253
Add'l/Extraordinary Const. Costs							
b.Environmental Impacts/Mitigation							$ -
c.Site Preparation			25,000				$ 25,000
d.Landscape/Irrigaiton					12,500		$ 12,500
e.Plaza/Walks					37,500		$ 37,500
f.Roadway Improvements							$ -
g.Parking ___ spaces			500,000				$ 500,000
h.Telecommunication			60,000				$ 60,000
i.Electrical Service			87,500				$ 87,500
j.Water Distribution			80,000				$ 80,000
k.Sanitary Sewer System			80,000				$ 80,000
l.Chilled Water System			110,500				$ 110,500
m.Storm Water System			75,000				$ 75,000
n.Energy Efficient Equipment							$ -
Total Construction Costs	0	0	5,155,600	13,541,220	1,178,433	0	$ 19,875,253
2. OTHER PROJECT COSTS							
a.Land/existing facility acquisition							$ -
b.Professional Fees			1,100,000				$ 1,100,000
c.Fire Marshall Fees			3,625				$ 3,625
d.Inspection Services			3,000	30,000			$ 33,000
e.Insurance Consultant			9,500				$ 9,500
f.Surveys & Tests			5,000	15,000			$ 20,000
g.Permit/Impact/Environmental Fees			4,350				$ 4,350
h.Artwork					14,500		$ 14,500
i.Moveable Furnishings & Equipment					1,000,000		$ 1,000,000
j.Project Contingency					435,000		$ 435,000
Total - Other Project Costs	0	0	1,125,475	45,000	1,449,500	0	$ 2,619,975
ALL COSTS 1+2	0	0	6,281,075	13,586,220	2,627,933	0	$ 22,495,228

ESTIMATED COSTS

Appropriations to Date Source	Fiscal Year	Amount	Project Costs Beyond CIP Period Source	Fiscal Year	Amount	Total Project In CIP & Beyond
TOTAL		0	TOTAL		0	22,495,228

CIP-3

Higher Educational Facilities
Return on Investment – Florida Polytechnic University

This is a tool developed by a collaborative group of stakeholders designed to facilitate the identification of return on investment metrics for higher education facilities. Check any box(es) that apply, provide a quantitative explanation, and identify the term or years in which ROI information is provided.

Institution: Florida Polytechnic University
Project: Student Achievement Center
Total Project Cost: $ 36,194,320
Previous Funding (State): $ 0
University Contribution: $ 0
Current Request: $ 36,194,320
STEM (Yes or No): Yes
Contact Person (Name, Position, Office and Cell Phone No., Email):
Mark Mroczkowski, CFO 836.874.8408 407.580.5317 MMroczkowski@FL Poly.org

Check any box(es) that apply and provide a quantitative explanation. Identify the term or years in which ROI information is projected.

1. **X** Number of Additional Degrees and Certificates Produced and How Those Degrees are Meeting the Needs of our State (Job Openings, Average Wages of those Job Openings, etc)

   Explanation:

The number of students attending Florida Polytechnic University will increase as the university develops. This will lead to more students graduating with degrees in high-tech fields. These graduates will earn salaries higher than average wages, thus helping to increase the economic health of the State of Florida.

2. **X** Number of Additional Students Served and the Benefits/Efficiencies Created (increase graduation rate, alleviate waitlist, increase academic support, etc.)

   Explanation:

The SAC will provide student services space and instructional support, which gives all students opportunities beyond the limited opportunities currently available, to engage in learning and study activity in the Innovation, Science and Technology (IST) building. We anticipate that additional students will get enhanced academic experience as a result of building the Student Achievement Center (SAC). The SAC will attract major private sector companies looking to take advantage of the university's student assembly spaces, and to schedule weekend training opportunities in the auditorium and meeting spaces. While the number is undetermined at this time, Florida Polytechnic University currently has limited space in which to collaborate on tutoring, student engagement with support staff, and direct contact with registrar, student health, counseling, bursar, and financial aid.

3. ☐ Amount of Additional Research Funding to be Obtained; Patents Awarded

Explanation:

We anticipate an additional $20 M in research funding and 5-10 patents in the short term. Already, we have freshmen students who are being assisted with filing provisional patents. The academic support is in the SAC.

4. **X** Project is in an Area of Strategic Emphasis as Determined by the Board of Governors' Gap Analysis or the Department of Economic Opportunity's National Occupational Forecast

Explanation:

Florida Polytechnic University is a 100% STEM University so all degree programs address Areas of Strategic Emphasis. Students in the programs engage in both research and academics … a major focus of the institution.

5. ☐ Improves the Ranking of a Preeminent Program or Improves on a Performance Funding Model Metric

Explanation:

Florida Polytechnic University began educating students in 2014. Therefore there has been not enough time to generate results or data to serve as the basis for any of its programs to be classified as preeminent or be included in the state's Performance Funding Model.

6. ☐ Increase Business Partnerships Which Will Lead to Guaranteed Internships and Jobs for Students

Explanation:

The SAC will help with retention of students for our industry partners. Therefore, we expect that many of the additional partners will also provide internships for students.

7. **X** Project Improves the Use, either Operationally or Academically, of Existing Space

Explanation:

Currently, we are occupying academic office space for collaboration rooms and occupying temporary for student support, which creates two negative outcomes. First, the conversion of the space forces use of the Polk State College office space. Second, the temporary office spaces imply lack of concern for student services. Therefore, the SAC will provide appropriate space for both student services and staff offices, and it will free up space in the IST for faculty and academic support. It increases the number of students that can be served or counseled in those high-tech fields important to Florida's development as a leader in STEM education. The service conducted will lead to academic success for students.

8. ☐ Contribution of Local Funds Through Matching Grants, Property Donations, etc.

Explanation:

Initial $5M was donated for student wellness and success. A portion of the money was expended for room in Housing 1 – a public, private partnership. The remainder of the monies and new funds will help supplement the project.

9. ☐ Reduces Future Deferred Maintenance Cost and Extends the Life of the Facility by Bringing the Project up to Existing Standards (cost-benefit analysis of renovation or new facility vs. maintenance)

Explanation:

Not applicable. The first phase of the campus was completed in 2014.

Other Pertinent Information not included above:

The State of Florida has invested heavily in creating an economic future as a leader of high-tech. Florida Polytechnic University's focus is applied research in real-world issues of high importance to its citizens. Success of the students is paramount to retention and the university mission of education. The University is at the forefront of an emerging trend among STEM institutions to supply the expertise and emerging opportunities that are vital to high-tech companies. Florida Polytechnic research will be less curiosity driven and more focused on solving real-world problems.

Based on current enrollment projections and very modest projections for student and faculty growth, the expectation is that we must begin developing collaborative methods for student success and support for the students. The students are expected to work with the faculty and industry partners on real world problems, which can help them grow Florida's economy. The students must have sufficient space and access to technology, which high-tech industries demand of the student partners.

Space is needed to meet the demand for hosting industry groups to gather for conferences and training, as well as national and international meetings that bring money from around the world to Florida. The intellectual talent will be available to partners in Florida, leading to an increased likelihood that solutions to problems will be generated by the students.

A significant amount of the interest shown by students in attending Florida Polytechnic University is the fact that they will get hands-on experience working with the latest technology on real-world problems. Our students will work side-by-side with industry partners and University faculty as they seek to answer some of the pressing problems of society. Industry has made it clear that one of their biggest concerns with talent is that students graduate and are not prepared for the complexity of real-world problems , are not prepared to work as a part of a team and have little experience working with the latest technologies. Some of our industry partners have already identified issues on which they want to work on with our faculty and students. Having the facility to support student success is crucial to the university's mission and is a significant part of the foundation for creating Florida Polytechnic University.

CIP-3 SHORT-TERM PROJECT EXPLANATION
CIP-3, A – NARRATIVE DESCRIPTION

AGENCY Florida Polytechnic University
BUDGET ENTITY SUS
PROJECT TITLE Faculty Staff Office Building

AGENCY PRIORITY 3
DATE BLDG PROGRAM APPROVED 06.02.2016

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

The Faculty/Staff Office Building will house administrative staff and faculty offices. It is a component of the original 2005 Master Plan for the University. Currently, University personnel are housed on the main campus in the Innovation, Science & Technology Building, Technology Admissions Center and the Wellness Center Phase 1. Personnel are also being housed in the Lakeland Technology Building on the campus of Polk State College in Lakeland. The statute creating Florida Polytechnic University requires that Florida Polytechnic turn over space on the Polk State campus to the College once space becomes available on the campus of Florida Polytechnic University. Growth in enrollment at the Polk State College campus in Lakeland makes their need for the space currently being occupied by Florida Polytechnic critical to the ability of Polk State College to meet the academic demands of their students.

As enrollment increases, the Faculty/Staff Building will house student services (Registrar, Admissions, Enrollment Services, Financial Aid, meeting spaces and Administrative Offices (President, CFO, etc.). Space in the Wellness Center Phase 1, which currently houses many of these services, will be used to expand the food service operation to feed students, faculty and visitors as the enrollment grows. Current projections show that our current facilities will exceed capacity within three years.

The Innovation, Science &Technology Building was designed and built to prioritize Classroom and Laboratory learning as well as the beginning of the University's research portfolio. Consequently, there is very limited meeting space and office space. STEM organizations and industry partners have already approached the University about hosting scientific meetings and conferences. The construction of a Faculty/Staff Office Building will free up space in other campus facilities for such endeavors.

One of the University's primary objectives is to partner with industry in teaching and research. This facility supports our ability to so do.

STATISTICAL JUSTIFICATION

The Statistical Justification portion of the CIP-3 is not required this year.

STATE UNIVERSITY SYSTEM
CIP-3, SHORT-TERM PROJECT EXPLANATION

GEOGRAPHIC LOCATION: **Florida Polytechnic University - Lakeland FL**

COUNTY: **Polk**

PROJECT BR No. **1208**

CIP-3, B - PROJECT DESCRIPTION **Faculty/Staff Office Building**

Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date
Office Computer	30,000	1.4	42,000	331	13902000		
Audit/Exhibit	4,000	1,4	5,600	329	1842400		
Campus Support	4,786	1,4	6,700	282	1889400		
Totals	38,786		54,300		17,633,800		

*Apply Unit Cost to total GSF based on primary space type

Remodeling/Renovation

Total Construction - New & Rem./Renov.				17,633,800				

Space Detail for Remodeling Projects

BEFORE		AFTER	
Space Type	Net Area (NASF)	Space Type	Net Area (NASF)
Total	0	Total	0

CIP-3, C - SCHEDULE OF PROJECT COMPONENTS

1. BASIC CONSTRUCTION COSTS	Funded to Date	Year 1	Year 2	Year 3	Year 4	Year 5	Funded & In CIP
				ESTIMATED COSTS			
a.Construction Cost (from above)				2,750,000	11,293,800	3,590,000	$ 17,633,800
Add'l/Extraordinary Const. Costs							
b.Environmental Impacts/Mitigation							$ -
c.Site Preparation				25,000			$ 25,000
d.Landscape/Irrigaiton				12,500			$ 12,500
e.Plaza/Walks				37,500			$ 37,500
f.Roadway Improvements							$ -
g.Parking ___ spaces				500,000			$ 500,000
h.Telecommunication				60,000			$ 60,000
i.Electrical Service				87,500			$ 87,500
j.Water Distribution				85,000			$ 85,000
k.Sanitary Sewer System				87,500			$ 87,500
l.Chilled Water System				110,500			$ 110,500
m.Storm Water System				75,000			$ 75,000
n.Energy Efficient Equipment							$ -
Total Construction Costs	0	0	0	3,830,500	11,293,800	3,590,000	$ 18,714,300
2. OTHER PROJECT COSTS							
a.Land/existing facility acquisition							$ -
b.Professional Fees				1,000,000	546,347		$ 1,546,347
c.Fire Marshall Fees				3,625			$ 3,625
d.Inspection Services					25,000		$ 25,000
e.Insurance Consultant				9,500			$ 9,500
f.Surveys & Tests				5,000	20,000		$ 25,000
g.Permit/Impact/Environmental Fees				4,350			$ 4,350
h.Artwork						14,500	$ 14,500
i.Moveable Furnishings & Equipment						1,000,000	$ 1,000,000
j.Project Contingency						435,000	$ 435,000
Total - Other Project Costs	0	0	0	1022475	591347	1449500	$ 3,063,322
ALL COSTS 1+2	0	0	0	4,852,975	11,885,147	5,039,500	$ 21,777,622

Appropriations to Date Source	Fiscal Year	Amount	Project Costs Beyond CIP Period Source	Fiscal Year	Amount	Total Project In CIP & Beyond
TOTAL		0	TOTAL		0	21,777,622

CIP-3

Higher Educational Facilities
Return on Investment – Florida Polytechnic University

This is a tool developed by a collaborative group of stakeholders designed to facilitate the identification of return on investment metrics for higher education facilities. Check any box(es) that apply, provide a quantitative explanation, and identify the term or years in which ROI information is provided.

Institution: Florida Polytechnic University
Project: Faculty Staff Office Building
Total Project Cost: $ 21,777,622
Previous Funding (State): $ 0
University Contribution: $ 0
Current Request: $ 21,777,622
STEM (Yes or No): Yes
Contact Person (Name, Position, Office and Cell Phone No., Email):
Mark Mroczkowski, CFO 836.874.8408 407.580.5317 MMroczkowski@FL Poly.org

Check any box(es) that apply and provide a quantitative explanation. Identify the term or years in which ROI information is projected.

1. **X** Number of Additional Degrees and Certificates Produced and How Those Degrees are Meeting the Needs of our State (Job Openings, Average Wages of those Job Openings, etc)

   Explanation:

The number of students attending Florida Polytechnic University will increase to 2,300 as the university develops, and more faculty are hired into the new programs. This will lead to more students graduating with degrees in high-tech fields, thus helping to increase the economic health of the State of Florida.

2. **X** Number of Additional Students Served and the Benefits/Efficiencies Created (increase graduation rate, alleviate waitlist, increase academic support, etc.)

   Explanation:

The Faculty Staff Office Building and training facilities will provide space for more faculty which giving students more opportunities for curriculum. We anticipate that additional students will get new experiences in emerging technologies, as a result of building the Faculty Staff Office Building (FSO). The training area in the building will attract major private sector research companies looking to take advantage of the university's graduating students.

3. **X** Amount of Additional Research Funding to be Obtained; Patents Awarded

   Explanation:

Coupled with the Applied Research Center the Faculty Staff Office Building can help provide the additional $20 M in research funding and the 5-10 patents in the short term.

Appendix 1 of 3

4. **X** Project is in an Area of Strategic Emphasis as Determined by the Board of Governors' Gap Analysis or the Department of Economic Opportunity's National Occupational Forecast

   Explanation:

Florida Polytechnic University is a 100% STEM University so all degree programs address Areas of Strategic Emphasis. Students and faculty in those programs engage in "applied research" which is a major focus of the institution. Staff and faculty sup[port only leads to improved programs in STEM programs.

5. ☐ Improves the Ranking of a Preeminent Program or Improves on a Performance Funding Model Metric

   Explanation:

Florida Polytechnic University began educating students in the Fall of 2014. Therefore there has been not enough time to generate results or data to serve as the basis for any of its programs to be classified as preeminent or be included in the state's Performance Funding Model.

6. **X** Increase Business Partnerships Which Will Lead to Guaranteed Internships and Jobs for Students

   Explanation:

The capacity of the university to collaborate with more industry partners will lead to internships and jobs for its students. The FSO will help with recruiting additional faculty and partners. Many of the more than 100 partners have already expressed their interest in providing internships for Florida Polytechnic University students. Expanded faculty can help mentor those students.

7. **X** Project Improves the Use, either Operationally or Academically, of Existing Space

   Explanation:

Currently, we are converting office space to tutoring space, which creates a negative outcome for faculty and staff. The converted classroom space is not ideal for use as tutoring space. Therefore, the FSO training space will provide appropriate space for student and staff instruction assistance.

8. **X** Contribution of Local Funds Through Matching Grants, Property Donations, etc.

   Explanation: $5M has been donated to the project through private donations.

9. ☐ Reduces Future Deferred Maintenance Cost and Extends the Life of the Facility by Bringing the Project up to Existing Standards (cost-benefit analysis of renovation or new facility vs. maintenance)

   Explanation:

Not applicable. The first phase of the campus was completed in 2014, with no significant additions since that time, other than P3 Housing.

Other Pertinent Information not included above:

The State of Florida has invested heavily in creating an economic future as a leader of high-tech. Florida Polytechnic University's focus is applied research of real-world issues of high importance to its citizens. The University is at the forefront of an emerging trend among STEM institutions to supply the expertise and collaborative Faculty mentoring opportunities that are vital to high-tech companies. Florida Polytechnic outcomes will be less curiosity driven and more focused on solving real-world problems.

Based on current enrollment projections and very modest projections for faculty and industry partnered research, the expectation is that we must begin developing new research capacity now. As of June 2016, 100+ companies have signed on to partner with the University. The partners are expecting to work with our faculty and students on problems that can help them grow Florida's economy. These partners and more to come, along with our faculty and students must have sufficient mentoring and office space, with access to technology which high-tech industries demand of partners.

Space is also needed to meet the demand for hosting industry research groups as well as national and international meetings that bring money from around the world to Florida. The FSO will provide for much needed appropriate faculty and staff office support.

A significant amount of the interest shown by students in attending Florida Polytechnic University is the fact that they will get hands-on experience working with the latest technology on real-world problems. Our students will work side-by-side with industry partners and University faculty mentors, as they seek to answer some of the pressing problems of society. Industry has made it clear that one of their biggest concerns with talent is that students graduate and are not prepared for the complexity of real-world problems , are not prepared to work as a part of a team, having little experience working with the latest technologies. Some of our industry partners have already identified issues on which they want to work on with our faculty and students. Having the facility, to house faculty and staff, and provide training areas, is crucial to the university's mission and is a significant part of the foundation for creating Florida Polytechnic University.

STATE UNIVERSITY SYSTEM
Fixed Capital Outlay Projects Requiring Board of Governors Approval
to be Constructed, Acquired and Financed by a University or
a University Direct Support Organization with Approved Debt
BOB-1

Florida Polytechnic University

Univ.	Project Title	GSF	Brief Description of Project	Project Location	Project Amount*	Funding Source	Estimated Month Of Board Approval Request	Estimated Annual Amount For Operational & Maintenance Costs Amount *	Source
1- FPU	Parking Structure 1	156,000	600-Car Parking Structure 1	Lakeland	$11,099,800	DSO	06.03.2015	$90,000	Bond Funds
2- FPU	Parking Structure 2	149,500	600-Car Parking Structure 2	Lakeland	$10,061,750	DSO	06.03.2015	$90,000	Bond Funds
3- FPU	Res Hall 3	134,400	350-bed Residential Housing	Lakeland	$21,948,518	DSO	06.03.2015	$180,000	Bond Funds
4- FPU	Res Hall 4	134,400	350-bed Residential Housing	Lakeland	$21,948,518	DSO	06.03.2015	$180,000	Bond Funds
Subtotal					$65,058,586			$540,000	
Courtelis Matching Fund									
	Private Contribution	115,889	IST Buiding & Site Infrastructure	Lakeland	$10,634,192	CFDC	10.24.12 *	$315,000	PO+M & Carry Forward
	Private Contribution	39,955	Wellness Center	Lakeland	$3,500,000	LFDC	10.24.12 *	$130,000	PO+M & Auxilliary
Subtotal					$14,134,192			$445,000 *	

* Transferred from USFP

@BCL@6006BB5D

CIP-3 SHORT-TERM PROJECT EXPLANATION
CIP-3, A – NARRATIVE DESCRIPTION

AGENCY Florida Polytechnic University
BUDGET ENTITY SUS
PROJECT TITLE Parking Structure 1 & 2

AGENCY PRIORITY 5
DATE BLDG PROGRAM APPROVED 06.02.2016

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

The Florida Polytechnic university, while within the City of Lakeland, is a remote campus and will require parking spaces for approximately 2,400 vehicles within the ten-year planning period. The need for a parking garage structure is paramount to preserving land for future development on the campus. Approximately 1,200 parking spaces would be provided as surface parking spaces, and the need for the additional 1,200 spaces would be met by the project in two phases of 600 each, with shared ramps. The program requires the university to also investigate adjacent alternate use spaces in order to maximize infrastructure investment.

To support the development of the university transportation alternates have been studied. The need for parking structures is documented in a study prepared for the university by Tim Haas Associates, and will be included in the Master Plan Update.

STATISTICAL JUSTIFICATION

The Statistical Justification portion of the CIP-3 is not required this year.

STATE UNIVERSITY SYSTEM
CIP-3, SHORT-TERM PROJECT EXPLANATION

GEOGRAPHIC LOCATION: Florida Polytechnic University - Lakeland FL

COUNTY: Polk

PROJECT BR No. 1210

CIP-3, B - PROJECT DESCRIPTION 600-Car Parking Structure 1

Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date
Parking	120,000	1.3	156,000	60	9,360,000		
			0		0		
			0		0		
			0		0		
			0		0		
Totals	120,000		156,000		9,360,000		

*Apply Unit Cost to total GSF based on primary space type

Remodeling/Renovation

Total Construction - New & Rem./Renov. 9,360,000

Space Detail for Remodeling Projects

BEFORE Space Type	BEFORE Net Area (NASF)	AFTER Space Type	AFTER Net Area (NASF)
Total	0	Total	0

CIP-3, C - SCHEDULE OF PROJECT COMPONENTS ESTIMATED COSTS

1. BASIC CONSTRUCTION COSTS	Funded to Date	Year 1	Year 2	Year 3	Year 4	Year 5	Funded & In CIP
a.Construction Cost (from above)			$9,360,000				$9,360,000
Add'l/Extraordinary Const. Costs							
b.Environmental Impacts/Mitigation							$0
c.Site Preparation			$26,000				$26,000
d.Landscape/Irrigaiton			$12,000				$12,000
e.Plaza/Walks			$25,000				$25,000
f.Roadway Improvements			$14,000				$14,000
g.Parking 600 spaces							$0
h.Telecommunication			$12,000				$12,000
i.Electrical Service			$55,000				$55,000
j.Water Distribution			$20,000				$20,000
k.Sanitary Sewer System							$0
l.Chilled Water System							$0
m.Storm Water System			$85,000				$85,000
n.Energy Efficient Equipment							$0
Total Construction Costs	$0	$0	$9,609,000	$0	$0	$0	$9,609,000
2. OTHER PROJECT COSTS							
a.Land/existing facility acquisition							$0
b.Professional Fees			$780,000				$780,000
c.Fire Marshall Fees			$3,150				$3,150
d.Inspection Services			$33,400				$33,400
e.Insurance Consultant			$9,900				$9,900
f.Surveys & Tests			$21,200				$21,200
g.Permit/Impact/Environmental Fees			$4,650				$4,650
h.Artwork							$0
i.Moveable Furnishings & Equipment				$170,500			$170,500
j.Project Contingency				$468,000			$468,000
Total - Other Project Costs	$0	$0	$852,300	$638,500	$0	$0	$1,490,800
ALL COSTS 1+2	$0	$0	$10,461,300	$638,500	$0	$0	$11,099,800

Appropriations to Date Source	Fiscal Year	Amount	Project Costs Beyond CIP Period Source	Fiscal Year	Amount	Total Project In CIP & Beyond
TOTAL		0	TOTAL		0	$11,099,800

CIP-3

STATE UNIVERSITY SYSTEM
CIP-3, SHORT-TERM PROJECT EXPLANATION

GEOGRAPHIC LOCATION: Florida Polytechnic University - Lakeland FL

COUNTY: Polk

PROJECT BR No. 1210

CIP-3, B - PROJECT DESCRIPTION 600-Car Parking Structure 2

Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date
Parking	115,000	1.3	149,500	60	8,970,000		
			0		0		
			0		0		
			0		0		
			0		0		
Totals	115,000		149,500		8,970,000		

*Apply Unit Cost to total GSF based on primary space type

Remodeling/Renovation

Total Construction - New & Rem./Renov.			8,970,000	

Space Detail for Remodeling Projects

BEFORE		AFTER	
Space Type	Net Area (NASF)	Space Type	Net Area (NASF)
Total	0	Total	0

CIP-3, C - SCHEDULE OF PROJECT COMPONENTS

1. BASIC CONSTRUCTION COSTS	Funded to Date	Year 1	Year 2	Year 3	Year 4	Year 5	Funded & In CIP
				ESTIMATED COSTS			
a.Construction Cost (from above)				$8,970,000			$8,970,000
Add'l/Extraordinary Const. Costs							
b.Environmental Impacts/Mitigation							$0
c.Site Preparation				$24,000			$24,000
d.Landscape/Irrigaiton				$11,000			$11,000
e.Plaza/Walks				$20,000			$20,000
f.Roadway Improvements				$10,000			$10,000
g.Parking 600 spaces							$0
h.Telecommunication				$8,000			$8,000
i.Electrical Service				$40,000			$40,000
j.Water Distribution				$5,000			$5,000
k.Sanitary Sewer System							$0
l.Chilled Water System							$0
m.Storm Water System				$65,000			$65,000
n.Energy Efficient Equipment							$0
Total Construction Costs	$0	$0	$0	$9,153,000	$0	$0	$9,153,000
2. OTHER PROJECT COSTS							
a.Land/existing facility acquisition							$0
b.Professional Fees				$410,000			$410,000
c.Fire Marshall Fees				$2,900			$2,900
d.Inspection Services				$33,400			$33,400
e.Insurance Consultant				$9,000			$9,000
f.Surveys & Tests				$10,000			$10,000
g.Permit/Impact/Environmental Fees				$4,650			$4,650
h.Artwork							$0
i.Moveable Furnishings & Equipment					$80,000		$80,000
j.Project Contingency					$358,800		$358,800
Total - Other Project Costs	$0	$0	$0	$469,950	$438,800	$0	$908,750
ALL COSTS 1+2	$0	$0	$0	$9,622,950	$438,800	$0	$10,061,750

Appropriations to Date Source	Fiscal Year	Amount	Project Costs Beyond CIP Period Source	Fiscal Year	Amount	Total Project In CIP & Beyond
TOTAL		0	TOTAL		0	$10,061,750

CIP-3

CIP-3 SHORT-TERM PROJECT EXPLANATION
CIP-3, A – NARRATIVE DESCRIPTION

AGENCY Florida Polytechnic University
BUDGET ENTITY SUS
PROJECT TITLE Residence Hall 3

AGENCY PRIORITY 6
DATE BLDG PROGRAM APPROVED 06.02.2016

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

Dr. Ray Gasser, University of Idaho reported in his 2008 study that "Researchers consistently have found that living on campus, and more specifically living in residence halls, positively impacts students in a variety of ways including higher GPAs, higher retention rates, and higher matriculation rates (Anderson, 1981; Astin, 1977, 1982; Blimling, 1993, 1999; Nicpon, Huser, Blanks, Sollenberger, Befort, & Kurpius, 2006; Pascarella and Chapman, 1983; Thompson, Samiratedu, & Rafter, 1993; Tinto, 1987; and Velez, 1985)." Florida Polytechnic University is implementing many initiatives to ensure student success and on-campus housing is a significant component.

Of the more than 3,000 applicants for 500 slots in the 2014-15 inaugural class, approximately 66% of them preferred to live on campus. Enrollment is expected to grow in the 2016-17 academic year to over 1,431 students making the current, 219 beds in Housing 1 and 529 beds in Housing 2, numbers on campus woefully inadequate to meet demand. The inability to provide more housing will negatively impact retention rates at the university. In many instances, students who do not complete their degree leave with debt and are at a greater risk of defaulting on student loans.

Florida Polytechnic plans to build a third residence hall that has 350 beds and planned spaces for learning and living. This will directly support the university's mission to graduate students in sufficient numbers who are needed by high-tech industries in Florida. Those industries need well-educated students if they are to grow and provide well-paying jobs thereby having a positive impact on the state's economic status. In addition, higher retention rates at Florida Polytechnic University will provide more students to work with high-tech companies to solve problems important to Florida's future.

STATISTICAL JUSTIFICATION

The Statistical Justification portion of the CIP-3 is not required this year.

STATE UNIVERSITY SYSTEM
CIP-3, SHORT-TERM PROJECT EXPLANATION

GEOGRAPHIC LOCATION: Florida Polytechnic University - Lakeland FL

COUNTY: Polk

PROJECT BR No.: **1211**

CIP-3, B - PROJECT DESCRIPTION Residential Housing 3 - DSO Bonds

Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date
Residence Hall	90,000	1.4	126,000	130	$16,380,000		
350 bed Unit			0		$0		
Living Learning	6,000	1.4	8,400	130	$1,092,000		
			0		$0		
			0		$0		
Totals	96000		134,400		$17,472,000		

*Apply Unit Cost to total GSF based on primary space type

Space Detail for Remodeling Projects

BEFORE		AFTER	
Space Type	Net Area (NASF)	Space Type	Net Area (NASF)

Remodeling/Renovation

Total Construction - New & Rem./Renov.				$17,472,000	Total	0	Total 0

CIP-3, C - SCHEDULE OF PROJECT COMPONENTS ESTIMATED COSTS

1. BASIC CONSTRUCTION COSTS	Funded to Date	Year 1	Year 2	Year 3	Year 4	Year 5	Funded & In CIP
a.Construction Cost (from above)				$17,472,000			$17,472,000
Add'l/Extraordinary Const. Costs							
b.Environmental Impacts/Mitigation							$0
c.Site Preparation				$25,000			$25,000
d.Landscape/Irrigaiton				$12,500			$12,500
e.Plaza/Walks				$20,000			$20,000
f.Roadway Improvements							$0
g.Parking 260 spaces				$1,222,000			$1,222,000
h.Telecommunication				$60,000			$60,000
i.Electrical Service				$87,500			$87,500
j.Water Distribution				$80,000			$80,000
k.Sanitary Sewer System				$80,000			$80,000
l.Chilled Water System				$115,000			$115,000
m.Storm Water System				$75,000			$75,000
n.Energy Efficient Equipment							$0
Total Construction Costs	$0	$0	$0	$19,249,000	$0	$0	$19,249,000
2. OTHER PROJECT COSTS							
a.Land/existing facility acquisition							$0
b.Professional Fees				$1,572,500			$1,572,500
c.Fire Marshall Fees				$4,368			$4,368
d.Inspection Services				$40,000			$40,000
e.Insurance Consultant				$13,300			$13,300
f.Surveys & Tests				$15,000			$15,000
g.Permit/Impact/Environmental Fees				$4,350			$4,350
h.Artwork							$0
i.Moveable Furnishings & Equipment				$1,050,000			$1,050,000
j.Project Contingency							$0
Total - Other Project Costs	$0	$0	$0	$2,699,518	$0	$0	$2,699,518
ALL COSTS 1+2	$0	$0	$0	$21,948,518	$0	$0	$21,948,518

Appropriations to Date Source	Fiscal Year	Amount	Project Costs Beyond CIP Period Source	Fiscal Year	Amount	Total Project In CIP & Beyond
TOTAL		$0	TOTAL		$0	$21,948,518

CIP-3

CIP-3 SHORT-TERM PROJECT EXPLANATION
CIP-3, A – NARRATIVE DESCRIPTION

AGENCY Florida Polytechnic University
BUDGET ENTITY SUS
PROJECT TITLE Residence Hall 4

AGENCY PRIORITY 7
DATE BLDG PROGRAM APPROVED 06.02.2016

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

Dr. Ray Gasser, University of Idaho reported in his 2008 study that "Researchers consistently have found that living on campus, and more specifically living in residence halls, positively impacts students in a variety of ways including higher GPAs, higher retention rates, and higher matriculation rates (Anderson, 1981; Astin, 1977, 1982; Blimling, 1993, 1999; Nicpon, Huser, Blanks, Sollenberger, Befort, & Kurpius, 2006; Pascarella and Chapman, 1983; Thompson, Samiratedu, & Rafter, 1993; Tinto, 1987; and Velez, 1985)." Florida Polytechnic University is implementing many initiatives to ensure student success and on-campus housing is a significant component.

Of the more than 3,000 applicants for 500 slots in the 2014-15 inaugural class, approximately 66% of them preferred to live on campus. Enrollment is expected to grow in the 2016-17 academic year to over 1,431 students making the current, 219 beds in Housing 1, 529 beds in Housing 2 and 350 beds in Housing 3, numbers on campus woefully inadequate to meet demand. The inability to provide more housing will negatively impact retention rates at the university. In many instances, students who do not complete their degree leave with debt and are at a greater risk of defaulting on student loans.

Florida Polytechnic plans to build a fourth residence hall that has 350 beds and planned spaces for learning and living. This will directly support the university's mission to graduate students in sufficient numbers who are needed by high-tech industries in Florida. Those industries need well-educated students if they are to grow and provide well-paying jobs thereby having a positive impact on the state's economic status. In addition, higher retention rates at Florida Polytechnic University will provide more students to work with high-tech companies to solve problems important to Florida's future.

STATISTICAL JUSTIFICATION

The Statistical Justification portion of the CIP-3 is not required this year.

STATE UNIVERSITY SYSTEM
CIP-3, SHORT-TERM PROJECT EXPLANATION

GEOGRAPHIC LOCATION: Florida Polytechnic University - Lakeland FL

COUNTY: Polk

PROJECT BR No.: **1212**

CIP-3, B - PROJECT DESCRIPTION Residential Housing 4 - DSO Bonds

Facility/Space Type	Net Area (NASF)	Net to Gross Conversion	Gross Area (GSF)	Unit Cost (Cost/GSF)*	Construction Cost	Assumed Bid Date	Occupancy Date
Residence Hall	90,000	1.4	126,000	130	$16,380,000		
350 bed Unit			0		$0		
Living Learning	6,000	1.4	8,400	130	$1,092,000		
			0		$0		
			0		$0		
Totals	96,000		134,400		$17,472,000		

*Apply Unit Cost to total GSF based on primary space type

Remodeling/Renovation

Total Construction - New & Rem./Renov. $17,472,000

Space Detail for Remodeling Projects

BEFORE Space Type	BEFORE Net Area (NASF)	AFTER Space Type	AFTER Net Area (NASF)
Total	0	Total	0

CIP-3, C - SCHEDULE OF PROJECT COMPONENTS

1. BASIC CONSTRUCTION COSTS	Funded to Date	Year 1	Year 2	Year 3	Year 4	Year 5	Funded & In CIP
					ESTIMATED COSTS		
a.Construction Cost (from above)					$17,472,000		$17,472,000
Add'l/Extraordinary Const. Costs							
b.Environmental Impacts/Mitigation							$0
c.Site Preparation					$25,000		$25,000
d.Landscape/Irrigaiton					$12,500		$12,500
e.Plaza/Walks					$20,000		$20,000
f.Roadway Improvements							$0
g.Parking 260 spaces					$1,222,000		$1,222,000
h.Telecommunication					$60,000		$60,000
i.Electrical Service					$87,500		$87,500
j.Water Distribution					$80,000		$80,000
k.Sanitary Sewer System					$80,000		$80,000
l.Chilled Water System					$115,000		$115,000
m.Storm Water System					$75,000		$75,000
n.Energy Efficient Equipment							$0
Total Construction Costs	$0	$0	$0	$0	$19,249,000	$0	$19,249,000
2. OTHER PROJECT COSTS							
a.Land/existing facility acquisition							$0
b.Professional Fees					$1,572,500		$1,572,500
c.Fire Marshall Fees					$4,368		$4,368
d.Inspection Services					$40,000		$40,000
e.Insurance Consultant					$13,300		$13,300
f.Surveys & Tests					$15,000		$15,000
g.Permit/Impact/Environmental Fees					$4,350		$4,350
h.Artwork							$0
i.Moveable Furnishings & Equipment					$1,050,000		$1,050,000
j.Project Contingency							$0
Total - Other Project Costs	$0	$0	$0	$0	$2,699,518	$0	$2,699,518
ALL COSTS 1+2	$0	$0	$0	$0	$21,948,518	$0	$21,948,518

Appropriations to Date Source	Fiscal Year	Amount	Project Costs Beyond CIP Period Source	Fiscal Year	Amount	Total Project In CIP & Beyond
TOTAL		$0	TOTAL		$0	$21,948,518

CIP-3

AGENDA ITEM: VII

Florida Polytechnic University
Finance and Facilities Committee
Board of Trustees
June 7, 2017

Subject: Financial Review

Proposed Committee Action

Information only- No action required.

Background Information

Presentation of the quarterly financial review.

Supporting Documentation: Financial analysis of the results of operations and the statement of position as of March 31, 2017

Prepared by: Mark Mroczkowski, CFO and Vice President

Florida Polytechnic University
Condensed Statement of Net Position
Period Ended March 31, 2017

	6/30/2016 Audited	3/31/2017 Actual	Percent Change
ASSETS			
Cash and Cash Equivalents	$ 1,422,220	$ 371,937	-74%
Investments	47,430,908	47,504,537	0%
Accounts Receivable	192,460	607,326	216%
Due From Foundation	1,399,785	5,866,708	319%
Deferrals and Other Assets	4,937,442	5,011,677	2%
Property, Plant & Equipment	150,804,605	149,438,007	-1%
Total Assets	**$ 206,187,420**	**$ 208,800,192**	**1%**
LIABILITIES			
Accounts Payable	2,994,160	1,845,343	-38%
Long-Term Debt	2,652,503	2,012,124	-24%
Net Pension & Compensated Absences	7,874,826	5,502,171	-30%
Deferrals and Other Liabilities	4,824,512	6,707,775	39%
Total Liabilities	**18,346,001**	**16,067,413**	**-12%**
NET POSITION			
Net Invested in Capital Assets	147,771,750	147,425,793	0%
Unrestricted	40,069,669	45,306,986	13%
Total Net Position	**187,841,419**	**192,732,779**	**3%**
TOTAL LIABILITIES AND NET POSITION	**$ 206,187,420**	**$ 208,800,192**	**1%**

Florida Polytechnic University
Condensed Income Statement
Period Ended March 31, 2017

	6/30/2016	3/31/2017	3/31/2016	Year over Year	%	FY 2017	Budget	%
REVENUES	**Audited**	**Actual**	**Actual**	**Variance**	**Variance**	**Budget**	**Variance**	**Variance**
Tuition and Fees	$ 3,072,660	$ 6,619,568	$ 5,091,777	$ 1,527,791	30%	3,000,000	3,619,568	121%
Grants and Contracts	598,105	52,513	205,326	(152,813)	-74%	375,000	(322,487)	-86%
Auxiliaries	2,495,942	3,444,169	1,594,866	1,849,303	116%	3,339,445	104,724	3%
State Appropriations	34,072,669	27,234,256	25,329,632	1,904,624	8%	27,269,824	(35,568)	0%
Investment and Other Income	2,184,071	1,580,546	1,467,689	112,857	8%	1,635,157	(54,611)	-3%
Total Revenues	**42,423,447**	**38,931,052**	**33,689,290**	**5,241,762**	**16%**	**35,619,426**	**3,311,627**	**9%**
EXPENSES								
Compensation and Benefits	18,811,763	13,272,753	11,949,804	1,322,949	11%	20,989,100	(7,716,346)	-37%
Services and Supplies	17,460,657	13,225,320	9,182,214	4,043,106	44%	13,437,841	(212,521)	-2%
Scholarships and Waivers	2,571,337	4,438,338	5,393,587	(955,249)	-18%	4,500,000	(61,662)	-1%
Depreciation Expense	4,553,877	3,103,281	3,365,191	(261,910)	-8%	3,586,178	(482,897)	-13%
Total Operating Expenses	**43,397,634**	**34,039,692**	**29,890,796**	**4,148,896**	**14%**	**42,513,119**	**(8,473,426)**	**-20%**
Net Income (Loss)	**(974,187)**	**4,891,360**	**3,798,494**	**1,092,866**	**29%**			
Net Position, Beginning of Year	**188,815,606**	**187,841,419**	**188,815,606**					
Net Position, End of Year	**$ 187,841,419**	**$ 192,732,779**	**$ 192,614,100**					

FLORIDA POLYTECHNIC UNIVERSITY
E&G Variance by Cost Center
Nine Months Ended March 31, 2017

	Budget	Actual	Variance	Percent over (under) budget	Comments
Board of Trustees	$18,950	$16,981	($1,969)	-10.4%	
Office Of the President	466,804	348,648	(118,156)	-25.3%	
Academic Affairs Division	11,608,366	9,044,634	(2,563,731)	-22.1%	Primarily due to timing of faculty hiring
FIPR	2,371,563	1,572,187	(799,376)	-33.7%	
Finance & Administration Division	12,424,531	7,866,510	(4,558,020)	-36.7%	Primarily due to 5% statutory reserve
Office of the General Counsel	602,208	509,365	(92,843)	-15.4%	Due to timing of use of outside counsel
Advancement Division	3,467,965	2,989,630	(478,335)	-13.8%	Due to timing of new hires
TOTAL	$30,960,386	$22,347,955	($8,612,431)	-27.8%	

FLORIDA POLYTECHNIC UNIVERSITY
E&G Variance by Cost Center
Nine Months Ended March 31, 2017

Cost Center Hierarchy	Budget	Actual	Variance	Percent over (under) budget	Comments
1023 Finance & Administration	4,061,792	1,022,631.14	(3,039,160.36)	-74.8%	This CC includes 5% statutory reserves
1041 Technology Services	2,615,730	2,382,774.89	(232,955.11)	-8.9%	
1003 Office of the Provost Academic Affairs	2,060,174	976,525.33	(1,083,648.92)	-52.6%	
1027 Special Projects/ERP	2,505,998	1,619,596.61	(886,401.64)	-35.4%	Have not yet started the SIS implementation.
1024 Campus Development	2,281,515	1,830,008.26	(451,506.74)	-19.8%	
1006 General Education	2,006,143	1,972,257.38	(33,885.37)	-1.7%	
1035 Marketing & Communications	1,650,125	1,575,271.96	(74,852.54)	-4.5%	
1005 College of Innovation & Technology	1,770,698	1,513,821.94	(256,875.56)	-14.5%	
1021 Industry Partnerships Entrepreneurship	1,230,000	275,912.78	(954,087.22)	-77.6%	Program did not launch 07/01
1004 College of Engineering	1,037,405	1,078,782.02	41,377.52	4.0%	
1015 Admissions	993,109	1,080,604.65	87,495.90	8.8%	
1037 Government Affairs	922,959	684,008.60	(238,950.40)	-25.9%	
1034 Advancement	685,595	556,218.11	(129,377.14)	-18.9%	Due to timing of new hires
1026 Public Safety & Police	647,918	664,695.35	16,777.10	2.6%	This CC has unbudgeted expenditures relating to staffing & equipment
1033 General Counsel	602,208	509,364.89	(92,843.11)	-15.4%	
1012 Academic Support Services	523,448	522,576.67	(870.83)	-0.2%	
1049 Research	466,575	281,094.73	(185,480.27)	-39.8%	
1002 Office of the President	383,560	331,030.25	(52,529.50)	-13.7%	
1018 Student Affairs	358,752	317,510.09	(41,241.91)	-11.5%	
1032 Human Resources	311,578	346,804.11	35,226.36	11.3%	This CC has unbudgeted expenditures relating to staffing
1007 Labs	299,375	137,111.42	(162,263.83)	-54.2%	Timing of purchasing is somewhat project based and non-routine
1016 Financial Aid	238,169	206,735.80	(31,432.70)	-13.2%	
1036 External Relations	209,286	174,130.85	(35,155.15)	-16.8%	
1010 Institutional Research	205,554	196,864.94	(8,689.06)	-4.2%	
1009 Institutional Effectiveness	170,141	188,067.72	17,926.47	10.5%	Expenses related to SACS higher than expected.
1011 Registrar	128,783	157,817.34	29,034.09	22.5%	Transfer of position salary from AA is pending
1050 Ombudsman	83,244	17,617.85	(65,626.15)	-78.8%	Position vacancy during the reporting period
1022 Grants & Contracts	82,500	95,857.80	13,357.80	16.2%	
1017 International Students	37,541	43,093.82	5,552.57	14.8%	International Travel Expenses, not originally budgeted.
1001 Board of Trustees	18,950	16,980.79	(1,969.46)	-10.4%	
Total	$28,588,823	$20,775,768	-$7,813,055	-27.3%	
1020 FIPR Institute	$2,371,563	$1,572,187	-$799,376	-33.7%	
GRAND-TOTAL	$30,960,386	$22,347,955	-$8,612,431		

FLORIDA POLYTHECNIC UNIVERSITY
E&G YOY BUDGET TO ACTUAL BY SPEND CATEGORY
9 Months Ending March 31, 2017

	FY 2016-17 Budget	FY 2017-17 Actuals	$ (Over)/Under Budget	% (Over)/Under Budget	FY 2015-16 Budget	FY 2015-16 Actuals	$ (Over)/Under Budget	% (Over)/Under Budget	$ YOY Budget Change	% YOY Budget Change	$ YOY Actual Change	% YOY Actual Change
SALARY & BENEFITS												
Salary & Benefits - Regular		12,420,030				9,196,427					3,223,602	35%
Salary & Benefits - OPS		831,779				1,195,168					(363,389)	-30%
Total Salary & Benefits	18,837,086	13,251,808	5,585,277	30%	13,694,282	10,391,595	3,302,687	24%	5,142,803	38%	2,860,213	28%
OPERATING EXPENSES												
Contractual Services		4,193,712				4,317,098					(123,387)	-3%
Advertising		618,802				1,170,768					(551,967)	-47%
Materials & Supplies		777,496				1,001,675					(224,179)	-22%
Repairs & Maintenance		231,854				464,261					(232,407)	-50%
Legal fees		30,867				110,895					(80,027)	-72%
Printing and photocopying		35,716				91,134					(55,418)	-61%
Travel & Trainning Fees		351,243				331,717					19,527	6%
Postage - Shipping		33,634				77,853					(44,219)	-57%
Utilities		397,612				413,464					(15,853)	-4%
Lab Supplies - Equipment		30,849				184,535					(153,686)	-83%
Student scholarships		50,000				54,850					(4,850)	-9%
Institutional membership		36,940				137,294					(100,354)	-73%
Debt Pmt Principal & Interest		380,409				439,750					(59,341)	-13%
Equip/Furniture/Facilities Rentals		221,221				516,740					(295,518)	-57%
Other Expenses		133,604				249,873					(116,268)	-47%
Total Operating Expenses	9,751,738	7,523,960	2,227,778	23%	11,845,088	9,561,907	2,283,182	19%	(2,093,351)	-18%	(2,037,947)	-21%
TOTAL	$ 28,588,823	$ 20,775,768	$ 7,813,055	27%	$ 25,539,371	$ 19,953,502	$ 5,585,869	22%	$ 3,049,453	12%	$ 822,266	4%

Florida Polytechnic University
Carryforward and Unrestricted Funds Report
For the 9 Months Ended March 31, 2017

Carryforward:	
Beginning Balance	$ 13,024,304
Transfers In	6,899,998
Current year uses	(1,802,713)
Ending Balance	$ 18,121,589
Summary of Planned Uses of Carryforward:	
Restricted for ARC	$ 5,000,000
Restricted for Health Informatics	4,084,317
Campus Reclaimed Water	2,000,000
Redundant Potable Water Hookup	300,000
Building Improvement	1,145,000
IT infrastructure	968,000
Reserved for future Campus Infrastructure per State Statute	4,624,272
Total Planned Uses	$ 18,121,589
Unrestricted Funds:	
Cash Inflows	
Capital Contribution	$1,478,920
Foundation Reimbursement for BOG Meeting	738
Tax Refund from IRS	1,666
Interest	353,794
Total	1,835,119
Cash Outflows	
Contractual Services	8,381
Housing	567,000
Materials & Supplies non E&G	6,411
Total	581,792
Increase in Fund Balance	1,253,326
Beginning Balance	7,006,796
Ending Fund Balance	$ 8,260,122

Florida Polytechnic University
Return on SPIA Investments
Month Ended March 31, 2017

Period Beginning Balance	$	49,787,934
Additions		3,204,832
Liquidations		(3,488,229)
Period Ending Balance	$	49,504,537
MTD Average Daily Balance	$	50,592,008
MTD Interest Earned		48,718
MTD Interest Rate		0.0963%
Annualized Interest Rate		1.16%
Composition:		
Carryforward	$	18,121,589
Unrestricted		8,260,122
FIPR		7,898,403
Foundation		6,799,245
Other		8,425,179
Total	$	49,504,537

Florida Polytechnic University
Key Procurement Dept. Projects/Agreements
April - June 2017

Project Description	Vendor	Estimated Fiscal Impact
Workday Student Implementation Partner Data Migration, Integration & Training for WD Student	Contract negotiated and executed with IBM on 5-1-2017	Target Total Project Cost - $4M Over 2 Years. Implementation contract cost negotiated with IBM at $2.6M.
University Dining Services Management. Includes $750k current provider buy out.	Contract negotiated and executed with Compass Group, Chartwells, on 5-26-2017	Chartwells commitment - $5.5M Capital Investment. $12M total commissions, utilities and maintenance contributions over a 10 year contract period of performance.
Design Services Applied Research Center	Evaluation Committee will meet to review (5) finalist presentations on 5-24-2017 and make an Award recommendation. Contract execution anticipated by end of June 2017.	Est. Total cost $3M Design Services for 85,000 Gross Sq. Ft. building.
International Student Recruitment	RFP solicitation issued with (1) respondent chosen by Evaluation Committee. Global University Systems, London, England.	Negotiations in progress with contract execution projected by 6-15-2017. Minimum goal for students is 100 by end of first contract year. FL Poly to pay Global 45% of first year full tuition.

AGENDA ITEM: VIII

Florida Polytechnic University
Finance and Facilities Committee
Board of Trustees
June 7, 2017

Subject: Increase Waiver Authority

Proposed Committee Action

Recommend approval to Increase Waiver Authority to the Board of Trustees.

Background Information

Due to the growth of the University, the need to attract and retain the best students and the admission of the 4th cohort, the University needs to increase its waiver authority from $2.4 million to $4.5 million to meet the needs of its scholarship programs.

Supporting Documentation: Computation of request for increased waiver authority.

Prepared by: Mark Mroczkowski, CFO and Vice President

Florida Polytechnic University
Scholarship Waiver Request for the 17-18 Academic Year
Scholarship Awarded By Cohort 17-18

Scholarships Awarded	Cohort 14-15	Cohort 15-16	Cohort 16-17	Cohort 17-18	Total
Under Grad Students	217	362	438	396	1,413
Average Scholarship	3,200	5,502	3,500	3,500	15,702
Total	694,400	1,991,778	1,533,000	1,386,000	5,605,178
Grad Students	-	5	9	32	46
Average Scholarship	-	349	3,500	3,500	7,349
Total	-	1,745	31,500	112,000	145,245
Total Scholarship Estimate 17-18	$ 694,400	$1,993,523	$1,564,500	$1,498,000	$5,750,423

Waiver Authority Requested

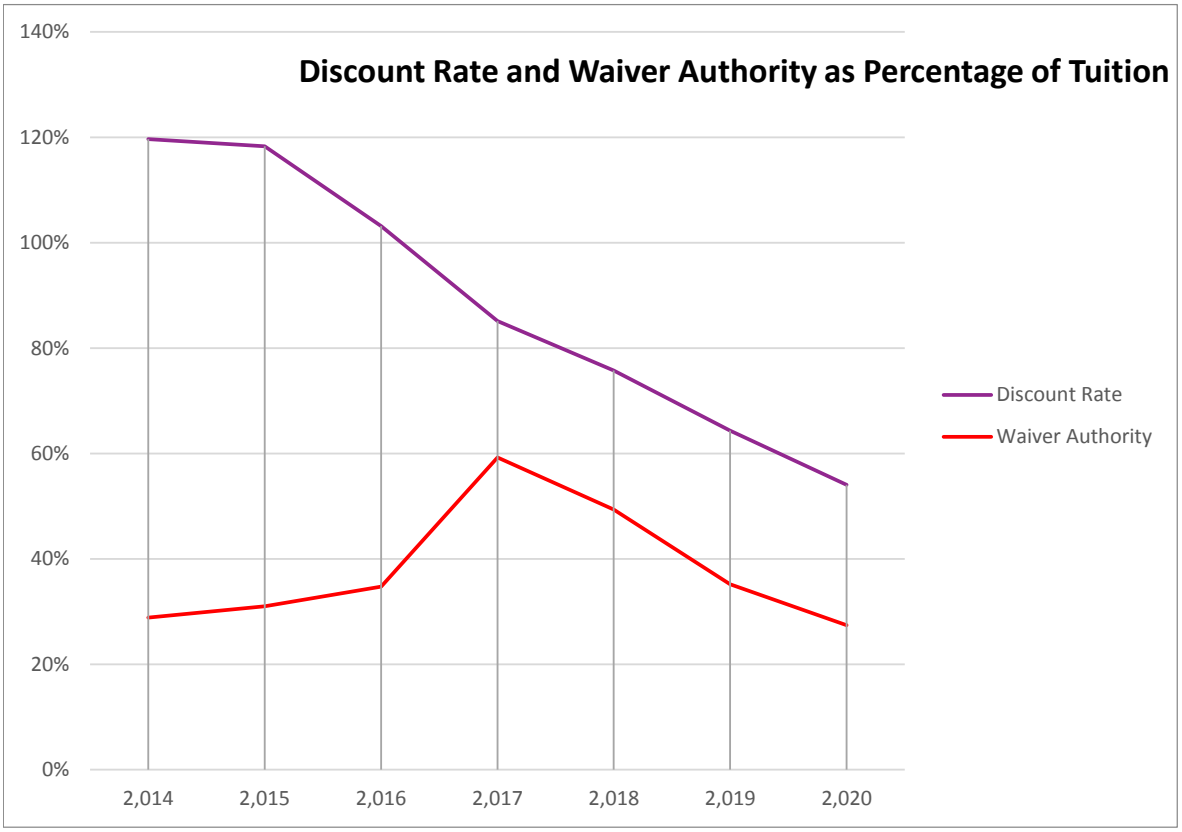
Estimated Scholarships and Other Waivers	
Scholarships 17-18	$5,750,423
Out of State Fee Waivers	715,211
Total	6,465,634
Less estimated Foundation contributions	(2,000,000)
Estimated Waiver Authority Required	$4,465,634
Waiver Authority Requested	**$4,500,000**

Florida Polytechnic University

Forecast Tuition, Waivers & Support, and Discount Rate

For the years beginning July 1:

	2014	2015	2016	2017	2018	2019	2020
New Students	594	522	566	388	388	434	488
Total Headcount	594	979	1377	1419	1358	1407	1342
Tuition & Fees Earned	$ 2,917,766	$ 4,839,398	$6,911,284	$ 7,596,392	$ 7,295,172	$ 6,826,202	$ 7,296,363
Less support and waivers							
Foundation Commitment	2,649,605	4,225,071	4,729,777	1,965,633	1,927,363	1,990,814	1,943,807
Total Waiver Authority	841,402	1,499,595	2,400,000	4,500,000	3,600,000	2,400,000	2,000,000
Total Financial Aid	3,491,006	5,724,667	7,129,777	6,465,633	5,527,363	4,390,814	3,943,807
Potential Net Revenue (T&F Less Waivers)	$ 2,076,364	$ 3,339,802	$4,511,284	$ 3,096,392	$ 3,695,172	$ 4,426,202	$ 5,296,363
% Discount Rate	120%	118%	103%	85%	76%	64%	54%
Tuition	29%	31%	35%	59%	49%	35%	27%



AGENDA ITEM: IX

Florida Polytechnic University
Finance and Facilities Committee
Board of Trustees
June 7, 2017

Subject: 2017-18 Operating and Capital Budget

Proposed Committee Action

Recommend approval of the 2017-18 Operating and Capital Budget to the Board of Trustees.

Background Information

Based upon the 17-18 State legislative appropriation and other estimated revenues, the University presents for approval its 17-18 fiscal year operating and capital budget.

Supporting Documentation: Operating and capital budgets for revenues and expenditures.

Prepared by: Mark Mroczkowski, CFO and Vice President

FLORIDA POLYTECHNIC UNIVERSITY **Revised 6-5-17**

2017-18 BUDGET REQUESTS_"ALL SOURCES"

REF#	COST CENTER TITLE	COST CENTER	2016-17 E&G Budget (A)	2016-17 ALL SOURCES BUDGET (B)	2016-17 Estimated Actual through 6-30-17 (C)	2016-17 VARIANCE (Est Actual vs Budget) D = (C) - (B)		2017-18 Budget Request - ALL Sources (E)	Increase Over Prior Year Budget F = (E) - (B)		FY 2017-18 Proposed BUDGET by Fund Source					COMMENTS
						$	%		$	%	E&G	FIPR	Fees	Auxiliaries	PECO	
1	Board of Trustees	1001	25,267	25,267	20,887	(4,380)	(17.3)%	36,125	10,858	43.0 %	36,125					Increase primarily due to new software.
TOTAL BOARD OF TRUSTEES			**25,267**	**25,267**	**20,887**	**(4,380)**	**-17.3%**	36,125	10,858	43.0 %	36,125	—	—	—	—	
OFFICE OF THE PRESIDENT																
2	Office of the President	1002	511,413	511,413	553,568	42,155	8.2 %	539,547	28,134	5.5 %	539,547					
2A	Audit & Compliance	TBD				—		167,200	167,200		167,200					New position required by statute.
2B	Title IX	TBD				—		103,250	103,250		103,250					New position required by statute.
3	Ombudsperson	1050	110,992	110,992	18,698	(92,294)	(83.2)%	18,220	(92,772)	(83.6)%	18,220					Anticipated reduction in accreditation expenses
TOTAL OFFICE OF THE PRESIDENT			**622,405**	**622,405**	**572,266**	**(50,139)**	**-8.1%**	828,217	**205,812**	**33.1 %**	828,217	—	—	—	—	
DIVISION OF ACADEMIC AFFAIRS																
Office of the Exec. Vice President & Provost																
4	EVP Academic Affairs	1003	5,246,899	5,246,899	1,346,658	(3,900,241)	(74.3)%	3,275,662	(1,971,237)	(37.6)%	3,275,662					16-17 budget included all faculty new hires now assigned to Colleges
4A	Faculty Hiring					—		4,800,000	4,800,000		4,800,000					New appropriation
4B	Center for Applied Economic Analysis (FPLI)	TBD				—		75,000	75,000		75,000					
5	Labs	1007	399,167	399,167	233,175	(165,992)	(41.6)%	330,745	(68,422)	(17.1)%	330,745					Reduction due to cost shifted to EH&S.
	Sub-Total Office of the Exec. Vice Pres. & Provost		**5,646,066**	**5,646,066**	**1,579,833**	**(4,066,233)**	**-72.0%**	8,481,407	**2,835,341**	**50.2 %**	8,481,407	—	—	—	—	
ACADEMIC AFFAIRS - VICE PROVOST						—										
6	Registrar	1011	171,711	171,711	218,259	46,548	27.1 %	372,257	200,546	116.8 %	372,257					Due to new staffing needs
7	Transcript	1011				—		3,200	3,200				3,200			
	Sub-Total Office of the Registrar		**171,711**	**171,711**	**218,259**	**46,548**	**27.1%**	**375,457**	**203,746**	**118.7 %**	372,257	—	3,200	—	—	
8	Institutional Effectiveness / SACS	1009	226,855	226,855	245,297	18,442	8.1 %	205,500	(21,355)	(9.4)%	205,500					
9	Institutional Research	1010	274,072	274,072	271,204	(2,868)	(1.0)%	236,980	(37,092)	(13.5)%	236,980					
10	College of Engineering	1004	1,283,206	1,283,206	1,647,181	363,975	28.4 %	2,076,784	793,578	61.8 %	2,076,784					Positions shifted from Provost budget to College.
11	College of Innovation & Technology	1005	960,930	960,930	2,108,056	1,147,126	119.4 %	2,024,438	1,063,508	110.7 %	2,024,438					Positions shifted from Provost budget to College.
12	General Education	1006	1,674,857	1,674,857	2,535,626	860,769	51.4 %	1,607,173	(67,684)	(4.0)%	1,607,173					
	Sub-Total Academic Affairs - Vice Provost		**4,419,920**	**4,419,920**	**6,807,364**	**2,387,444**	**54.0%**	6,150,875	**1,730,955**	**39.2 %**	6,150,875	—	—	—	—	
Academic Support Services											—					
13	Academic Support Services/Library	1012	697,930	697,930	731,336	33,406	4.8 %	993,797	295,867	42.4 %	993,797					Increase due to staff realignment
	Sub-Total Academic Services / Library		**697,930**	**697,930**	**731,336**	**33,406**	**4.8%**	**993,797**	**295,867**	**42.4 %**	**993,797**	—	—	—	—	
ENROLLMENT - Vice Provost																
14	Enrollment Services & Admissions	1014	266,260	266,260	136,414	(129,846)	(48.8)%	388,032	121,772	45.7 %	388,032					Increase due to staff realignment
14A	Application	1014	—	—		—		10,000	10,000				10,000			
15	Admissions	1015	1,057,885	1,057,885	1,201,125	143,240	13.5 %	1,123,594	65,709	6.2 %	1,123,594					

FLORIDA POLYTECHNIC UNIVERSITY **Revised 6-5-17**

2017-18 BUDGET REQUESTS_"ALL SOURCES"

REF#	COST CENTER TITLE	COST CENTER	2016-17 E&G Budget (A)	2016-17 ALL SOURCES BUDGET (B)	2016-17 Estimated Actual through 6-30-17 (C)	2016-17 VARIANCE (Est Actual vs Budget) D = (C) - (B)		2017-18 Budget Request - ALL Sources (E)	Increase Over Prior Year Budget F = (E) - (B)		FY 2017-18 Proposed BUDGET by Fund Source: E&G	FIPR	Fees	Auxiliaries	PECO	COMMENTS
16	International Students	1017	50,055	50,055	70,938	20,883	41.7 %	152,294	102,239	204.3 %	152,294					Increase in travel budget
17	Financial Aid	1016	267,558	267,558	266,788	(770)	(0.3)%	377,214	109,656	41.0 %	377,214					New consulting services and student workers
17A	Financial Aid	1016	—	—		—		118,378	118,378				118,378			
17B	Financial Aid - State Appropriations		50,000	50,000	50,000	—	—%	50,000	—	—%	50,000					
	Sub-Total Enrollment Services		**1,691,758**	**1,691,758**	**1,725,265**	**33,507**	**2.0%**	**2,219,512**	**527,754**	**31.2 %**	**2,091,134**	**—**	**128,378**	**—**	**—**	
STUDENT AFFAIRS - Vice Provost																
18	Student Affairs	1018	478,336	478,336	439,735	(38,601)	(8.1)%	481,006	2,670	0.6 %	481,006					Increase due to staff realignment
18A	Orientation	1018	—		12,774	12,774		15,050	15,050				15,050			
18B	Health Services	1018		317,145	183,657	(133,488)	(42.1)%	170,576	(146,569)	(46.2)%			170,576			Reduced budget due to fee waivers
18C	Student Government	1018		444,300	282,890	(161,410)	(36.3)%	278,886	(165,414)	(37.2)%			278,886			Reduced budget due to fee waivers
18D	Athletics	1018		574,433	78,873	(495,560)	(86.3)%	223,489	(350,944)	(61.1)%			223,489			Reduced budget due to fee waivers
	Sub-Total Student Affairs		**478,336**	**1,814,214**	**997,929**	**(816,285)**	**-45.0%**	**1,169,007**	**(645,207)**	**(35.6)%**	481,006	**—**	688,001	**—**	**—**	
RESEARCH																
19	Contracts & Grants	1022	232,100	232,100	226,845	(5,255)	(2.3)%	227,922	(4,178)	(1.8)%	227,922					
20	Health Informatics	1049	500,000	500,000	450,453	(49,547)	(9.9)%	426,505	(73,495)	(14.7)%	426,505					
21	FIPR	1020		3,162,084	2,217,496	(944,588)	(29.9)%	2,718,470	(443,614)	(14.0)%		2,718,470				
21A	FIPR Auxiliary	1020		298,313	1,459	(296,854)	(99.5)%	300,000	1,687	0.6 %				300,000		
22	Industry Partnerships & Entrepreneurship	1021	1,640,000	1,640,000	364,006	(1,275,994)	(77.8)%	431,670	(1,208,330)	(73.7)%	431,670					Rebudgeted due to non-recurring funding
	Sub-Total Research		**2,372,100**	**5,832,497**	**3,260,259**	**(2,572,238)**	**-44.1%**	**4,104,567**	**(1,727,930)**	**(29.6)%**	**1,086,097**	**2,718,470**	**—**	**300,000**	**—**	
TOTAL DIVISION OF ACADEMIC AFFAIRS			**15,477,821**	**20,274,096**	**15,320,245**	**(4,953,851)**	**-24.4%**	**23,494,622**	**2,924,659**	**18.9 %**	19,656,573	2,718,470	819,579	300,000	—	
DIVISION OF ADVANCEMENT																
23	Marketing & Communications	1035	2,200,166	2,200,166	2,175,476	(24,690)	(1.1)%	1,920,643	(279,523)	(12.7)%	1,920,643					Reduction due to department realignment.
24	External Affairs	1036	279,048	279,048	263,893	(15,155)	(5.4)%	285,672	6,624	2.4 %	285,672					
25	Government Affairs	1037	1,230,612	1,230,612	807,079	(423,533)	(34.4)%	447,467	(783,145)	(63.6)%	447,467					Reduction due to loss of anti-hazing funding.
26	University Advancement	1034	914,127	914,127	827,496	(86,631)	(9.5)%	1,240,292	326,165	35.7 %	1,240,292					Increase due to new positions.
TOTAL DIVISION OF ADVANCEMENT			**4,623,953**	**4,623,953**	**4,073,944**	**(550,009)**	**-11.9%**	3,894,074	**(729,879)**	**(15.8)%**	3,894,074	—	—	—	—	
DIVISION OF FINANCE & ADMINISTRATION																
CFO																
27	Office of the CFO	1058	—			—		336,202	336,202		336,202					Previously included under cost center 1031
28	Central Administration	1057	1,531,803	1,531,803		(1,531,803)	(100.0)%	1,378,153	(153,650)	(10.0)%	1,378,153					
29	Risk Management	1059				—		75,857	75,857		75,857					Previously included under cost center 1057
	Sub-Total CFO		**1,531,803**	**1,531,803**				**1,790,212**	**258,409**	**16.9 %**	**1,790,212**					
Administration																

FLORIDA POLYTECHNIC UNIVERSITY **Revised 6-5-17**

2017-18 BUDGET REQUESTS_"ALL SOURCES"

REF#	COST CENTER TITLE	COST CENTER	2016-17 E&G Budget (A)	2016-17 ALL SOURCES BUDGET (B)	2016-17 Estimated Actual through 6-30-17 (C)	2016-17 VARIANCE (Est Actual vs Budget) D = (C) - (B)		2017-18 Budget Request - ALL Sources (E)	Increase Over Prior Year Budget F = (E) - (B)		FY 2017-18 Proposed BUDGET by Fund Source: E&G	FIPR	Fees	Auxiliaries	PECO	COMMENTS
30	Special Projects / ERP	1027	3,341,331	3,341,331	1,885,035	(1,456,296)	(43.6)%	1,240,247	(2,101,084)	(62.9)%	1,240,247					Reduced for project completion.
31	Construction & Facilities / Campus Dev.	1024	3,042,020	3,042,020	2,692,862	(349,158)	(11.5)%	3,018,528	(23,492)	(0.8)%	3,018,528					
31A	Capital Improvement Fee	1024	—	149,925		(149,925)	(100.0)%	75,340	(74,585)	(49.7)%			75,340			Reduced budget due to fee waivers
32	Environmental Health & Safety	1019			152,000	152,000		210,016	210,016		210,016					Previously included under cost center 1007.
33	Public Safety & Police	1026	863,891	863,891	893,215	29,324	3.4 %	901,558	37,667	4.4 %	901,558					
34	Human Resources	1032	415,437	415,437	477,000	61,563	14.8 %	577,096	161,659	38.9 %	577,096					Increase due to new positions.
35	Procurement	1028	—			—		327,270	327,270		327,270					Previously included under cost center 1031
	Sub-Total Administration		**7,662,679**	**7,812,604**	**6,100,112**	**(1,712,492)**	**-21.9%**	**6,350,055**	**(1,462,549)**	**(18.7)%**	**6,274,715**	**—**	**75,340**	**—**	**—**	
Finance & Accounting																
36	University Bursar Office	1029	123,557	123,557		(123,557)	(100.0)%	150,354	26,797	21.7 %	150,354					Adjusted budget for merchant fees
36A	Auxiliary : Late Fees	1029				—		11,000	11,000					11,000		
37	Finance & Accounting	1031	1,609,379	1,609,379	1,726,033	116,654	7.2 %	966,531	(642,848)	(39.9)%	966,531			—	—	
38	Budgets	1030	154,150	154,150		(154,150)	(100.0)%	247,826	93,676	60.8 %	247,826					Previously included under cost center 1031
39	Auxiliary: Other	1023	—		380,583	380,583		523,122	523,122					523,122		
	Sub-Total Finance & Accounting		**1,887,086**	**1,887,086**	**2,106,616**	**219,530**	**11.6%**	**1,898,833**	**11,747**	**0.6 %**	**1,364,711**	**—**	**—**	**534,122**	**—**	
Business & Auxiliary Services																
40A	Auxiliary: Bookstore	1025		7,325	5,894	(1,431)	(19.5)%	7,180	(145)	(2.0)%				7,180		
40B	Auxiliary: Campus Mail	1025	—		6,299	6,299		2,365	2,365					2,365		
40C	Auxiliary: Copy Center	1025	—		9,154	9,154		3,980	3,980					3,980		
40D	Auxiliary: Dining	1025		1,571,446	2,521,123	949,677	60.4 %	2,522,575	951,129	60.5 %				2,522,575		Increase due to additional co-hort.
40E	Auxiliary: Parking & Transportation	1025		347,806	324,766	(23,040)	(6.6)%	237,677	(110,129)	(31.7)%				237,677		
40F	Auxiliary: Poly Card	1025		15,545	17,911	2,366	15.2 %	20,400	4,855	31.2 %				20,400		Increase due to additional co-hort.
40G	Auxiliary: Housing	1025	—		152,375	152,375		52,997	52,997					52,997		
40I	Auxiliary: Concessions	1025	—		3,919	3,919		4,400	4,400					4,400		
	Sub-Total Business & Auxiliary Services		**—**	**1,942,122**	**3,041,441**	**1,099,319**	**56.6%**	2,851,574	**909,452**	**46.8 %**	—	—	—	2,851,574	—	
TECHNOLOGY SERVICES		1041	3,487,640	3,487,640	3,399,592	(88,048)	(2.5)%	278,220	(3,209,420)	(92.0)%	278,220					
41	Information Security	1043	—			—		1,073,076	1,073,076		1,073,076					Previously included in cost center 1041
42	Administrative Computing	1045	—			—		1,492,148	1,492,148		1,492,148					Previously included in cost center 1041
43	Academic Technology & Support Svcs.	1044				—		1,000,484	1,000,484		1,000,484					Previously included in cost center 1041
43A	Technology Fee	1041		279,361	295,341	15,980	5.7 %	90,267	(189,094)	(67.7)%			90,267			
	Sub-Total Department of Technology Services		**3,487,640**	**3,767,001**	**3,694,933**	**(72,068)**	**-1.9%**	3,934,195	**167,194**	**4.8 %**	3,843,928	—	90,267	—	—	
TOTAL DIVISION OF FINANCE & ADMINISTRATION			**14,569,208**	**16,940,616**	**14,943,102**	**(465,711)**	**-2.7%**	**16,824,869**	**(115,747)**	**(0.8)%**	**13,273,566**	**—**	**165,607**	**3,385,696**	**—**	
DIVISION OF GENERAL COUNSEL																
44	**General Counsel**	1033	802,944	802,944	767,338	(35,606)	(4.4)%	756,703	(46,241)	(5.8)%	756,703					

FLORIDA POLYTECHNIC UNIVERSITY **Revised 6-5-17**

2017-18 BUDGET REQUESTS_"ALL SOURCES"

REF#	COST CENTER TITLE	COST CENTER	2016-17 E&G Budget (A)	2016-17 ALL SOURCES BUDGET (B)	2016-17 Estimated Actual through 6-30-17 (C)	2016-17 VARIANCE (Est Actual vs Budget) D = (C) - (B)		2017-18 Budget Request - ALL Sources (E)	Increase Over Prior Year Budget F = (E) - (B)		FY 2017-18 Proposed BUDGET by Fund Source: E&G	FIPR	Fees	Auxiliaries	PECO	COMMENTS
TOTAL DIVISION OF GENERAL COUNSEL			**802,944**	**802,944**	**767,338**	**(35,606)**	**-4.4%**	**756,703**	**(46,241)**	**(5.8)%**	756,703	—	—	—	—	
45	Salary Increase - Equity, COLA, Merit & Promotion Pool	1000						777,348	777,348		739,047	29,974	1,425	6,902		
46	**RESERVES**	1000	**1,704,131**	**1,704,131**					**(1,704,131)**	**(100.0)%**	—					
47	**TOTAL BUDGET REQUEST**		**$ 37,825,729**	**$ 44,993,412**	**$ 35,697,782**	**$ (6,059,696)**	**-13.5%**	**$ 46,611,958**	**$ 1,322,679**	**3.5 %**	**39,184,305**	**2,748,444**	**986,611**	**3,692,598**	—	
BUDGETED REVENUES/ALLOCATIONS																
48	Appropriation - Operating Funds							41,441,660			36,322,098	5,119,562				
48A	Lottery Funds							243,148			243,148					
48B	Need-Based Financial Aid							50,000			50,000					
49	Tuition							2,368,638			2,368,638					
50	FIPRI Shared Services							—			200,421	(200,421)				
51	Fees							991,731					991,731			
52	Auxiliaries							4,095,649						4,095,649	-	
53	**TOTAL BUDGETED REVENUES**							**49,190,826**			39,184,305	4,919,141	991,731	4,095,649	—	
BUDGET SURPLUS OR (DEFICIT)								**2,578,868**			**—**	**2,170,697**	**5,120**	**403,051**	**—**	
CAPITAL PROJECTS																
54	Campus Reclaimed Water										2,000,000					
55	Redundant Potable Water Hookup										100,000					
56	Supercomputer Relocation										100,000					
57	Commons Offices										490,000					
58	Restoration of Shop										230,000					
59	Wellness Medical Office Reconfiguration										125,000					
60	IST Acoustics - Aula Magna/Commons										150,000					
61	Student Affairs Offices in Housing										150,000					
62	Food Service Buyout/Renovations													1,602,723		
63	FIPR Education Building – Roof											85,000				
64	FIPR Administration Building – Envelope											80,000				
65	Applied Research Center (ARC)														7,000,000	
66	**Sub-Total Campus Development**										**3,345,000**	**165,000**		**1,602,723**	**7,000,000**	
67	Disaster Recovery site setup										300,000					
68	University Application Portal										300,000					
69	Secondary Internet connection+fiber build										75,000					
70	Campus emergency mass notification system										65,000					
71	Virus Malware bittorrent web filtering										30,000					
72	Campus outside wireless re-survey										20,000					
73	Poly South Server Cluster hardware replacement										60,000					
74	Console servers for remote access										10,000					
75	Equip Est. Cost - lease in work - 1/3 of total										40,000					
76	Replacement of Lab computers - lease in										18,000					
77	911 call location detail add to systems										20,000					

FLORIDA POLYTECHNIC UNIVERSITY **Revised 6-5-17**

2017-18 BUDGET REQUESTS_"ALL SOURCES"

REF#	COST CENTER TITLE	COST CENTER	2016-17 E&G Budget (A)	2016-17 ALL SOURCES BUDGET (B)	2016-17 Estimated Actual through 6-30-17 (C)	2016-17 VARIANCE (Est Actual vs Budget) D = (C) - (B)		2017-18 Budget Request - ALL Sources (E)	Increase Over Prior Year Budget F = (E) - (B)		FY 2017-18 Proposed BUDGET by Fund Source: E&G	FIPR	Fees	Auxiliaries	PECO	COMMENTS
78	Video end-points for meeting rooms										30,000					
79	**Sub-Total Information Technology**										**968,000**					
80	**IBM Agreement - WorkDay Student**										**1,346,107**					
81	**TOTAL EXPENSE CAPITAL PROJECTS**										**5,659,107**	**165,000**		**1,602,723**	**7,000,000**	
BUDGETED SOURCES FOR CAPITAL PROJECTS																
82	Carry Forward										5,659,107					
83	Food Service Buyout/Renovations													1,602,723	-	
84	FIPR Education Building – Roof											85,000				
85	FIPR Administration Building – Envelope											80,000				
86	PECO Funding														7,000,000	
87	**TOTAL REVENUES CAPITAL PROJECTS**										**5,659,107**	**165,000**		**1,602,723**	**7,000,000**	

FLORIDA POLYTECHNIC UNIVERSITY

FY 2017-18 E&G Operating Budget by Category

2017-18 BUDGET DETAIL

REF#	COST CENTER TITLE	COST CENTER	Salary & Benefits	OPS	Expense	Total
1	Board of Trustees	1001			36,125	36,125
TOTAL BOARD OF TRUSTEES					36,125	36,125
OFFICE OF THE PRESIDENT						
2	Office of the President	1002	416,307	3,240	120,000	539,547
2A	Audit & Compliance	TBD	157,200		10,000	167,200
2B	Title IX	TBD	98,250		5,000	103,250
3	Ombudsperson	1050	7,860		10,360	18,220
TOTAL OFFICE OF THE PRESIDENT			679,617	3,240	145,360	828,217
DIVISION OF ACADEMIC AFFAIRS						
Office of the Exec. Vice President & Provost						
4	EVP Academic Affairs	1003	6,460,268	959,394	656,000	8,075,662
4A	Faculty Hiring					-
4B	Center for Applied Economic Analysis (FPLI)	TBD		25,000	50,000	75,000
5	Labs	1007	289,564	33,681	7,500	330,745
	Sub-Total Office of the Exec. Vice Pres. & Provost		6,749,832	1,018,075	713,500	8,481,407
ACADEMIC AFFAIRS - VICE PROVOST						
6	Registrar	1011	355,857		16,400	372,257
7	Transcript	1011			3,200	3,200
	Sub-Total Office of the Registrar		355,857	-	19,600	375,457
8	Institutional Effectiveness / SACS	1009	127,646		77,854	205,500
9	Institutional Research	1010	209,040		27,940	236,980
10	College of Engineering	1004	1,974,784		102,000	2,076,784
11	College of Innovation & Technology	1005	1,927,438		97,000	2,024,438
12	General Education	1006	1,536,173		71,000	1,607,173
13	Graduate Programs (included in CC 1003)	1008				-
	Sub-Total Academic Affairs - Vice Provost		5,775,081	-	375,794	6,150,875
Academic Support Services						

13	Academic Support Services/Library	1012	522,682	24,000	447,115	993,797
	Sub-Total Academic Services / Library		522,682	24,000	447,115	993,797
ENROLLMENT - Vice Provost						
14	Enrollment Services & Admissions	1014	191,260	25,272	171,500	388,032
14A	Application	1014			10,000	10,000
15	Admissions	1015	603,488	137,149	382,957	1,123,594
16	International Students	1017	62,194	21,600	68,500	152,294
17	Financial Aid	1016	230,966	57,248	89,000	377,214
17A	Financial Aid	1016			118,378	118,378
17B	Financial Aid - State Appropriations				50,000	50,000
	Sub-Total Enrollment Services		1,087,908	241,269	890,335	2,219,512
STUDENT AFFAIRS - Vice Provost						
18	Student Affairs	1018	269,206	64,800	147,000	481,006
18A	Orientation	1018			15,050	15,050
18B	Health Services	1018	62,225		108,351	170,576
18C	Student Government	1018	23,580	38,610	216,696	278,886
18D	Athletics	1018	62,194	64,865	96,430	223,489
	Sub-Total Student Affairs		417,205	168,275	583,527	1,169,007
RESEARCH						
19	Contracts & Grants	1022	178,422		49,500	227,922
20	Health Informatics	1049	323,505	96,000	7,000	426,505
21	FIPR	1020	1,193,764	380,206	1,144,500	2,718,470
21A	FIPR Auxiliary	1020			300,000	300,000
22	Industry Partnerships & Entrepreneurship	1021	292,130	14,040	125,500	431,670
	Sub-Total Research		1,987,821	490,246	1,626,500	4,104,567
TOTAL DIVISION OF ACADEMIC AFFAIRS			16,896,386	1,941,865	4,656,371	23,494,622
DIVISION OF ADVANCEMENT						
23	Marketing & Communications	1035	666,360		1,254,283	1,920,643
24	External Affairs	1036	160,672		125,000	285,672
25	Government Affairs	1037	382,167		65,300	447,467
26	University Advancement	1034	1,099,140	41,472	99,680	1,240,292
TOTAL DIVISION OF ADVANCEMENT			2,308,339	41,472	1,544,263	3,894,074
DIVISION OF FINANCE & ADMINISTRATION						
CFO						
27	Office of the CFO	1058	311,094		25,108	336,202
28	Central Administration	1057			1,378,153	1,378,153

29	Risk Management	1059			75,857	75,857
	Sub-Total CFO		311,094	-	1,479,118	1,790,212
Administration						
30	Special Projects / ERP	1027	437,169		803,078	1,240,247
31	Construction & Facilities / Campus Dev.	1024	647,795		2,370,733	3,018,528
31A	Capital Improvement Fee	1024			75,340	75,340
32	Environmental Health & Safety	1019	107,420	19,596	83,000	210,016
33	Public Safety & Police	1026	775,488		126,070	901,558
34	Human Resources	1032	416,746	41,600	118,750	577,096
	Office of Finance & Administration	1023				-
35	Procurement	1028	315,710		11,560	327,270
	Sub-Total Administration		2,700,328	61,196	3,588,531	6,350,055
Finance & Accounting						
36	University Bursar Office	1029	118,513		31,841	150,354
36A	Auxiliary : Late Fees	1029			11,000	11,000
37	Finance & Accounting	1031	877,218		89,313	966,531
38	Budgets	1030	243,326		4,500	247,826
39	Auxiliary: Other	1023			523,122	523,122
	Sub-Total Finance & Accounting		1,239,057	-	659,776	1,898,833
Business & Auxiliary Services						
42	Business Services	1025				-
40A	Auxiliary: Bookstore	1025			7,180	7,180
40B	Auxiliary: Campus Mail	1025			2,365	2,365
40C	Auxiliary: Copy Center	1025			3,980	3,980
40D	Auxiliary: Dining	1025	280,201		2,242,374	2,522,575
40E	Auxiliary: Parking & Transportation	1025	68,997	19,656	149,024	237,677
40F	Auxiliary: Poly Card	1025			20,400	20,400
40G	Auxiliary: Housing	1025	52,997			52,997
42H	Auxiliary: Miscellaneous	1025				-
40I	Auxiliary: Concessions	1025			4,400	4,400
	Sub-Total Business & Auxiliary Services		402,195	19,656	2,429,723	2,851,574
TECHNOLOGY SERVICES		1041	267,240		10,980	278,220
41	Information Security	1043	432,876		640,200	1,073,076
42	Administrative Computing	1045	977,148		515,000	1,492,148
43	Academic Technology & Support Svcs.	1044	715,582	89,856	195,046	1,000,484
43A	Technology Fee	1041			90,267	90,267
	Sub-Total Department of Technology Services		2,392,846	89,856	1,451,493	3,934,195
TOTAL DIVISION OF FINANCE & ADMINISTRATION			7,045,520	170,708	9,608,641	16,824,869

DIVISION OF GENERAL COUNSEL						
44	**General Counsel**	1033	533,903		222,800	756,703
TOTAL DIVISION OF GENERAL COUNSEL			533,903	-	222,800	756,703
45	Salary Incr - Equity, COLA, Merit & Promotion Pool	1000	739,047		38,301	777,348
46	**RESERVES**	1000				
47	**TOTAL BUDGET REQUEST**		**$ 28,202,812**	**$ 2,157,285**	**$ 16,251,861**	**$ 46,611,958**

AGENDA ITEM: X

Florida Polytechnic University
Finance and Facilities Committee
Board of Trustees
June 7, 2017

Subject: 2017-18 Florida Polytechnic University Foundation Budget

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Proposed Committee Action

Recommend approval of the 2017-18 Florida Polytechnic University Foundation Budget to the Board of Trustees.

Background Information

Based upon the budget approved by the University Foundation's Board of Trustees, the University presents for approval the Foundation's 17-18 fiscal year budget.

Supporting Documentation:
Foundation Budget
Foundation Budget Revenue Forecast

Prepared by: Mark Mroczkowski, CFO and Vice President

Florida Polytechnic University Foundation
2017-18 Revenue Forecast

	Jul-17	$ 42,948	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Total
Saddle Creek			$ 125,000	$ 125,000									$ 250,000
Major 1			500,000				500,000						1,000,000
Major2								250,000					250,000
Major3										250,000			250,000
Major4											125,000		125,000
Major5									150,000				150,000
Major6											125,000		125,000
Major7										125,000			125,000
Pivot Light							125,000	125,000	150,000				400,000
Faculty/Staff	3,200	3,200	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	41,400
Grants								50,000		50,000	100,000	50,000	250,000
BoT			5,000	5,000	5,000	50,000				10,000	5,000	25,000	105,000
WIS							30,000	30,000	30,000				90,000
Fdn Board		5,000	5,000	5,000	5,000	40,000	5,000	10,000	5,000	10,000	5,000	5,000	100,000
Misc	25,000	25,000	25,000	25,000	50,000	300,000	25,000	50,000	75,000	50,000	50,000	50,000	750,000
Total	$ 28,200	$ 33,200	$ 663,500	$ 163,500	$ 63,500	$ 393,500	$ 688,500	$ 518,500	$ 413,500	$ 498,500	$ 413,500	$ 133,500	$ 4,011,400
											Less Restricted		125,000
											Total Unrescricted		$ 3,886,400

AGENDA ITEM: VIII

FOUNDATION BOARD
Florida Polytechnic University
Finance and Investment Committee
May 5, 2017

Subject: Foundation 2017-2018 Budget

Proposed Committee Action

Recommend approval of the Foundation 2017-2018 Budget.

Background Information

Supporting Documentation: Foundation 2017-2018 Budget

Prepared by: Derek Horton, University Controller

Finance and Investment Committee 05.05.17

FLORIDA POLYTECHNIC UNIVERSITY FOUNDATION

BUDGET WORKSHEET

BUDGET ACCOUNT/DESCRIPTION		FY 16/17 PRELIMINARY BUDGET	TOTAL 17/18 PRELIMINARY BUDGET	BUDGET INCREASE/ (DECREASE) OVER PRIOR YEAR	
				$	%
SALARIES AND BENEFITS					
600000	SALARY	348,117	**226,856**		
600000	BENEFITS & TAXES	84,017	**206,713**		
650000	OTHER PERSONNEL SERVICES (OPS)				
650000	OPS BENEFITS				
	TOTAL SALARIES & BENEFITS	**432,134**	**433,569**	**1,435**	**0.33%**
CONTRACTUAL SERVICES (710000-719999)					
700000	ACCOUNTING/BANKING SERVICES	21,000	**17,500**		
700000	ADVERTISING/MARKETING				
700000	LEGAL SERVICES				
700000	CONSULTING SERVICES	252,000	**252,000**		
700000	ENGINEERING SERVICES				
700000	JANITORIAL SERVICES				
700000	OTHER CONTRACTUAL SERVICES				
	TOTAL CONTRACTUAL SERVICES	**273,000**	**269,500**	**(3,500)**	**-1.28%**
MATERIALS AND SUPPLIES (730000-739999)					
REPAIRS AND MAINTENANCE (740000-749999)					
SCHOLARSHIPS (750000-759999)					
700000	FINANCIAL AID/SCHOLARSHIPS/STIPENDS	5,003,937	**2,000,000**		
	TOTAL SCHOLARSHIPS	**5,003,937**	**2,000,000**	**(3,003,937)**	**-60.03%**
TRAVEL EXPENSES (770000-779999)					
700000	TRAVEL	26,000	26,000		
	TOTAL TRAVEL	**26,000**	**26,000**	**0**	**0.00%**
OTHER OPERATING EXPENSES (790000-799999)					
700000	MEMBERSHIPS/SUBSCRIPTIONS & DUES	500	**0**		
700000	SUBSCRIPTIONS				
700000	PROFESSIONAL LICENSES		**1,801**		
700000	RENTALS SPACE/EQUIPMENT	20,000	**19,000**		
700000	PRINTING & REPRODUCTION	17,500	**16,625**		
700000	LIBRARY RESOURCES & PUBLICATIONS < $5,000				
700000	POSTAGE/COURIER SERVICES	5,000	**4,750**		
700000	RECRUITMENT SERVICES				
700000	OTHER OPERATING EXPENSES	10,000	**50,000**		
700000	INSURANCE	4,000	**4,000**		
700000	FOOD & BEVERAGES HUMAN CONSUMPTION	196,950	**187,103**		
700000	ENTERTAINMENT EXPENSE	65,000	**61,750**		
700000	MEETING PROGRAM EXPENSE	48,000	**45,600**		
700000	SHARED SERVICES				
820850	COMPONENT UNIT TRANSFER TO FPU		**617,394**		
	TOTAL OTHER OPERATING EXPENSES:	**366,950**	**1,008,023**	**641,073**	**174.70%**
	TOTAL NON-PAYROLL EXPENSES	**5,669,887**	**3,303,523**	**(2,366,364)**	**-41.74%**
	TOTAL	**6,102,021**	**3,737,092**	**(2,364,929)**	**-38.76%**

AGENDA ITEM: XI

Florida Polytechnic University
Finance and Facilities Committee
Board of Trustees
June 7, 2017

Subject: Naming Opportunity

Proposed Committee Action

Recommend approval of the naming of Lab 1056 in the Innovation, Science and Technology Building of Florida Polytechnic University as the "Vestcor Research Lab" to the Board of Trustees.

Background Information

On May 5, 2017, the Florida Polytechnic University Foundation Finance and Investment Committee voted unanimously to approve the naming of Lab 1056 in the Innovation, Science and Technology Building of Florida Polytechnic University as the "Vestcor Research Lab". The naming then went before the full Board and received unanimous approval.

Supporting Documentation: NA

Prepared by: Kevin Aspegren

AGENDA ITEM: XII

Florida Polytechnic University
Finance and Facilities Committee
Board of Trustees
June 7, 2017

Subject: Campus Development Agreement

Proposed Committee Action

Recommend approval of the Campus Development Agreement to the Board of Trustees.

Background Information

Tim Campbell will provide an update on the Campus Development Agreement.

Supporting Documentation:
Campus Development Agreement

Prepared by: Tim Campbell

2017 AMENDED AND RESTATED
CAMPUS DEVELOPMENT AGREEMENT
BETWEEN THE CITY OF LAKELAND AND
THE FLORIDA POLYTECHNIC UNIVERSITY BOARD OF TRUSTEES

THIS 2017 AMENDED AND RESTATED CAMPUS DEVELOPMENT AGREEMENT ("**2017 Campus Development Agreement**" or "**Agreement**") is made and entered into by and between the CITY OF LAKELAND (hereinafter referred to as the "**City**"), a municipal corporation of the State of Florida, and the FLORIDA POLYTECHNIC UNIVERSITY BOARD OF TRUSTEES, (hereinafter referred to as the "**University**"), a public body corporate of the State of Florida, acting for and on behalf of the Florida Polytechnic University, whom are individually referred to as a "**Party**," and collectively referred to as the "**Parties**", and said Parties hereby agree to this 2017 Campus Development Agreement under the terms and conditions set forth herein.

WITNESSETH:

WHEREAS, the City and the University of South Florida, as predecessor in interest to the University, entered into that certain Campus Development Agreement, dated December 21, 2007 ("**Initial Campus Development Agreement**"), in conjunction with the 2005-2015 campus master plan for the University of South Florida Polytechnic campus that was adopted, on or about March 7, 2007, in compliance with the requirements set forth in Subsections 1013.30 (3) - (6), Florida Statutes (the "**Initial Campus Master Plan**"); and

WHEREAS, the City and Florida Polytechnic University, as a successor in interest to the University of South Florida regarding the University, entered into that certain First Amendment to Campus Development Agreement dated December 22, 2015, that acknowledged that Florida Polytechnic University was the successor in interest to the University of South Florida and extended the term of the Campus Development Agreement until July 3, 2017 (the "**Updated Campus Master Plan**," which, along with the Initial Campus Master Plan, may be referred to as the "**Campus Master Plan**"); and

WHEREAS, the Initial Campus Master Plan, and the Approved Development Schedule attached as Exhibit "B" to the Initial Campus Development Agreement (defined below), authorized, and vested for concurrency, greater uses, densities and intensities than those reflected in the Update Campus Master Plan and the Approved Development Schedule attached hereto and incorporated herein by reference; and

WHEREAS, it is the intent of the City and the University that the University develop the University Campus pursuant to the Updated Campus Master Plan and the Approved Development Schedule attached hereto and incorporated herein by reference but that the University be vested for the uses, densities and intensities reflected in the Initial Campus Master Plan, and the Approved Development Schedule attached as Exhibit "B" to the Initial Campus Development Agreement given that the University paid for all impacts to the development authorized in the Initial Campus Master Plan and in the Approved Development Schedule attached as Exhibit "B" to the Initial Campus Development Agreement, provided that the University would have to amend the Campus Master Plan and the Campus Development Agreement to authorize any development in excess of that authorized in the Updated Campus Master Plan and herein; and

WHEREAS, the University is considered to be a vital public facility that provides educational benefits of statewide and national importance, and that further provides substantial educational, economic, and cultural benefits to the City; and

WHEREAS, in recognition of this unique relationship between campuses of the State University System and the local governments in which they are located, the Florida Legislature has established special provisions for campus planning and concurrency in Section 1013.30, Florida Statutes, which supersede the requirements of Part II of Chapter 163, Florida Statutes, except when stated otherwise; and

WHEREAS, the campus development agreement shall determine the impacts of proposed campus development reasonably expected over the term of the campus development agreement on public facilities and services, including transportation, wastewater, solid waste, drainage/stormwater management, potable water, and parks and recreation; and

WHEREAS, the campus development agreement shall identify any deficiencies in public facilities and services which the proposed campus development will create or to which it will contribute; and

WHEREAS, the campus development agreement shall identify all improvements to facilities or services which are necessary to eliminate these deficiencies; and

WHEREAS, the campus development agreement shall identify the "fair share" of the cost of improvements to facilities or services which are necessary to eliminate these deficiencies; and

WHEREAS, the "fair share" costs of improvements to be funded by the University of South Florida was determined in conjunction with the adoption of the initial Campus Development Agreement and were, subject to the availability of funds in the University Concurrency Trust Fund or other appropriation by the Florida Legislature for such purposes, funded; and

WHEREAS, Florida Polytechnic University became the successor in interest in the Lakeland Polytechnic campus as a result of State of Florida legislative action adopted in 2012 pursuant to Chapter 2012-129, Laws of Florida, and reflected in the adoption of Section 1004.345, Florida Statutes; and

WHEREAS, all references to the Lakeland Polytechnic University in this 2017 Campus Development Agreement shall now be referenced as Florida Polytechnic University; and

WHEREAS, on or about September 7, 2016, the Florida Polytechnic University Board of Trustees adopted Florida Polytechnic University's 2015-2025 Updated Campus Master Plan (hereafter, the "**Campus Master Plan**"); and

WHEREAS, Florida Polytechnic University and the City are required to enter into an amended and updated Campus Development Agreement to reflect the adoption of the Campus Master Plan; and

WHEREAS, all of the City's financial obligations hereunder are subject to availability of funds in the City's Annual Budget or other appropriation by the City Commission for such purposes; and

WHEREAS, all of the University's financial obligations hereunder are subject to availability of funds in the State of Florida Legislative budget for Florida Polytechnic University or other appropriation by the State of Florida Legislature for such purposes.

NOW THEREFORE, in consideration of the covenants contained herein and the performance thereof, the Parties do hereby agree as follows:

1.0 RECITATIONS

The foregoing recitals are true and correct and are incorporated herein by reference.

2.0 DEFINITIONS OF TERMS USED IN THIS AGREEMENT

2.1 The term "Administration Commission" means the Governor and the Cabinet.

2.2 The term "affected person" means a host local government; an affected local government; any state, regional or federal agency; or a person who resides, owns property, or owns or operates a business within the boundaries of a host local government or affected local government,

2.3 The term "aggrieved or adversely affected person" means any person or local government Which will suffer an adverse effect to an interest protected or furthered by the local government comprehensive plan, including interests related to health and safety, police and fire protection service systems, densities or intensities of development, transportation facilities, health care facilities, equipment or services, or environmental or natural resources. The alleged adverse interest may be shared in common with other members of the community at large, but shall exceed in degree the general interest in community good shared by all persons.

2.4 The term "campus master plan" means a plan that meets the requirements of Subsections 1013.30(3)-(6), Florida Statutes.

2.5 The term "comprehensive plan" means a plan that meets the requirements of Section 163.3177 and Section 163.3178, Florida Statutes.

2.6 The term "concurrency" means that public facilities and services needed to support campus development are available when the impacts of such development occur.

2.7 The term "Context Area" means the boundaries of the Florida Polytechnic University Campus, and its impact area, as referenced in the Campus Master Plan. The Context Area has been identified and described on the map attached hereto as **Exhibit "A"** and incorporated herein by reference at Section 22 of this Agreement.

2.8 The term "development" means the carrying out of any building activity, the making of any material change in the use or appearance of any structure or land, or the dividing of land into three (3) or more parcels.

2.9 The term "development order" means any order granting, denying, or granting with conditions an application for a development permit.

2.10 The term "development permit" includes any building permit, zoning permit, subdivision approval, rezoning, certification, special exemption, variance, or any other official action of local government having the effect of permitting the development of land.

2.11 The term "force majeure" means acts of God, earthquakes, blizzards, tornados, hurricanes, fire, flood, sinkhole, malicious mischief, insurrection, riots, strikes, lockouts, boycotts, picketing, labor disturbances, landslides, explosions, epidemics, compliance with any court order, ruling, or injunction.

2.12 The term "Land Donation Agreement" means the written agreement entitled the "Amended and Restated Agreement for Donation of Land" agreed to and fully executed by and between the University and the Williams Acquisition Holding Company, Inc., a New Jersey corporation (hereinafter the "Williams Company"), effective March 1, 2007, as amended by that certain First Amendment to Amended and Restated Agreement for Donation of Land dated May 23, 2008, as further amended by that Second Amendment to Amended and Restated Agreement for Donation of Land dated June 20, 2012, in which the Williams Company consented to the assignment of the Land Donation Agreement to Florida Polytechnic University. A true and correct copy of the Land Donation Agreement, and the amendments, were delivered to the City.

2.13 The term "public facilities and services" means potable water, wastewater, solid waste, stormwater management, parks and recreation, roads, and public transportation facilities and services.

2.14 The term "state land planning agency" means the State of Florida Department of Economic Opportunity.

2.15 The term "structure" means anything constructed or erected which requires location on the ground or attachment to something having a fixed location on the ground, including but not limited to, principal and accessory buildings and surface and structured parking. For the purpose of this Agreement, sidewalks, landscape features, and other similar facilities shall not be considered to be structures.

2.16 The term "**University Campus**" means the Florida Polytechnic University campus, the geographical location of which is generally at the southwest corner of the interchange for Interstate 4 and the Polk Parkway, as identified within the Context Area Map attached hereto as **Exhibit "A"**. Both parcels owned by Florida Polytechnic University shall be referred to as the "**University Property**" and shall be subject to and benefit from the provisions of this Campus Development Agreement. Specifically, the separate parcels of the University Property may be individually identified as follows:

"**Parcel 1**"	-	Parcel Identification Number 252707000000014010
"**Parcel 2**"	-	Parcel Identification Number 242713000000012010

3.0 INTENT AND PURPOSE

3.1.1 This Agreement is intended to implement the requirements of concurrency contained in Subsections 1013.30 (11) - (15), Florida Statutes. It is the intent of the University and the City to identify impacts to potable water, wastewater, solid waste, stormwater management, parks and recreation, roads, and public transportation facilities and services and determine which

such facilities and services are available for new development and consistent with the level of service standards for these facilities as adopted in the City's comprehensive plan.

3.1.2 This Agreement is intended to address concurrency implementation and the mitigation of proposed campus development reasonably expected over the term of this Agreement on public facilities and services, including roads, wastewater, solid waste, stormwater management, potable water, parks and recreation and transportation facilities (as reflected in the Initial Campus Master Plan and the Approved Development Schedule attached as Exhibit "B" to the Initial Campus Development Agreement). The current extent of development associated with the impacts and mitigation, including by phase and total square footage, are those laid out in the Campus Master Plan summarized in **Exhibit "B"** ("**Approved Development Schedule**").

3.3 This Agreement is not intended to alter or limit the land uses, densities, intensities or site development, or environmental management standards to be applied to campus development.

4.0 GENERAL CONDITIONS

4.1 The conditions, terms, restrictions and other requirements of this Agreement shall be legally binding and strictly adhered to by the University and the City.

4.2 The University represents that it has full power and authority to enter into and perform this Agreement for the benefit of the University Campus in accordance with its terms and conditions without the consent or approval of any third parties, and this Agreement constitutes the valid, binding and enforceable agreement of the University.

4.3 The City represents that it has full power and authority to enter into and perform this Agreement in accordance with its terms and conditions without the consent or approval of any third parties. Further, the City represents that this Agreement has been duly authorized by the City and constitutes a valid, binding and enforceable contract of the City having been previously approved by a resolution adopted by the City and has been the subject of one or more duly noticed public hearings as required by Section 1013.30, Florida Statutes; applies to all requirements of law applicable to the City; and does not violate any other Agreement to which the City is a party, the Constitution of the State of Florida, or any charter, ordinance, judgment or other requirement of law to which the City is subject.

4.4 State and regional environmental program requirements shall remain applicable, as provided and as limited in Section 1013.30, Florida Statues.

4.5 Except as specifically referenced herein, no development permits, development orders, or development approvals shall be required by the City for construction projects subject to this Agreement, provided the proposed campus development is consistent with the Campus Master Plan and this 2017 Campus Development Agreement. The University does and shall continue to coordinate with the City's emergency response services with respect to any new building on the University Property to coordinate addresses and to provide additional information necessary for emergency response purposes. Additionally, the University acknowledges the City's future land use designation for Parcel 2 consists of Recreation (western portion of Parcel 2) and Conservation (eastern portion of Parcel 2) and hereby agrees that any proposed building or development on Parcel 2 will be compatible with those land use designations unless the University seeks a future land use map change through normal procedures for the same.

4.6 The University shall not construct, or allow to be constructed, any Billboards or Off-Premises Signs (as each are defined in the City of Lakeland Land Development Code as of the effective date of this Agreement) on the University Property, but is entitled to construct, or allow to be constructed, an On-Premises Sign or any other sign allowed under the City's Land Development Code.

4.7 In the event that all or a portion of a project identified in the Campus Master Plan should be destroyed by a fire, storm, or other force majeure, the Parties agree that the University, its grantees, successors and assigns, shall have the right to rebuild, alter and/or repair the structures and the performance of any obligations in this Agreement directly attributable thereto shall be automatically extended during such rebuilding, alteration and/or repairing so long as there is strict compliance with this Agreement and the campus development described in the Campus Master Plan. This provision and its extended timeframes shall apply only to that individual project or portion of that project destroyed.

4.8 This Agreement incorporates and includes all prior negotiations, correspondence, conversations, agreements or understandings applicable to the matters contained herein and the Parties agree that there are no commitments, agreements or understandings concerning the subject matter of this Agreement that are not contained in or incorporated into this Agreement, unless specifically stated as otherwise herein. Accordingly, it is agreed that no deviation from the terms hereof shall be predicated upon any prior representations or agreements, whether oral or written.

4.9 Upon execution of this Agreement, all campus development that is generally described in the Campus Master Plan may proceed without further review by the City so long as it is consistent with the terms of this 2017 Campus Development Agreement and the Campus Master Plan. The University hereby ensures the City that all construction of utilities by the University connected to or dependent upon the City's systems that will subsequently be owned, operated, or maintained by the City and either located on-site, or connected off-site, shall at minimum meet all of the same standards for construction as those the City normally requires for these same systems, which were in effect as of the effective date of this Agreement, as amended. For those utility systems that will be owned, operated, and maintained by the University and isolated from the City's systems as appropriate, the University ensures the City that these utility systems will meet all applicable state and federal regulations. Systems herein refer to any facility component of the following; wastewater, potable water and stormwater. The City hereby offers to provide timely review of any construction plans for such systems, should the University wish to coordinate those efforts.

4.10 If any part of this Agreement is contrary to, prohibited by or deemed invalid under any applicable law or regulation, such provisions shall be inapplicable and deemed omitted to the extent so contrary, prohibited, or invalid. The remainder of this Agreement shall not be invalidated thereby and shall be given full force and effect in accordance with the provisions of Section 1013.30(3) – (6), Florida Statutes.

4.11 In the event any campus development by the University is proposed beyond the boundaries of the University Campus, as defined in this Agreement and within the Context Area identified in Exhibit "A", such proposed campus development shall be subject to full concurrency and site review by the City. The University shall be required to mitigate any impacts of such proposed campus development beyond the Context Area.

4.12 The City shall notify the University of any development proposals within the City's jurisdictional limits which are located within one (1) mile from the University Property (the "City Notification Area") as reflected in the attached **Exhibit "C."**

4.13 It shall be expressly clear and understood that the principles to guide the use, location and timing of development identified in Exhibit "B" shall be those established in the Campus Master Plan and not in this 2017 Campus Development Agreement. Should the total square footage for each phase of the University development, as established in the Campus Master Plan and this 2017 Campus Development Agreement, not be available due to funding limitations, the balance may be built at a later time under this Agreement.

4.14 The University shall provide notice to the City within thirty (30) days after the acquisition of any real property other than the University Property that the University intends to utilize for capital improvements or other campus use. Any such acquisition shall require an update to the Campus Master Plan and this Campus Development Agreement as a condition precedent to utilizing such property for capital improvements or other campus use.

5.0 DURATION OF AGREEMENT

This Agreement shall become effective upon execution by the parties and shall remain in effect through December 31, 2026. This Agreement may be extended by the mutual consent of the Parties, as provided at Section 14.0 of this Agreement, since it is not anticipated that campus development, as proposed and identified in Exhibit "B", will be exceeded prior to that date. The Campus Master Plan will be updated in 2026 for the ten (10) years following that date to address proposed campus development and impacts of campus development on public facilities and services. The University shall provide a draft of any updated Campus Development Agreement to the City no later than six months prior to the 2026 expiration date, and shall strive to provide the draft to the City as early as possible before such expiration date.

6.0 GEOGRAPHIC AREA COVERED BY THIS AGREEMENT

The real property and geographical area subject to this Agreement is the University Property that is also identified in Figure 1.3 (Future Land Use Map) of Appendix 1 of the Campus Master Plan and on the Context Area identified in the map attached hereto as Exhibit "A".

7.0 DESCRIPTION OF PUBLIC FACILITIES AND SERVICES

The following public facilities and services are available to support development authorized under the terms of this Agreement.

7.1 Storm Water Management. Storm water management is available to the University through systems owned by the University and those owned by Williams Company, or its successors and assigns, that are located adjacent to and near the University Campus. It has been determined that adequate stormwater facilities will be available for the proposed campus development.

7.1.1 Any and all stormwater discharge from the University Campus will be provided by the Williams Company, and the necessary easements have been granted in favor of Florida Polytechnic University, as successor in interest to the University of South Florida, in accordance with the provisions of the Cross Easement Agreement by and between the University of South Florida Board of Trustees and the Williams Company recorded in in

Official Records Book 8640, Page 1485, public records of Polk County, Florida, as may be hereafter amended, and the Drainage Easement Agreement by and between the same parties recorded in Official Records Book 7943, Page 1295, public records of Polk County, Florida, as may be hereafter amended, each of which was entered into pursuant to the provisions of the Land Donation Agreement. The obligations of the Williams Company in the Cross Easement Agreement and the Drainage Easement specifically bind the successor owners of the Williams Company property.

7.1.2 The University will utilize the stormwater standards of the City of Lakeland, Southwest Florida Water Management District and those set forth in the Campus Master Plan.

7.1.4 The University shall mitigate stormwater generated within the Context Area and minimize stormwater-borne pollutants through the implementation of a system of "Best Management Practices" more particularly described in the Campus Master Plan.

7.2 Potable Water. Based upon University's estimated build out demand of 250,000 gallons per day ("gpd")(as otherwise outlined in the Initial Campus Master Plan and at Exhibit "B" to the Initial Campus Development Agreement), it has been determined that adequate potable water is available for the proposed campus development and the University is vested for such potable water capacity for the build-out of the University Campus pursuant to the Approved Development Schedule in the Initial Campus Development Agreement. In order to supply potable water to the University Campus, the City has provided a point of connection for its potable water lines within the Williams Company's property, which abuts the University Campus, and constructed adequate line extensions from the City's potable water line point of terminus within the Williams Company's property onto the University Campus. The University owns and operates all on-site potable water systems extending from the City of Lakeland's potable water line and back flow preventer on the University Campus to the University's internal system (the University's side of the system).

7.2.1 The potable water system is connected to the City's Water Utility system by master meter. The University may install sub-metering meters located in various points around the University Campus. For the University's use of potable water, the City shall invoice the University in one consolidated bill through the City's master billing system.

7.2.2 The potable water distribution system shall also provide fire protection, as provided in the Campus Master Plan.

7.2.3 The University agrees to a recommendation offered by the City, to prohibit the use of potable water for irrigation purposes and will seek to do so except in the event of an emergency. Therefore, the University will establish wells, re-use stormwater, reuse effluent wastewater, if available, or utilize some other alternative in providing landscape irrigation for the University Campus. The University has entered into an agreement with the City of Auburndale regarding the provision of reclaimed water to the University Campus for irrigation and other non-potable water purposes.

7.2.4 The University agrees to prepare and promote a water conservation program using, among other techniques, xeric landscaping techniques, sub-metering water usage, utilizing rain sensitive irrigation systems as described in the Campus Master Plan.

7.2.5 The water distribution system shall be designed to segregate waters intended for potable use and waters intended for irrigation purposes.

7.2.6 The University has agreed, but was not required, to participate with the City of Lakeland on a redundant, emergency water line extension and interconnection ("Redundant Water Line Interconnection") with the City of Auburndale's potable water system to improve the reliability and safety of the supply of potable water to the University Campus, provided that it is acknowledged that the University has 250,000 GPD in vested potable water capacity for the University Campus (the "Vested Potable Water Capacity"), that the Redundant Water Line Interconnection is not a potable water capacity project and that the University is not required to participate, with respect to any of the University Property, in future potable water capacity improvement projects as long the University does not exceed its Vested Potable Water Capacity, provided that the University will be responsible for the costs of any line extensions that may be necessary to provide potable water service to a University facility on Parcel 2.

7.3 Wastewater. It has been determined that adequate wastewater treatment and wastewater services are available for the proposed campus development as provided in the Campus Master Plan and that the University has 240,000 GPD in vested wastewater capacity for such wastewater treatment and wastewater services for the build-out on any of the University Property, pursuant to the Approved Development Schedule in the Initial Campus Development Agreement, provided that the University will be responsible for the costs of any line extensions that may be necessary to provide wastewater service to a University facility on Parcel 2. In order to supply wastewater treatment and wastewater services to the University Campus, the University constructed an adequate line extension from the City's wastewater force main point of terminus within the Williams Company's property onto the University Campus. The University connected to the line extension with a wastewater lift station. The University owns and operates the University Campus wastewater lift station and all on-site wastewater systems extending from the City of Lakeland's force main (the University's side of the wastewater system). Properties owned by the University that are not contiguous to the primary campus may require participation in future wastewater capacity or extension projects.

7.3.1 For billing purposes, of the City's wastewater treatment and wastewater services, the University will utilize a flow meter for measuring service.

7.3.2 The University will coordinate with the City to maintain a reliable, effective collection and transmission system for all wastewater generated by the University Campus and to do so in an environmentally safe manner, as prescribed in the Campus Master Plan.

7.4 Solid Waste. It has been determined that adequate solid waste collection and disposal services are available to the University Property. Solid waste collection and disposal services to the University Property will be provided by the City or a private service provider in accordance with a determination by the University regarding which provider best addresses the needs of the University.

7.4.1 Solid waste shall be collected and transported to the Polk County Landfill or other appropriate designated solid waste collection site by the City or private provider.

7.4.2 Solid waste collection and disposal services shall be made available to the University Campus under a separate agreement with the City or private provider. The University shall notify the City Solid Waste Division anytime the University makes an open market request for proposals for solid waste service contracts. In the event that the City Solid Waste Division provides all of the solid waste collection and disposal services that are required by the University and provides reasonably comparable prices to those offered by private vendors, the

University shall, at the conclusion of any then-existing solid waste service contract with a private provider, and as long as such services are provided at reasonably comparable prices to those offered by private vendors, consider the City's Solid Waste Division for solid waste collection and disposal services.

7.4.3 The University shall establish procedures to reduce the volume of solid waste generated on the University Campus and encourage recycling and reuse programs, as provided in the Campus Master Plan. Various recycling services may be available and provided by the City or private provider to the University Lakeland Campus depending upon the type, nature, and demand of the collection services required. The City and the University further agree that any future recycling services at the University Campus between the City's Solid Waste Department, or a private provider, and the University shall be provided under a separate agreement.

7.4.4 The University has agreed that it shall meet state and federal regulations in the collection and transportation of its hazardous wastes and materials, as provided in the Campus Master Plan. The City will not be providing this service.

7.4.5 To the extent that the University establishes solid waste facilities on the University Campus, the University agrees that those facilities would meet and be compliant with the City's minimum standards, which were in effect as of the effective date of this Agreement, as amended.

7.5 Parks and Recreation. The University Campus will provide its own active recreational facilities and programs. The University will continue to provide recreational facilities to support its existing and future needs. The location and characteristics of these areas have been documented in the Conservation, Future Land Use, and Recreational and Open Space elements of Campus Master Plan. The City and University further agree that any future joint use or development of park and recreational facilities and programs at the University Campus between the City's Parks and Recreation Department and the University shall be provided under a separate agreement.

7. 6 Transportation.

7.6.1 Pedestrian and Non-Vehicular Circulation. A goal identified in the Campus Master Plan is to accommodate pedestrian and non-vehicular circulation, as well as "open spaces" to strengthen the functional and aesthetic nature of pedestrian movement on the University Campus. To the extent possible, the University shall coordinate with the City in the systematic implementation and integration of on-campus pedestrian and bicycle facilities to ensure continuity of such facilities with the City's system of pedestrian / bicycle facilities.

7.6.2 Roads and Vehicular Circulation. The on-campus roadways have not been functionally classified by the University. Off-campus access to the University Campus is achieved via the University Boulevard and Research Way.

7.6.2.1 A complete list of road segments within the context area, their functional classification and level of service standards, are provided herein:

Road	Adopted LOS	Classification
1. SR 570 (Polk Pkwy)	C	Principal Arterial
2. SR 659 (Combee Rd)	D	Minor Arterial

3.	Interstate 4	C	Principal Arterial
4.	SR 33 (Commonwealth Blvd)	E	Minor Arterial
5.	CR 546 (Saddle Creek Road)	D	Minor Arterial

8.0 LEVEL OF SERVICE STANDARDS ESTABLISHED BY THE CITY

The City has established and adopted as part of its comprehensive plan the following level of service standards for public facilities and services:

8.1 Storm Water Management. The City has established level of service standards for stormwater management to ensure that the volume, rate, timing and pollutant load which exists after development or redevelopment of a site are similar to or better than drainage characteristics which existed prior to development. Storm water facilities should be able to accommodate the largest amount of rainfall that can be expected during any 25-year frequency, 24-hour duration storm event. (See the City's Comprehensive Plan, Infrastructure Element, Policy 4.2D).

8.2 Potable Water. The City's level of standard for potable water is to provide average daily flow of 150 gallons per capita per day (or "gpcd"). Its minimum flow pressures are also set for 20 pounds per square inch (or "psi") for fire flow events and 30 psi for peak demand periods. (See the City's Comprehensive Plan, Infrastructure Element, Policy 1.3).

8.3 Wastewater. The City's level of service standard for wastewater collection and treatment is 128 gpcd. These standards are in compliance with all standards of the U.S. Environmental Protection Agency and Florida Department of Environmental Protection. (See the City's Comprehensive Plan, Infrastructure Element, Policy 2.1G).

8.4 Solid Waste. The City's level of service standard for solid waste collection is 5.4 pounds per capita per day. (See the City's Comprehensive Plan, Infrastructure Element, Policy 3.1D).

8.5 Parks and Recreation. The City's adopted level of service standards for the provision of recreation sites and facilities including a minimum 5.98 acres of park/open space (scenic, neighborhood and community parks) per 1,000 population with 50% of this acreage in active facilities, one community park/25,000 population and one neighborhood park/6,500 population and a minimum of one (1) recreation complex per 30,000 population. (See the City's Comprehensive Plan, Recreation and Open Space Element, Policy 1A).

8.6 Public Transportation.

8.6.1 Pedestrian and Non-Vehicular Circulation. The City has no established level of service standards for pedestrian and non-vehicular circulation. However, the City engineering standards include a typical section for new roads with sidewalks and bike lanes and city regulations address access management and site circulation. The City will work with the Polk Transportation Planning Organization and Florida Department of Transportation to identify locations where sidewalks and bicycle lanes should be included on State and County highway improvements with the City. (See the City's Comprehensive Plan, Transportation Element, Policy 5C).

8.6.2 Roads and Vehicular Circulation. The City has established level of service standards for roadways within the City's jurisdiction. The level of service by segment is listed in the Campus Master Plan Supporting Inventory and Analysis Report, dated August 2006, Table 11.2.

9.0 FINANCIAL ARRANGEMENTS BETWEEN THE UNIVERSITY AND SERVICE PROVIDERS

The University entered into the following financial arrangements for the provision of public facilities and services necessary to support the continued growth and development of the University Campus:

9.1 Storm Water Management. There are no financial arrangements between the University and the City or any other entity for the provision of stormwater management facilities or services to the University Campus as the University has designed, permitted and constructed, in conjunction with the Williams Company, the necessary stormwater management system, including, without limitation, stormwater attenuation ponds and stormwater conveyance system in accordance with the regulations of and a permit from the Southwest Florida Water Management District. The stormwater management system is sufficient to address the stormwater management needs for the Approved Development Schedule, as reflected in the Updated Campus Master Plan, because the amount of impervious surface for the updated Approved Development Schedule is the same or smaller than that of the previously approved development schedule in the Initial Campus Master Plan. The University continues to update and modify its SWFWMD permit as it constructs capital improvements on the University Property.

9.2 Potable Water. The University will pay the current base charge plus a rate per 1000 gallons for the provision of potable water facilities or service to the University Campus. This charge, as may be adjusted from time to time, is payable to the City.

9.3 Wastewater. The University will pay the current base charge plus a rate per 1000 gallons for the provision of wastewater facilities or service to the University Campus. This charge, as may be adjusted from time to time, is payable to the City.

9.4 Solid Waste. The University will pay the prevailing rate per unit of measurement for solid waste collected from the University Campus and delivered to disposal facilities.

9.5 Parks and Recreation. There are currently no financial arrangements between the University and the City or any other entity for the provision of parks and recreation facilities or services to the University Campus as the University has provided parks and recreation facilities and services on campus for its student population.

9.6 Public Transportation.

9.6.1 Pedestrian and Non-Circulation. There are currently no financial arrangements between the University and the City or any other entity for the provision of pedestrian and non-vehicular circulation for the University Campus.

9.6.2 Roads and Vehicular Circulation. The University has provided funding in the amount of $5,096,906.00 to the City.

10.0 IMPACTS OF CAMPUS DEVELOPMENT ON PUBLIC FACILITIES AND SERVICES AND IMPROVEMENTS REQUIRED TO MAINTAIN LEVELS OF SERVICE

In order to meet the City's concurrency requirements, the construction of the following off-campus improvements shall be required.

10.1 Storm Water Management. The University and the City agree that campus development proposed in the Initial Campus Master Plan and identified in the Approved Development Schedule in Exhibit "B" to the Initial Campus Development Agreement, will not degrade the operating conditions for off-campus stormwater management facilities below the level of service standards adopted by the City. The University and the City agree that there is sufficient stormwater management facility capacity to accommodate the impacts of campus development proposed in the Initial Campus Master Plan to meet the future needs of the University for the duration of this Agreement. The University and the City further agree that no off-campus stormwater management improvements need to be provided to maintain the City's adopted level of service standard for stormwater management.

10.1.1 The University has agreed to provide full water quality treatment for the portion of the University Campus within the context area that lies north of Research Way, in accordance with the permitting requirements of Southwest Florida Water Management District and the City.

10.1.2 Drainage from the University Campus shall be designed to either bypass stormwater attenuation ponds located on the Williams Company's property and be conveyed to a designated and approved outfall location, or be conveyed into the stormwater attenuation ponds located on the Williams Company's property. If the stormwater is conveyed into the stormwater attenuation ponds on the Williams Company's property, water quality treatment and stormwater attenuation will be provided within these ponds.

10.2 Potable Water. The University and the City agree that campus development proposed in the Initial Campus Master Plan and the Approved Development Schedule in Exhibit "B" to the Initial Campus Development Agreement, will not degrade the operating conditions for off-campus potable water facilities below the level of service standards adopted by the City. The University and the City agree that there is sufficient potable water facility capacity to accommodate the impacts of campus development proposed in the Initial Campus Master Plan to meet the future needs of the University for the duration of this Agreement, and that the University is vested for all such necessary capacity. The University and the City further agree that no off-campus potable water improvements need to be provided to maintain the City's adopted level of service standard for potable water. The University has connected to the City of Lakeland potable water system point of service at its expense.

10.3 Wastewater. The University and the City agree that campus development proposed in the Initial Campus Master Plan and the Approved Development Schedule in Exhibit "B" to the Initial Campus Development Agreement, will not degrade the operating conditions for off-campus wastewater facilities below the level of service standards adopted by the City. The University and the City agree that there is sufficient wastewater facility capacity to accommodate the impacts of campus development proposed in the Initial Campus Master Plan to meet the future needs of the University for the duration of this Agreement, and that the University is vested for all such capacity. The University and the City further agree that no off-campus wastewater improvements need to be provided to maintain the City's adopted level of service standard for wastewater service. The University has connected to the City's wastewater system point of service at its expense.

10.4 Solid Waste. The University and the City agree that campus development proposed in the Initial Campus Master Plan and the Approved Development Schedule in Exhibit "B" to the Initial Campus Development Agreement, will not degrade the operating conditions for off-campus solid waste facilities below the level of service standards adopted by the City. The University and the City agree that there is sufficient solid waste facility capacity to accommodate the impacts of campus development proposed in the Initial Campus Master Plan to meet the future needs of the University for the duration of this Agreement, and that the University is vested for all such capacity. The University and the City further agree that no off-campus solid waste improvements need to be provided to maintain the City's adopted level of service standard for solid waste.

10.5 Parks and Recreation. The University and the City agree that campus development proposed in the Initial Campus Master Plan and the Approved Development Schedule in Exhibit "B" attached to the Initial Campus Development Agreement, will not degrade the operating conditions for off-campus open space and recreation facilities below the level of service standards adopted by the City. The University and the City agree that there is sufficient open space and recreation facility capacity to accommodate the impacts of campus development proposed in the Initial Campus Master Plan to meet the future needs of the University for the duration of this Agreement, and that the University is vested for such capacity. The University and the City further agree that no off-campus open space and recreation improvements need to be provided to maintain the City's adopted level of service standard for open space and recreation. The City's desire for any future or temporarily shared recreational uses on the University Campus or other real property owned by the University shall be provided under a separate agreement.

10.6 Transportation.

10.6.1 Pedestrian and Non-Vehicular Circulation. The University and the City agree that campus development proposed in the Initial Campus Master Plan and the Approved Development Schedule in Exhibit "B" attached to the Initial Campus Development Agreement, will not degrade the operating conditions for off-campus pedestrian and non-vehicular circulation facilities below the level of service standards adopted by the City. The University and the City agree that there is sufficient pedestrian and non-vehicular circulation facility capacity to accommodate the impacts of campus development proposed in the Initial Campus Master Plan to meet the future needs of the University for the duration of this Agreement. The University and the City further agree that no off-campus pedestrian and non-vehicular circulation facilities improvements need to be provided to maintain the City's adopted level of service standard for pedestrian and non-vehicular circulation facilities.

10.6.2 Roads and Vehicular Circulation.

(a) The University and the City agree that the campus development proposed in the Initial Campus Master Plan and the Approved Development Schedule in Exhibit "B" attached to the Initial Campus Development Agreement, will cause or contribute to certain deficiencies (degradation of operating conditions below the level of service standards adopted by the City) on the following roadway segments:

	Road	Link	From	To
(1)	SR 33	5062Na	I-4 @ Socrum Loop Rd	CR659
		5062Nb	I-4 @ Socrum Loop Rd.	CR659

(2)	SR 33	5062Nb	CR 659	Univ. Blvd.
		5062 Sb	CR 659	Univ. Blvd.
(3)	SR 33	5062Nc	University Blvd.	I-4
		5062Nc	University Blvd.	I-4

The University's contribution was committed to and has been substantially applied to the needed improvement of State Road 33 (S.R. 33), including widening to 4 lanes and operational improvements at the Interstate 4 entrance/exit ramps.

The University and the City agree that all other roadway segments, excluding those provided herein, will operate within acceptable levels of service in the presence of additional traffic generated by the University.

(b) The University and the City further agree that road and vehicular circulation facility capacity is insufficient to accommodate the impacts of development proposed in the Initial Campus Master Plan and the Approved Development Schedule in Exhibit "B" attached to the Initial Campus Development Agreement and meet the further needs of the University for the duration of this Agreement. The University and the City further agree that the following road and vehicular circulation improvements are required, so long as the improvements(s) are also included in the adopted Polk Long-Range Transportation Plan:

	Road	Link	From	To
(1)	SR 33	5062Na	I-4 @ Socrum Loop Rd	CR659
		5062Nb	I-4 @ Socrum Loop Rd.	CR659
(2)	SR 33	5062Nb	CR 659	Univ. Blvd.
		5062 Sb	CR 659	Univ. Blvd.
(3)	SR 33	5062Nc	University Blvd.	I-4
		5062Nc	University Blvd.	I-4

See the provision in paragraph 11.6.2(a) below regarding the University's satisfaction of the Roads and Vehicular Circulation deficiencies. The University and the City further agree that no other roads and vehicular circulation improvements, excluding those provided herein, need to be provided to maintain the City's adopted level of service standards for roads and vehicular circulation facilities. Transit services shall be subject to a separate agreement, if needed, between the University and the provider, which is not the City.

10.6.3 The City acknowledges that the University has transportation concurrency with respect to the Approved Development Schedule and is not subject to Transportation Demand Management mitigation requirements of the City of Lakeland Land Development Code. The University agrees, in coordination with the City to, monitor various ridesharing and multi-modal services, consider alternative transportation modes to address student and employee demand, and annually share information with students and employees regarding the availability of such alternative transportation modes.

10.6.4 While the University is not obligated to locate a transit transfer center on the University Property, the University shall coordinate with the City and neighboring property owners to locate such center and/or park and ride lot as referenced in the Williams Development Order and the 2012 Park and Ride Feasibility Study prepared by the Polk TPO, provided that such coordination shall be at no capital cost to the University and shall not include any obligation to locate any such improvements on the University Property.

10.7 The University will participate with the City and State agencies in any discussion related to the effort to establish a wildlife corridor in an area near the western boundary of Parcel 2 that may impact the University Property.

11.0 FINANCIAL ASSURANCES FOR PUBLIC FACILITIES

The following financial assurances are provided by the University to guarantee the University's pro-rata share of the costs of improvements to public facilities and services necessary to support campus development, as proposed in the Initial Campus Master Plan and the Approved Development Schedule in Exhibit "B" attached to the Initial Campus Development Agreement.

11.1 Storm Water Management. The University and the City agree that no off-campus stormwater management improvements need to be assured by the University to maintain the City's adopted level of service standards for storm water management.

11.2 Potable Water. The University and the City agree that no off-campus potable water improvements need to be assured by the University to maintain the City's adopted level of service standards for potable water. The University has connected to the City of Lakeland potable water system point of service at its expense.

11.3 Wastewater. The University and the City agree that no off-campus wastewater improvements need to be assured by the University to maintain the City's adopted level of service standards for wastewater. The University has connected to the City of Lakeland wastewater system point of service at its expense.

11.4 Solid Waste. The University and the City agree that no off-campus solid waste improvements need to be assured by the University to maintain the City's adopted level of services standards for solid waste.

11.5 Parks and Recreation. The University and the City agree that no off-campus parks and recreation improvements need to be assured by the University to maintain the City's adopted level of service standards for parks and recreation.

11.6 Public Transportation.

11.6.1 Pedestrian and Non-Circulation. The University and the City agree that no off-campus public transportation improvements concerning pedestrian and non–vehicular circulation need to be assured by the University to maintain the City's adopted level of service standards for public transportation, including multi-modal level of service. In the event that the University enters into an agreement with a third-party transit provider, it shall provide a fully executed copy of any such agreement to the City upon request.

11.6.2 Roads and Vehicular Circulation.

(a) The University and the City agree that the University's responsibility for paying its fair share to mitigate the deficiencies identified in Section 10.6.2 has been met by the University's payment to the City of Lakeland of its total fair share cost in the amount of $5,029,906.00:

(1) The University provided funding in the amount of $2,498,751.00 to the City for I-4 @ Socrum Loop Road to CR 659.

(2) The University provided funding in the amount of $1,825,046.00 to the City for CR 659 to University Boulevard (Williams DRI Roadway).

(3) The University provided funding in the amount of $706,110.00 to the City for University Boulevard to I-4 (Exit 33).

(b) The University and the City agree that the University's responsibility for paying its fair share of the costs of improvements identified in Section 10.6.2 of this Agreement was met by providing funding to support the following roadway improvements, the total cost of which does not exceed the University total fair share cost of $67,000.00:

(1) The University provided funding in the amount of $35,000.00 for an alignment study for State Road 33.

(2) The University provided funding in the amount of $32,000.00 for two mast arm traffic signals at the I-4 ramps.

11.7 University's Fair Share; University Concurrency Trust Fund.

11.7.1 The Florida Board of Governors encumbered the University Concurrency Trust Fund, and the University paid the City of Lakeland the amount of $5,096,906.00, which constituted the University's share of the costs of improvements identified in Sections 11.6.2 herein and in Florida law.

11.7.2 The University has paid its fair share for any deficiencies, as defined in Section 1013.30(11)(e), Florida Statutes, as required in Section 1013.30(13), Florida Statutes, such that all concurrency management responsibilities of the University have been fulfilled, with respect to the Initial Campus Master Plan and the Approved Development Schedule attached as Exhibit "B" to the Initial Campus Development Agreement, as required in Section 1013.30 (d), Florida Statutes.

11.7.3 All of the University financial obligations identified and described herein are subject to availability of funds from an appropriation by the Florida Legislature for such purposes.

12.0 CONCURRENCY VESTING FOR DEVELOPMENT

12.1 The development being vested from concurrency is identified in the Initial Campus Master Plan and the Approved Development Schedule in Exhibit "B" attached to the Initial Campus Development Agreement given that the University paid the City of Lakeland for the impacts related to such initially Approved Development Schedule. Any amendment or extension to this Agreement or subsequent development agreements shall recognize development

identified in the Initial Campus Master Plan and the Approved Development Schedule attached as Exhibit "B" to the Initial Campus Development Agreement as vested from concurrency by this Agreement, and that development which remains unbuilt shall remain vested from the City's concurrency requirements. Development not included in the Initial Campus Master Plan and the Approved Development Schedule in Exhibit "B" to the Initial Campus Development Agreement, and any amendments in accordance with 1013.30, Florida Statutes, shall be subject to the City's concurrency requirements and the University shall be required to mitigate any impacts of such additional development as may be required under Florida law.

12.2 The University and the City agree that the deficiencies identified in Section 10.6 of this Agreement, the improvements identified in Sections 11.6 of the Agreement, and the University's fair share identified in Section 11.6 of this Agreement and paid by the University to the City of Lakeland, are based upon the projected impacts of campus development, as proposed in the Initial Campus Master Plan and identified as the Approved Development Schedule in Exhibit "B" attached to the Initial Campus Development Agreement.

12.3 The University and the City agree that the University fulfilled all concurrency responsibilities with regard to the total square footage, as identified in Initial Campus Master Plan and the Approved Development Schedule in Exhibit "B" to the Initial Campus Development Agreement, by securing funds from the University Concurrency Trust Fund as specified in Section 11.7 and the payment of the fair share identified in Section 11.6 of this Agreement. The Approved Development Schedule attached as Exhibit "B" to the Initial Campus Development Agreement may proceed without any further local government review so long as it is consistent with the Initial Campus Master Plan and the Initial Campus Development Agreement. The City has applied the University's fair share contribution towards the University's concurrency responsibilities.

12.4 The uses, maximum densities, and intensities for development identified in Approved Development Schedule in Exhibit "B" to the Campus Development Agreement shall be those established in the Campus Master Plan, provided that the University may shift uses, densities, and intensities for development as long as the total uses as build-out do not exceed the overall development allowed in the Approved Development Schedule attached as Exhibit "B" to the Campus Development Agreement and the Initial Campus Master Plan. Maximum building heights shall be developed in accordance with fire pressure standards for multi-story buildings contained within the Florida Building Code and the Florida Fire Prevention Code.

12.5 The City agrees to vest from its concurrency requirements the campus development identified in Initial Campus Master Plan and the Approved Development Schedule in Exhibit "B" to the Initial Campus Development Agreement located within the Context Area for the duration of this Agreement. The University shall comply with all the terms and conditions of this Agreement.

13.0 APPLICABLE LAWS.

13.1 The state government law and policies regarding concurrency and concurrency implementation governing this Agreement shall be those laws and policies in effect at the time of approval of this Agreement.

13.2 If state or federal laws are enacted subsequent to execution of this Agreement, which are applicable to or preclude either party's compliance with the terms and conditions of this Agreement, this Agreement shall be modified or revoked or amended, as necessary, to comply with the relevant state or federal laws.

14.0 AMENDMENT

14.1 This Agreement may be amended as provided in Section 1013.30, Florida Statutes, in conjunction with any amendment to the Campus Master Plan for any real property covered by this Agreement, as provided at Section 6.0 herein.

14.2 This Agreement may be amended subject to approval by both parties if either party delays by more than twelve (12) months the construction of a capital improvement identified in this Agreement.

14.3 Requests for amendment of this Agreement shall be made in accordance with the notification requirements set forth in Section 21.0 of this Agreement.

14.4 It is further agreed that no modification, amendment, or alteration in the terms or conditions contained herein shall be effective unless contained in a written document approved and executed by all the Parties hereto.

14.5 In the event of a dispute arising from the implementation of this Agreement, both parties shall resolve the dispute in accordance with the dispute resolution requirements set forth in Section 17.0 of this Agreement.

15.0 CONSISTENCY WITH ADOPTED COMPREHENSIVE PLANS

The City finds that this Agreement and the Approved Development Schedule identified in Exhibit "B" attached hereto are consistent with the City's Comprehensive Plan.

16.0 ENFORCEMENT

Any party to this Agreement, or aggrieved or adversely affected person, may file an action for injunctive relief in the Circuit Court where the City is located to enforce the terms and conditions of this Agreement, or to challenge the compliance of the Agreement with Section 1013.30, Florida Statutes. This action shall be the sole and exclusive remedy of an aggrieved or adversely affected person other than a party to the agreement to enforce any rights or obligations arising from this Agreement.

17.0 DISPUTE RESOLUTION

17.1 In the event of a dispute arising from the implementation of this Agreement, the Parties shall schedule a meeting in an effort to resolve such dispute. In the event that the Parties are unable to resolve such dispute at such meeting, the Parties shall address the dispute pursuant to the requirements of Section 1013.30(17), Florida Statutes.

17.2 Each party shall be responsible for all costs and fees payable to the mediator selected by it and shall equally bear responsibility for the costs and fees payable to the third mediator for services rendered and costs expended in connection with resolving issues in dispute.

17.3 If either the University or the City rejects the mediator's written recommended resolution of the dispute, the matter shall be forwarded to the state land planning agency which, pursuant to Subsection 1013.30(16), Florida Statutes, has sixty (60) days to hold informal hearings, if necessary, identify remaining issues in dispute, prepare a record of the proceedings, and submit the matter to the Administration Commission for final action. The report to the Administration Commission shall list each issue in dispute, describe the nature and basis of

each dispute, identify alternative resolutions of each dispute, and make recommendations. The Administration Commission shall then take action to resolve the issues in dispute. In resolving this matter, the Administration Commission may, pursuant to Subsection 1013.30(16), Florida Statutes, prescribed by order the contents of this Agreement.

18.0 MONITORING AND OVERSIGHT

18.1 The City may, upon advanced notice provided to the University, review all relevant information concerning campus development activity on the University Campus, including an inspection of any utility systems located on the University Campus, to verify that the terms of this Agreement are satisfied. The City's requests for access for review of information and/or inspection of utility systems shall be made in advance and such entry shall be scheduled for a time reasonably convenient to the University. However, in the case of an emergency, such right of access shall be immediate. During any inspection by the City, as contemplated in this section, should the City locate and determine that there is an issue or problem with a utility system on the University Campus, the City shall notify the University in writing, in a timely manner, about the issue or problem for the University to evaluate and correct, should it also deem such repair necessary and appropriate. The University shall provide a central point of contact for all emergency and non–emergency matters as may apply to the City's review of campus development activity and/or inspection of a relevant utility system, as contemplated in this section. For all the City's efforts related to its inspection of utility systems on the University Campus, as contemplated by this section, the City agrees that it shall indemnify and hold harmless the University against all liability. Not less than once every twelve (12) months, University shall provide to the City campus development information which demonstrates good faith compliance with the terms of this Agreement. As used in this section, required campus development information shall consist of a statement of compliance with this Agreement; the total enrollment and total faculty, the total square footage completed for each land use for the reporting year; and over the life of this Agreement.

18.2 The University may upon request review all relevant information concerning campus development activity by the City to verify that improvements identified in Section 11.6 of this Agreement funded by the State University System Concurrency Trust Fund that address impacts of campus development have been implemented consistent with the terms and conditions of this Agreement. Not less than once every twelve (12) months, through the completion of any required improvements, the City shall provide project information to the University which demonstrates good faith compliance with the terms of this Agreement. As used in this section, required project information shall consist of a statement of compliance with this Agreement, and a report on the status of those improvements identified in Section 11.6 of this Agreement.

18.3 If either party finds that there has been a failure to comply with the terms of this Agreement, the aggrieved party shall serve notice on the other that such failure to comply has occurred in accordance with the notification requirements set forth in Section 21.0 of this Agreement.

18.4 Disputes that arise in the implementation of this Agreement shall be resolved in accordance with the provisions of Section 17.0 herein.

19.0 SUCCESSORS AND ASSIGNS

This Agreement shall be binding upon the Parties hereto, their successors in interest, heirs, assigns and personal representative.

20.0 RECORDING OF THIS AGREEMENT.

This Agreement shall be recorded by the University in the official records with the Clerk of the Court in and for Polk County, Florida, within seven (7) days of the Agreement's execution by all Parties. A copy of the recorded Agreement shall be forwarded to the state land planning agency by the University within fourteen (14) days after the Agreement's execution by all Parties and a copy shall be provided to the City.

21.0 NOTICES

21.1 All notices, demands, requests to replies provided for or permitted by this Agreement shall be in writing and may be delivered by any of the following methods:

(a) By personal service or hand-delivery;
(b) By registered or certified mail;
(c) By email transmission; or
(d) By deposit with an overnight express delivery service

21.2 Notices by personal service or delivery or email transmission shall be deemed effective at the time of personal delivery or email transmission (unless such email transmission does not occur between 8:00 a.m. and 5:00 p.m. on a business day that is not a holiday observed by the federal government or the State of Florida, in which case the notice shall be deemed effective on the next business day that is not a holiday observed by the federal government or the State of Florida). Notices by registered or certified mail shall be deemed effective three (3) business days after deposit with the United States Postal Services. Notices by overnight express delivery service shall be deemed effective one (1) business day after deposit with the overnight express delivery service.

For the purpose of notice, the address of the City shall be:

City Manager
City of Lakeland
228 S. Massachusetts Ave.
Lakeland, Florida 33801
Anthony.delgado@lakelandgov.net

With a copy to:

City Attorney
City of Lakeland
228 S. Massachusetts Ave.
Lakeland, Florida 33801
Timothy.mccausland@lakelandgov.net

With a second copy to:

Community Development Director
City of Lakeland
228 S. Massachusetts Ave.
Lakeland, Florida 33801
Email: _____

The address for Florida Polytechnic University shall be:

Office of the President
Florida Polytechnic University
4700 Research Way
Lakeland, Florida 33805
Email: _____

With a copy to:

Chief Financial Officer
Florida Polytechnic University
4700 Research Way
Lakeland, Florida 33805
Email: _____

With a second copy to:

Office of the General Counsel
Florida Polytechnic University
4700 Research Way
Lakeland, Florida 33805
rdeiulio@flpoly.org

22.0 EXHIBITS AND SCHEDULES

The Exhibits and Schedules to this Agreement consist of the following, all of which are incorporated into and form a part of this Agreement:

(a) Attached hereto as Exhibit "A" is a copy of the "Context Area Map" which describes the geographic boundaries of the University Campus, and its impact area from the Campus Master Plan, as otherwise described and identified at Section 2.7 of this Agreement.

(b) Attached hereto as Exhibit "B" is a summary of the Approved Development Schedule including the total square footage as provided in the Campus Master Plan.

(c) Attached hereto as Exhibit "C" is a copy of the "City Notification Area Map" which describes an area within the City's jurisdictional limits, where the City has agreed to notify the University of any development proposals, as otherwise described and identified at Section 4.11 of this Agreement.

(The Remainder of this page has been intentionally left blank.)

IN WITNESS THEREOF, the Parties have set their hands and sealed on the day and year indicated.

On the _____ day of _____, 2017, The Florida Polytechnic University Board of Trustees, a public body corporate of the State of Florida, on behalf of Florida Polytechnic University, at a regularly scheduled and noticed public meeting, approved and authorized the execution of this Agreement.

Signed, sealed and delivered in the presence of:

WITNESS

By: _____
Signature

_____
Printed Name

WITNESS

By: _____
Signature

_____
Printed Name

The Florida Polytechnic University Board of Trustees, a public body Corporate of the State of Florida, on behalf of Florida Polytechnic University

By: _____
Signature

_____
Printed Name

As its: _____

Date: _____

APPROVED AS TO FORM AND LEGALITY

Gina DeIulio, General Counsel
Florida Polytechnic University

By: _____
Signature

Date: _____

APPROVED by the City Commission on this _____ day of _____, 2017.

On the _____ day of _____, 2017, the City Commission for the City of Lakeland, at a regularly scheduled and noticed public meeting, approved and authorized the execution of this Agreement.

ATTEST:

Kelly Koos,
Clerk of the Lakeland City Commission

By: _____
Signature

Date: _____

City Commission for the City of
Lakeland, Florida

By: _____
Signature

_____
Printed Name

As its: _____

Date: _____

APPROVED AS TO FORM AND LEGALITY

Timothy McCausland, City Attorney
City of Lakeland

By: _____
Signature

Date: _____

EXHIBIT "A" - CONTEXT AREA MAP

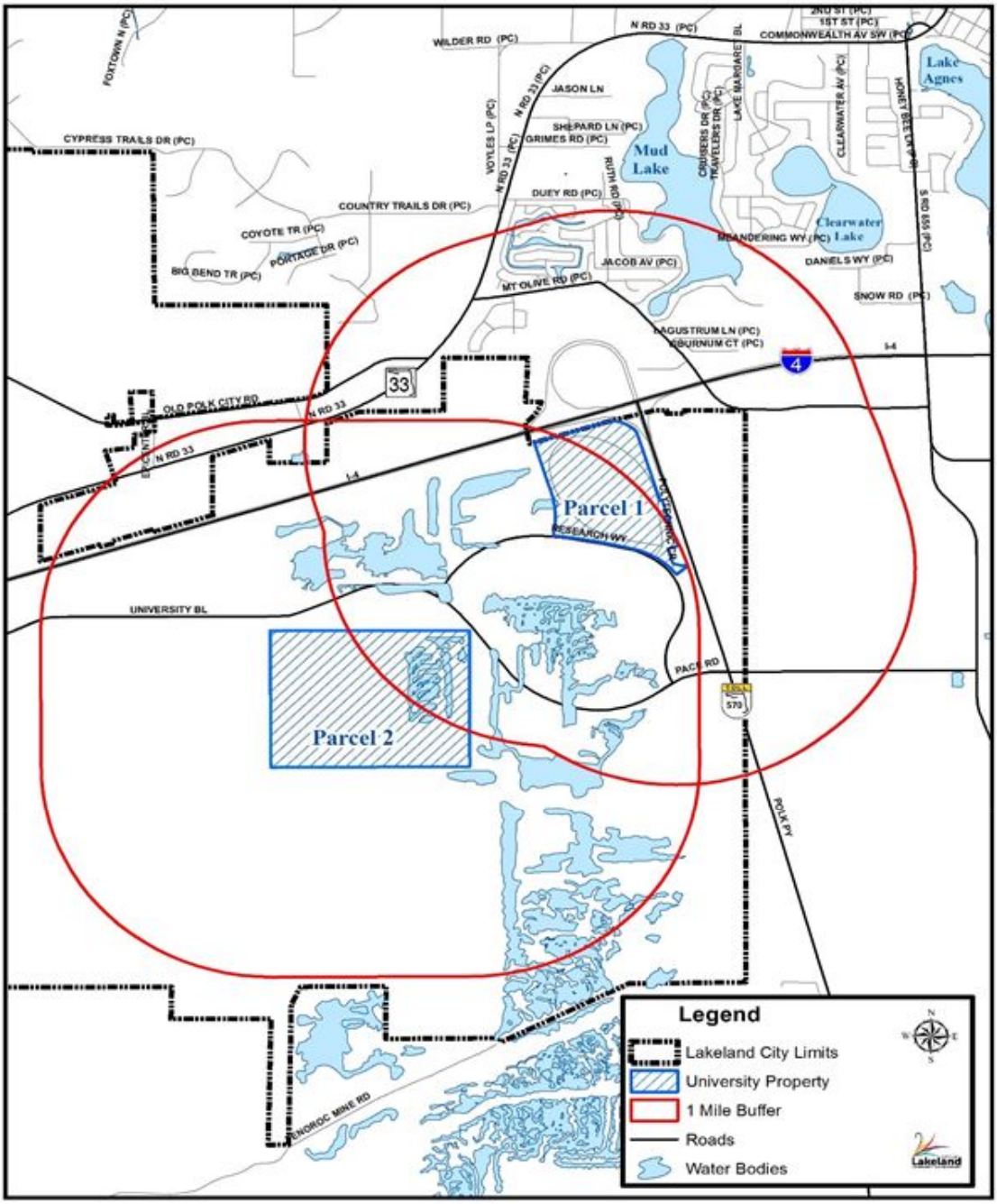


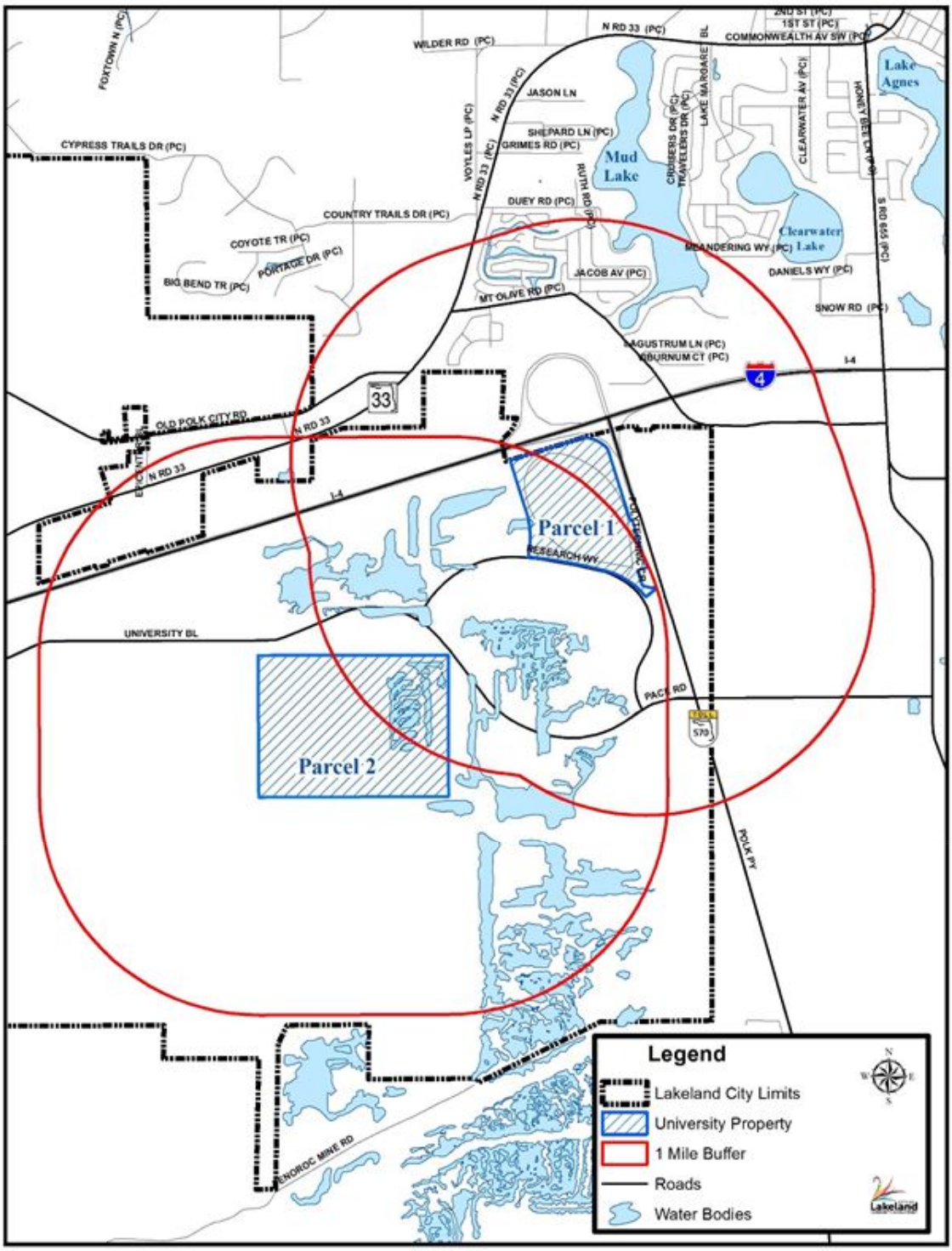
EXHIBIT "B"
APPROVED DEVELOPMENT SCHEDULE AUTHORIZED BY CAMPUS MASTER PLAN 2015-2025
AND PURSUANT TO THIS AGREEMENT

I.	ACADEMIC PLANT/BUILDINGS:	345,840 GSF
II.	SUPPORT FACILITY (including limited retail):	128,078 GSF
III.	TOTAL (473,918 Rounded):	475,000 GSF
IV.	HOUSING (1,008 Rounded):	1,010 beds
V.	PARKING LOTS (1,596 Rounded):	1,600 parking spaces

- May include surface parking spaces and future parking garage.

NOTE: The Total of 475,000 gross square feet is hereby modified to reflect the 625,000 gross square feet off approved development uses pursuant to the authorized Use Development schedule set forth in Exhibit "B" of the 2007 Campus Development Agreement.

EXHIBIT "C" - CITY NOTIFICATION MAP



AGENDA ITEM: XIII

Florida Polytechnic University
Finance and Facilities Committee
Board of Trustees
June 7, 2017

Subject: Construction Progress and Facilities

Proposed Committee Action

No action required- Information only.

Background Information

David Calhoun will provide an update on construction progress and facilities.

Supporting Documentation:
Presentation

Prepared by: David Calhoun

FLORIDA POLYTECHNIC UNIVERSITY

Campus Development and Facilities Update

David Calhoun

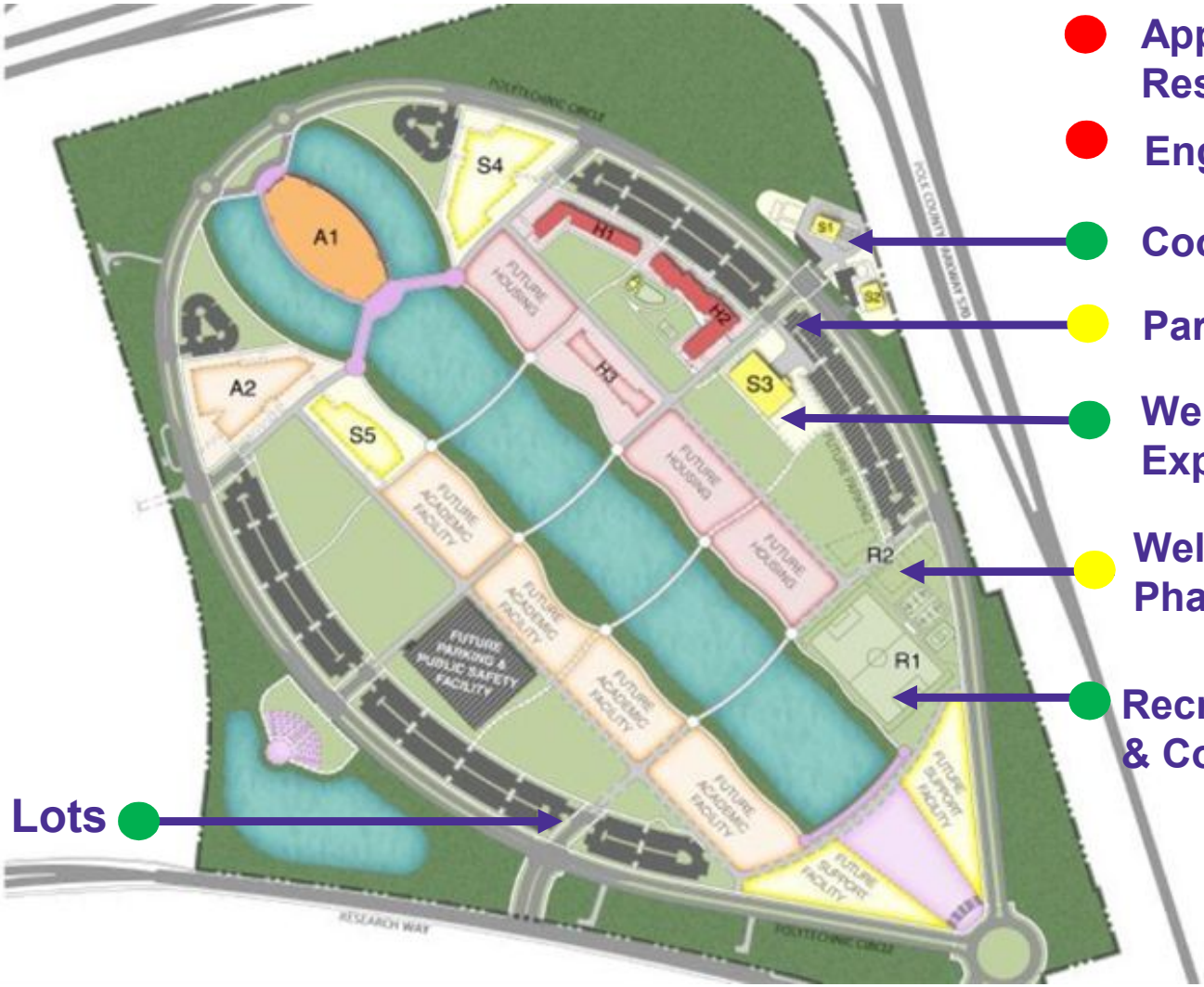
07 June 2017

DC20170607

FLORIDA POLY

Project Updates

- Complete
- Construction
- TBD



- Applied Research Center
- Eng. Shop
- Cooling Tower
- Parking Lot
- Wellness Center Expansion
- Wellness Phase 2
- Recreation Field & Courts
- Parking Lots

FLORIDA POLY

Wellness Phase 2 – Recreation Building/Pool

- **Recreation Building (8,600sf)**
  - Group fitness
  - Strength training
  - Office/Consulting space
- **Completed**
  - Design
  - Infrastructure
  - Groundbreaking
- **Construction Progress**
  - Foundations, Structural Support Walls Complete
  - Formwork/Rough in

Project target completion by Fall 2017

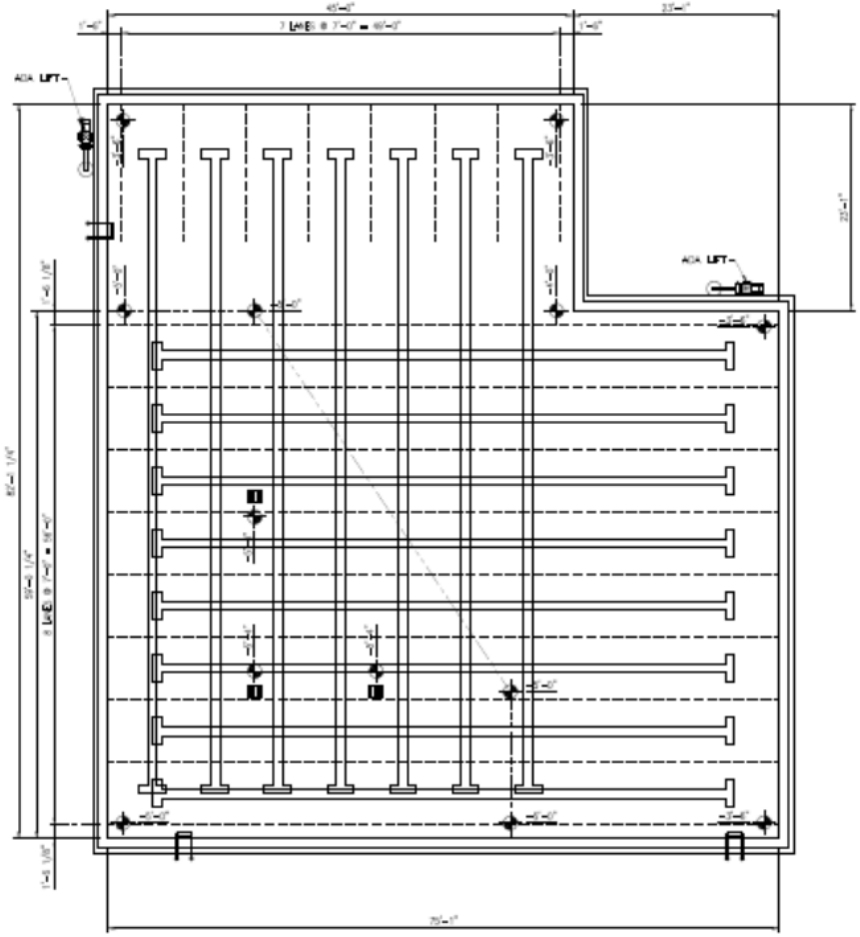
FLORIDA POLY

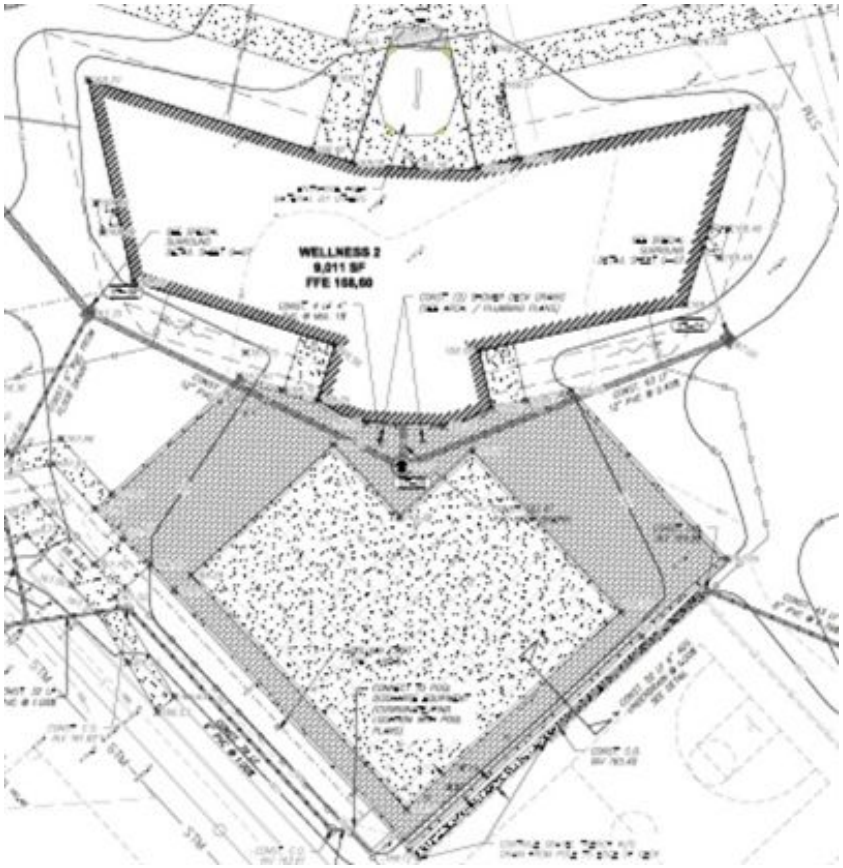
Wellness Phase 2 – Recreation Building Program Enhancements

Project target completion by Fall 2017

FLORIDA POLY

Wellness Phase 2 – Pool Program Enhancements

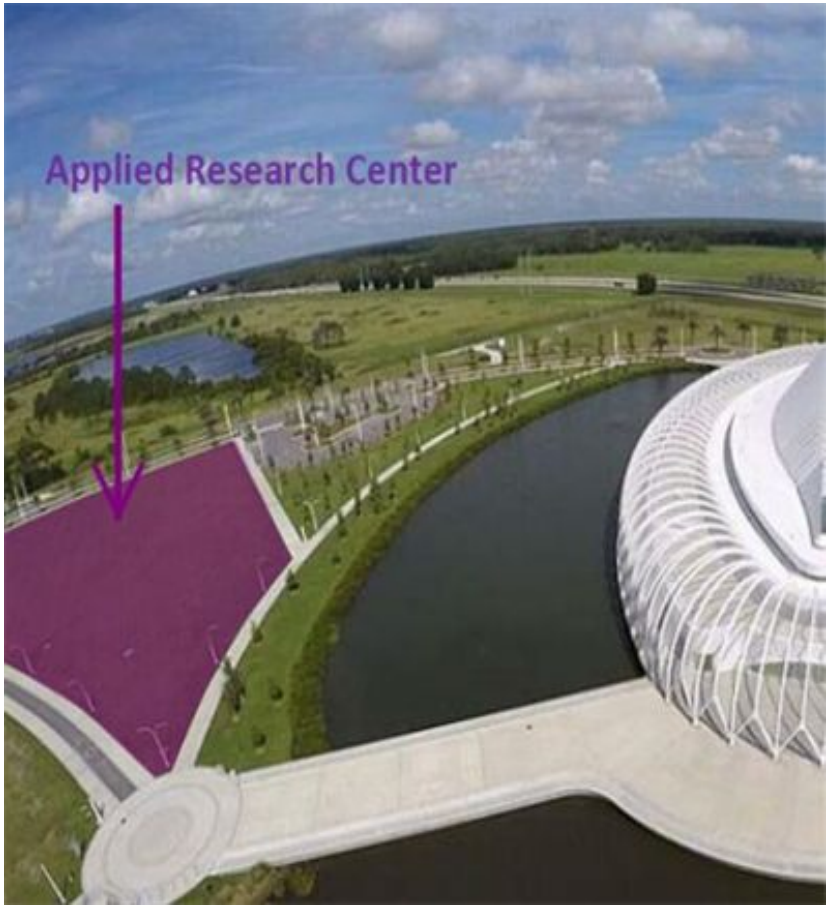




Project target completion by Fall 2017

FLORIDA POLY

Applied Research Center (ARC)



- **Applied Research Center (85,100 GSF):**
  - Research 44,800sf
  - Teaching Labs 9,800sf
  - Support/Offices 30,500sf
- **RFQ – In Progress/Completed**
  - Feasibility study completed
  - Programming in progress
  - Responses Received
  - Evaluation Complete
  - Selection Recommendation in progress

FLORIDA POLY

Summary

- **Completed**
  - ARC Design Selection Recommendation
  - Educational Plant Survey
- **In Progress**
  - Wellness Phase II
    - Recreation Building
    - Equipment Storage and Control Building (Pool)
  - ARC Design Services Negotiation
- **Upcoming**
  - Applied Research Center Programing

AGENDA ITEM: XIV

Florida Polytechnic University
Finance and Facilities Committee
Board of Trustees
June 7, 2017

Subject: Process and Recommendation of the Applied Research Center Architect

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Proposed Committee Action

No action required- Information only.

Background Information

David Calhoun will provide an update on the process and recommendation of the Applied Research Center Architect.

Supporting Documentation:
Supporting materials are located in the presentation of item XIII of this packet.

Prepared by: David Calhoun

AGENDA ITEM: XV

Florida Polytechnic University
Finance and Facilities Committee
Board of Trustees
June 7, 2017

Subject: 2016 Educational Plant Survey

Proposed Committee Action

Information only- No action is required.

Background Information

The 2016 Educational Plant Survey (EPS) was approved by the Board of Trustees on March 15, 2017. Subsequently, Board of Governors staff changed the factor used to calculate the need for office space from 25 to 30 (pages 22 and 23 of the EPS). Though there was a marginal change in the numerical square footage generated by the formula, it had NO IMPACT on the outcome. Therefore, the formula still does not generate a need for office space over the next five years.

According to Florida Statute 1013.31, Educational plant survey; localized need assessment; PECO project funding: (1) At least every 5 years, each board shall arrange for an educational plant survey, to aid in formulating plans for housing the educational program and student population, faculty, administrators, staff, and auxiliary and ancillary services of the district or campus, including consideration of the local comprehensive plan. The Department of Education shall document the need for additional career and adult education programs and the continuation of existing programs before facility construction or renovation related to career or adult education may be included in the educational plant survey of a school district or Florida College System institution that delivers career or adult education programs. Information used by the Department of Education to establish facility needs must include, but need not be limited to, labor market data, needs analysis, and information submitted by the school district or Florida College System institution.

(a) Survey preparation and required data.—Each survey shall be conducted by the board or an agency employed by the board. Surveys shall be reviewed and approved by the board, and a file copy shall be submitted to the Department of Education or the Chancellor of the State University System, as appropriate. The survey report shall include at least an inventory of existing educational and ancillary plants, including safe access facilities; recommendations for existing educational and ancillary plants; recommendations for new educational or ancillary plants, including the general location of each in coordination with the land use plan and safe access facilities; campus master plan update and detail for Florida College System institutions; the utilization of school plants based on an extended school day or year-round operation; and such other information as may be required by the Department of Education. This report may be amended, if conditions warrant, at the request of the department or commissioner.

Supporting Documentation:
2016 Educational Plant Survey

Prepared by: Rick Maxey

FLORIDA
POLYTECHNIC
UNIVERSITY

2016 EDUCATIONAL PLANT SURVEY

FACILITIES INVENTORY VALIDATION: OCTOBER 5, 2016
SPACE NEEDS ASSESSMENT: NOVEMBER 14, 2016

EFFECTIVE JULY 1, 2017 – JUNE 30, 2022

Florida Polytechnic University
4700 Research Way Lakeland, FL 33805-8531 | 863.583.9050 | 863.874.8711 | FloridaPolytechnic.org

FLORIDA POLYTECHNIC UNIVERSITY

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LIST OF TABLES

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EDUCATIONAL PLANT SURVEY TEAM

Survey team members participating in the 2016 Educational Plant Survey at Florida Polytechnic University are as follows:

Facilities Inventory Validation
October 5, 2016

Survey Leader

Lori Pinkerton, Space Management Analyst
Florida State University

Team Members

Tamera Baughman, Coordinator
Construction Projects
Florida Gulf Coast University

Brittany Farrior, Budget Analyst
Florida Board of Governors

Taylor Jones, Facilities Planner
Florida Board of Governors

Ken Ogletree, Senior Project Architect
Florida Board of Governors

Shacarra Sigler, Capital Programs and
Finance Specialist
Florida Board of Governors

Inventory Validation Facilitators

Dr. Randy Avent, University President

David Calhoun, Director Campus Development and Facilities

Kevin Calkins, Director Office of Institutional Research

Ray Galleno, Executive Director of Business & Auxiliary Services

Heather Howell, University Registrar

Jhojana Infante, Assistant Director Office of Institutional Research

Dr. Kathryn Miller, Vice President Academic Support Services

Rick Maxey, Director of Government Affairs

John White, Campus Architect/Project Manager

Lauren Willison, Director of Admissions

Space Needs Assessment
November 14, 2016

Survey Leader

Lori Pinkerton, Space Management Analyst
Florida State University

Team Members

Tamera Baughman, Coordinator
Construction Projects
Florida Gulf Coast University

Brittany Farrior, Budget Analyst
Florida Board of Governors

Taylor Jones, Facilities Planner
Florida Board of Governors

Ken Ogletree, Senior Project Architect
Florida Board of Governors

Shacarra Sigler, Capital Programs and
Finance Specialist
Florida Board of Governors

Needs Assessments Facilitators

David Calhoun, Director Campus Development and Facilities

Kevin Calkins, Director Office of Institutional Research

Jhojana Infante, Assistant Director Office of Institutional Research

Rick Maxey, Director of Government Affairs

Mark Mroczkowski, Chief Financial Officer

Dr. Terry Parker, Provost & Executive Vice President

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I. INTRODUCTION

An Educational Plant Survey is required by Florida Statutes for all public educational entities. The State University System requires that, at a minimum of every five years, each university report on their existing facilities and also project its future facilities needs for the next five years.

Definitions and Requirements for the Educational Plant Survey

An Educational Plant Survey is defined in s.1013.01 (8) Florida Statutes, as a systematic study of present educational and ancillary plants and the determination of future needs to provide appropriate educational programs and services for each student based on projected capital outlay FTE's approved by the Florida Board Governors.

The term "educational plant" is defined in s.101301(7) F.S., as those areas comprised of the educational facilities, sites, and site improvements, necessary to accommodate students, faculty, administrative staff and the activities of the educational program.

The term "ancillary plant" is defined in s. 1013.01(1) F.S., as an area comprised of the buildings, sites, and improvements necessary to provide such facilities as vehicle maintenance, warehouse, maintenance, or administrative buildings necessary to provide support to an educational program.

A Survey is required at least every five years pursuant to s. 1013.31 (1) F.S. In addition, 1013.64(4)(A) F.S. requires that each remodeling and/or renovation project, included in the Florida Board Governors Three Year PECO Project Priority List, be recommended in a Survey and that the educational specifications for new construction be approved by the Florida Board of Governors before appearing in the first year of the list.

PECO (Public Education Capital Outlay) Funds are the primary source available to universities for academic and support facilities. By definition, as found in Section 1013.01(16) Florida Statue, a PECO Funded Project is any "site acquisition, site improvement, renovation, remodeling, construction project, funded through this source of revenue and all buildings, equipment, other structures, and educational use area that are built, installed or established must be necessary to accommodate and serve the primary educational institutional program of the University's Board of Trustees".

Surveys may be amended if conditions warrant a change in the construction program. Each revised Educational Plant Survey and each new Educational Plant Survey supersedes previous Surveys. This report may be amended, if conditions warrant, at the request of the Board of Trustees (s.1013.31(1)(a) F.S.). Recommendations contained in a survey report are null and void when a new Survey is completed.

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II. OVERVIEW OF SURVEY PROCESS

The Purpose of the Educational Plant Survey

The purpose of the Survey is to aid in the formulation of five-year plans to house the educational programs and student population, faculty, staff, and auxiliary and ancillary services of the campus. Specific recommendations are provided to assist in the facilities planning process. The Survey should be considered as one element in the overall facilities planning process, which begins with the master planning process, includes the capital improvement element of the Master Plan for the long term physical development of the university, the shorter term Five-Year Capital Improvement Program, and the development of specific building programs prior to submitting a request for funding.

Types of Facilities Addressed in the Survey

The following nine categories of space have been identified as those needed to meet educational program requirements: Classroom, Teaching Laboratory, Study, Research Laboratory, Office, Auditorium/Exhibit, Instructional Media, Gymnasium, and Campus Support Services. These categories are included within the nationally recognized space classifications, as identified within the Postsecondary Education Facilities Inventory and Classification manual, dated May 2006. The need for merchandising facilities, residential facilities, and special purpose non-credit facilities such as demonstration schools, continuing education centers, or dedicated intercollegiate athletic facilities are not addressed within this report. An evaluation of facilities needs associated with these activities would require a separate analysis of demand measures and program requirements.

The Survey Process

The survey process is comprised of two main components: the Facilities Inventory Validation component and the Needs Assessment component. The fieldwork portion of the process is carried out by a survey team, which is directed by the survey leader from one of the university's sister institutions. Other survey team members include an architect from the Florida Board of Governors and professional staff from other universities. A survey facilitator is assigned by the subject university to facilitate logistics, collection of data for inventory validation, development of the survey workbook used by the survey team, coordination of university activities, and final preparation and publication of this document. Significant preparation is necessary before each of the two survey components are carried out. Table 1 identifies the main Survey activities and lead responsibilities.

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Table 1

Educational Plan Survey Activities

Activity	Responsibility		
	University	Board of Governors	Survey Team
Establish schedule	✓	✓	
Letter to president		✓	
Dates, procedures, responsibilities, designation of University representatives; determine inventory sample for validation	✓		
Identification of existing/proposed "ineligible" space	✓		
Prepare facilities inventory reports (site/building/room reports)	✓		
Coordinate logistics for validation field work	✓		
Perform validation (on-site field work)	✓		✓
Update inventory based on validation	✓		
Provide established enrollment projections		✓	
Perform formula space needs analysis	✓		
Develop proposed projects & justification	✓		
Develop survey workbook: schedule, mission statement, site data, academic programs, enrollment, space needs, inventory data, project summaries & justifications	✓		
Develop comments regarding degree program facility needs	✓		
Develop comments regarding proposed projects (CIP & Master Plan)	✓		
Coordinate logistics for needs assessment field work	✓		
Perform needs assessment (on-site field work): review proposed projects in relation to programs, space needs, data, current inventory, and any special justification	✓		✓
Exit meeting	✓		✓
Prepare initial summary of survey recommendations			✓
Prepare final summary of survey recommendations	✓		
Prepare written report	✓		
Validate survey		✓	

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III. FACILTIES INVENTORY VALIDATION

Purpose of Validation

The main purpose of the Inventory Validation component is to ensure that the facilities inventory data, used in the subsequent Space Needs Assessment component, fairly represents the existing facilities available to support educational programs.

Sampling Technique

The Inventory Validation component of the Survey is accomplished by a sampling technique. The sample of buildings and rooms are selected from the Physical Facilities Inventory Report, a mainframe-based inventory system that contains data about sites, buildings, and rooms. Every academic semester, changes in the File are reconciled to specific project activity and submitted to the Board of Governors. The buildings selected for Inventory Validation include all buildings constructed and acquired by Florida Polytechnic University since its establishment in 2012 (see Table 2).

An analysis of past legislative appropriations is conducted to ensure that all new buildings and buildings affected by major renovation are included. Table 2 identifies the buildings included in the sample for validation. Facilities inventory reports with room details and schematic floor plans are prepared to aid the Survey Team as they inspect rooms within the selected buildings.

Functions of Survey Team during Validation

The main function of the team is to compare existing conditions, identified by viewing the space, with the reported inventory data. Identification of condition changes, variance in room sizes, and proper room use or space category classifications are the objective of the team. A list of variances is prepared and used to update the facilities inventory. If significant classification errors are detected, a complete inventory validation is scheduled. There were no significant variances identified during this validation process.

The Resulting Adjusted Inventory Data

The resulting inventory file, with any required adjustments, enables preparation of reports used in the Needs Assessment portion of the Survey. Summary reports of building and net assignable space information are included in Section VIII of this report.

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Table 2

Buildings Included in Inventory Validation

Building Number	Building Name	GSF
Site 0010 – Florida Polytechnic South – PSC (Joint Use)		
8700	Lakeland Academic Center (not surveyed)	23,439
8701	Lakeland Learning Center (not surveyed)	28,728
8702	Lakeland ITFS Tower Shelter (not surveyed)	160
8712	Lakeland Technology Building*	40,062
Site 0012 – JD Alexander Florida Polytechnic Main Campus		
1200	Innovation Science and Technology	115,889
1201	Technology and Admissions Center	6,232
1202	Campus Control Center	4,637
1203	Student Wellness Center	39,955
Site 0012 – Florida Industrial and Phosphate Research Institute (not surveyed)		
8400	F.I.P.R – Administration BLDG	7,105
8401	F.I.P.R – Biological Lab	2,470
8402	F.I.P.R – Metallurgical Lab	3,874
8403	F.I.P.R – Radon BLDG II	375
8404	F.I.P.R – Radon BLDG I	375
8405	F.I.P.R – Storage BLDG	100
8406	F.I.P.R – Covered Walkway	430
8407	F.I.P.R – Educations BLDG	4,711

*Surveyed for the purposes of assessing office areas and confirm no instructional space is used by Florida Polytechnic University at Polk State College campus.

FLORIDA POLYTECHNIC UNIVERSITY

IV. THE SPACE NEEDS ASSESSMENT

Objective

The object of the Survey Team during the Space Needs Assessment component is to develop specific project recommendations consistent with approved programs in the Campus Master Plan. The Space Needs Assessment activity includes an evaluation of the following elements:

1- Projects proposed by the university.

2- The results of applying a quantitative space needs model.

3- Any special justification presented by the university.

University officials provide supporting information and any special justification for the proposed projects to the survey team in the form of a survey workbook and presentations.

Types of Recommendations

The projects proposed by the university include site acquisition, site improvements, renovation, remodeling, and new construction. The projects are presented as part of an overall development plan that include identification of proposed uses of spaces to be vacated as a result of occupying new buildings and the remodeling of existing buildings.

Space Needs Formula

The Space Needs model applied is the State University System Space Needs Generation Formula (formula). The formula was designed to recognize space requirements for a site based on academic program offerings, student enrollment by level, and research programs. A more complete explanation of the formula is provided in Appendix B. The most important measure in the formula is full-time-equivalent student enrollment. Other important measures include positions, research activity, and library materials. The following space categories are included in the formula:

Instructional/Research	Academic Support	Institutional Support
Classrooms	Study Facilities	Office/Computer
Teaching Laboratories	Instructional Media	Campus Support
Research Laboratories	Auditorium/Exhibition	
	Teaching Gymnasium	

Application of the formula results in unmet space needs that are then compared to the effect of proposed projects on the facilities inventory. In cases where the formula does not support a proposed project, the justification provided by the university is considered.

Such justification may include the unique space requirements associated with a particular program. In some cases, the proposed facilities meet program requirements that are not addressed in the formula. An example of such a case is a research and office facility, these type of spaces are regarded as ineligible to meet the space needs generated by the formula. Similar treatment is given to unique facilities within the existing facilities inventory to ensure that formula space needs are compared to facilities designed to meet those needs. The results of applying the formula for the Florida Polytechnic University survey are identified within Section IX of this report.

FLORIDA POLYTECHNIC UNIVERSITY

V. OVERVIEW OF FLORIDA POLYTECHNIC UNIVERSITY

President

Randy K. Avent, Ph.D.

Accreditation

Florida Polytechnic University was granted the status of candidacy by the Southern Association of Colleges and Schools Commission on Colleges on June 17, 2016 to award baccalaureate, masters degrees.

Degree Programs

- 6 undergraduate degree programs
- 2 graduate degree programs

Colleges

- College of Innovation and Technology
- College of Engineering

Students

- Number of students: 1,281 undergraduate, 31 graduate
- 95% of new students are coming from within Florida counties. The top 3 counties include: Polk, Hillsborough and Broward.
- Average SAT score for new students is 1,672, average ACT score is 26.
- 46% of students live on-campus

Campus Sites

Site 0012 – JD Alexander Florida Polytechnic Main Campus

- 170 acres
- 6 completed buildings (including housing), 3 modulars, and a recreation field

Site 0010 – Florida Polytechnic South – PSC

- Joint-use facility with Polk State College
- Office and computer support space

Site 0047 – Florida Industrial and Phosphate Institute

- 8 acres
- 7 completed buildings and a covered walkway

University's Mission

The mission of Florida Polytechnic University is to prepare 21st century learners in advanced fields of science, technology, engineering and mathematics (STEM) to become innovative problem-solvers and high-tech professionals through interdisciplinary teaching, leading-edge research and collaborative local, regional and global partnerships.

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University's Vision

Florida Polytechnic University will be a world-renowned "University of Innovation" for producing dynamic pool of info-tech talent with real-world solutions and capacity to lead global high-tech industries through customized STEM-enriched academic curriculum, operating space and facilities, entrepreneurial research, and interactive business industry partnerships.

University's Guiding Principles

Florida Polytechnic University is the 12th and newest member of the State University System of Florida with an exclusive focus on STEM disciplines and hands-on learning and research. It is Florida Polytechnic University's belief that a university entirely focused on innovation and building close industry partnerships will be more than an institution of higher learning, it will be a powerful economic engine for the community, the state and the nation.

Florida Polytechnic University is committed to responding to the State's growing need for STEM talent and to helping drive Florida's high-tech economy forward. Students are immersed in a cutting-edge polytechnic environment, rich in applied research. Florida Polytechnic University's degree programs and concentrations are industry-engaged, providing graduates with job-ready skills and experience. Thus, the University's unique mission, curriculum, and relationship with industry align the University with the State University System of Florida Board of Governors' primary areas of focus:

1. Teaching and Learning
2. Scholarship, Research and Innovation
3. Community and Business Engagement

In response to the State University System of Florida Board of Governors' goal to increase the number of STEM degrees awarded in state to meet economic and workforce needs, Florida Polytechnic University is committed to placing students in high-tech jobs through a cutting-edge curriculum dedicated to applied research in science, technology, engineering, and mathematics.

Florida Polytechnic University builds strategic partnerships directly with high-tech businesses and industry leaders, giving them the opportunity to help shape the skills and knowledge of future innovators and potential employees by participating in advisory board activities, internship programs, product development, job placement programs, joint research and joint teaching endeavors.

University's Historical Perspective

Florida Polytechnic University was established in 2012 as the state's only public university dedicated exclusively to applied research and learning in the fields of science, technology, engineering and mathematics (STEM).

Its home is a 170-acre campus in Lakeland that's anchored by the Innovation, Science and Technology (IST) Building designed by Spanish architect Dr. Santiago Calatrava. Florida Poly opened for classes in

August 2014 with an inaugural class of 554. The university started its third year of classes in 2017 with more than 1,300 students, and will graduate its first class in January.

Florida Polytechnic South, also known as Poly South, is a temporary joint-use facility with Polk State College per Senate Bill 1994 signed into law on April 20, 2012. As space becomes available at Florida Polytechnic University staff moves to the main campus, it will transfer the space that it vacates to Polk State College. The FIPR site is located at 1855 W Main Street Bartow, Florida 33830. It consists of seven buildings primarily used for the institute's administration, phosphate and metallurgical research, and community/public service purposes.

The university's campus has grown since its founding to include a new dormitory, and a new Wellness Center is projected for opening in fall 2017. A partnership with the Florida Department of Transportation also opened up an expansion opportunity in the form of a future test track for autonomous vehicles and tolling technology.

Organization

Florida Polytechnic University was awarded "Candidacy for Accreditation" status by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) in June 2016, and the university will have its official accreditation visit by the SACSCOC committee in February 2017.

Campuses and Other Locations

JD Alexander Florida Polytechnic Main Campus (Site 0012)

Florida Polytechnic University is located in Central Florida and part of what is known as the I-4 Corridor of Florida. The University's was established in 2012 on a 531 acres, 170 on main campus with two additional parcels of 176 and 184 acres. The main campus consist of four (4) constructed buildings, three (3) leased modulars, a recreation field, and two (2) dormitories acquired under a public-private-partnership. The campus is located at 4700 Research Way, Lakeland, Florida 33805. All instruction, research, and general activities conducted by students, faculty and staff take place at the main campus. A description of each building at this site is a follows:

- *Innovation, Science & Technology (IST):* It is considered the main building on the main campus, located at the north end. Currently all instruction and research activities conducted by faculty and staff take place at this building. Square footage is separated between classrooms, research labs, teaching labs, library, office space for faculty and staff, study areas, and terrace space.
- *Campus Control Center:* Contains the network operations center, the computer mainframe, chiller room, and main electrical room.
- *Technology & Admissions Center*: It was the first building completed on campus and provides administrative office space and auditorium for Enrollment Services (Office of Admissions and Office of Financial Aid).

- *Student Wellness Center:* Primarily used by Auxiliary and Student Services to provide students, faculty and staff with dining and food services, fitness center, health clinic, postal and copy services, bookstore, and Bursar's office.
- *Housing PH1:* First housing building under a Public-Private Partnership (P3); it has a residential bed count of 219 with suite-residential style.
- *Housing PH2:* Completed in summer 2016, it is the second housing building under a Public-Private Partnership. It is provides semi suite-residential style living and 539 beds.
- *Modulars:* Three temporary, modular-style buildings located next to the Campus Control

Florida Polytechnic South – PSC (Site 0010)

It is a joint-use facility Polk State College provided by Senate Bill 1994 signed into law on April 20, 2012. Includes three (3) buildings and an ITFS tower, currently it is temporarily used by the University's business offices and computing support. The site is located at 3433 Winter Lake Road, Lakeland, Florida 33803.

Florida Industrial and Phosphate Institute (Site 0047)

The Florida Industrial and Phosphate Research Institute (FIPR Institute) is a legislatively created state research unit within Florida Polytechnic University. This site consists of seven (7) buildings with a covered walkway used by FIPR Institute administration, research, and community education/public service outreach. The FIPR Institute is focused on phosphate-related research, but since 2010 has also broadened its research program into non-phosphate topics such as energy and the mining and processing of minerals other than phosphate.

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VI. ACADEMIC DEGREE PROGRAMS

The academic degree programs of the University and student enrollment within the programs generate the primary demand for facilities. The approved programs for the University are identified within Table 3.

Table 3

Academic Degree Programs

CIP	CIP Title	Program Title	Florida Poly Degree
11.0802	Data Modeling/Warehousing and Database Administration	Advanced Technology	B
11.0899	Computer Software and Media Applications, Other	Computer Science & Information Technology; Innovation & Technology	BM
14.0101	Engineering, General	Engineering	M
14.0901	Computer Engineering, General	Computer Engineering	B
14.1001	Electrical and Electronics Engineering	Electrical Engineering	B
14.1901	Mechanical Engineering	Mechanical & Industrial Engineering	B
52.0203	Logistics, Materials, and Supply Chain Management	Science & Technology Management	B

Legend: B-Bachelors; M-Masters; A-Advanced Master; E-Engineering; S-Specialist; P-Professional Doctorate; R-Research Doctorate

From State University System of Florida Academic Program Inventory

VII. ANALYSIS OF STUDENT ENROLLMENT

Student enrollment is the single most important measure used to develop facility requirements for a university. Enrollment is measured using full-time equivalent (FTE) enrollment. Each FTE is equivalent to 40 credit hours per academic year for undergraduates and 32 credit hours for graduates. First, FTE enrollment is reported by site, and then all enrollment not requiring facilities is deducted to determine the Capital Outlay FTE (COFTE). The level of enrollment used for survey purposes is the level for the fifth year beyond the year the survey is conducted. For this survey, the projected enrollment used is for academic year 2016-2017.

The University's Board of Trustees approved the University Work Plan which includes planned enrollments for the next five years. This data was provided to the survey team and was used in the survey. Table 4 identifies the Statutorily Required Enrollment Plan (based on State-Fundable Florida FTE), taken from Page 10 of the 2016 Work Plan.

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Table 5 illustrates student full-time equivalent enrollment for the base (actual) year and planned (outyear 2020-2021) by discipline and level for each site.

Table 4

Enrollment Plan

	2014-15 ACTUAL	2015-16 ESTIMATE	2016-17 PLAN	2017-18 PLAN	2018-19 PLAN	2019-20 PLAN	2020-21 PLAN	2021-22 PLAN	Planned Annual Growth Rate*
STATE FUNDABLE									
RESIDENT									
LOWER	448	779	946	887	905	912	914	927	-0.4%
UPPER	24	52	202	249	254	228	229	233	2.9%
GRAD I	15	19	35	47	48	60	60	61	11.5%
GRAD II	0	0	0	0	0	0	0	0	0.0%
TOTAL	487	850	1,183	1,183	1,207	1,200	1,203	1,221	0.6%
NON RESIDENT									
LOWER	24	28	49	66	68	90	90	91	13.2%
UPPER	3	2	10	18	19	22	22	22	17.1%
GRAD I	4	4	2	4	4	6	6	6	26.4%
GRAD II	0	0	0	0	0	0	0	0	0.0%
TOTAL	31	34	61	88	91	118	118	119	14.4%
TOTAL									
LOWER	472	807	995	953	973	1,002	1,004	1,018	0.5%
UPPER	27	54	212	267	273	250	251	255	3.8%
GRAD I	19	23	37	51	52	66	66	67	12.4%
GRAD II	0	0	0	0	0	0	0	0	0.0%
TOTAL	518	884	1,244	1,271	1,298	1,318	1,321	1,340	1.8%
NOT STATE FUNDABLE									
LOWER	1	1	1	1	1	1	1	2	5.6%
UPPER	0	0	0	0	1	1	1	1	18.1%
GRAD I	0	1	1	1	1	1	1	1	0.0%
GRAD II	0	0	0	0	0	0	0	0	0.0%
TOTAL	1	2	2	2	3	3	3	4	5.2%

Note: Full-time Equivalent (FTE) student is a measure of instructional activity that is based on the number of credit hours that students enroll. FTE is based on the standard national definition, which divides undergraduate credit hours by 30 and graduate credit hours by 24. Note*: The Planned Annual Growth Rate is a compounded rate based on the following formula: (2021-22 value divided by the 2016-17 value) to the (1/5) exponent minus one.

Table 5

FTE Enrollment Base (Actual) Year and Outyear by Discipline and Level for each site

All Campuses*

Discipline	Category	Base (actual) 2016-17				Planned 2021-22			
		Lower Level Undergraduate	Upper Level Undergraduate	Graduate	Total FTE	Lower Level Undergraduate	Upper Level Undergraduate	Graduate	Total FTE
11	Computer and Information Sciences and Support Services	478	102	19	599	482	121	32	635
14	Engineering	488	104	19	611	493	123	33	649
52	Buisness, Management, Marketing, and Related Support Services	30	6		36	30	8	2	40

**Academic programmatic student FTE only to be capture at Main Campus.*

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VIII. INVENTORY OF EXISTING SITES AND BUILDINGS

The overview of the university includes a general description of the sites where educational program activity is carried out by the university. This section provides information about buildings located at the sites.

The building information provided in Table 6 includes Status, Condition, Assignable Square Feet (ASF), and Gross Square Feet (GSF). Status identifies a building as permanent or temporary based on structural materials and life expectancy. A permanent building is a facility of either non-combustible or fire resistive construction designed for a fixed location with a life expectancy of more than 20 years. A temporary building is usually of wood frame type construction with a life expectancy of less than 20 years.

Building condition/space condition identifies whether space is satisfactory or unsatisfactory for its intended use. Determination of condition is based on the last survey validation and any changes proposed by the university and concurred with by the survey team. Space considered satisfactory is suitable for continued use. Unsatisfactory space is space that does not meet the university's standards or requirements for effectiveness. Space considered unsatisfactory can be classified by the university as either space in need of renovation or remodeling, space to be terminated for use, space scheduled for demolition which includes all modular and portable structures, or space for which there is currently no requested action and is scheduled for continued use as is. If the sum of all unsatisfactory categories exceeds 20% of the total existing space inventory, survey requests for actions on some of these projects must take a higher priority than any new construction.

The size of building spaces is provided as ASF, Non-ASF or GSF. Building ASF refers to the sum of all areas on all floors assigned to or available to be assigned to and functionally usable by an occupant or equipment to directly support the program activities of the occupant. Building Non-ASF refers to the sum of all areas on all floors that are not available for program activities, such as circulation areas, custodial space, and mechanical areas. GSF is the sum of all floor areas included within the outside faces of exterior walls and other areas which have floor surfaces.

The assignable space within educational buildings accommodates instructional, academic support, and institutional support functions of the university. As indicated within the Space Needs Assessment section, the following types of assignable spaces accommodate these functions:

Instructional/Research	Academic Support	Institutional Support
Classrooms	Study Facilities	Office/Computer
Teaching Laboratories	Instructional Media	Campus Support
Research Laboratories	Auditorium/Exhibition	
	Teaching Gymnasium	

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Table 6 identifies the amount of satisfactory eligible space, by space type, for each building which supports the above-stated functions. Table 7 shows the assignable square footage of satisfactory space by category and by building. As stated within the Space Needs Assessment section, eligible space refers to whether the space meets a need identified as a formula-generated space need. The buildings included within these tables are only those located on land the university leases from the State of Florida, owns, or land leased for a long term to the university on which buildings have been constructed by the university. Title to State land is vested in the Internal Improvement Trust Fund for the State of Florida.

Table 6

Building Inventory Report

	Site	Bldg. Status	Bldg. Condition	GSF	NASF
SITE 0012 – JD Alexander Florida Polytechnic Main Campus					
1200 Innovation Science and Technology	0012	1	1	115,889	80,085
1201 Technology and Admissions Center	0012	1	1	6,232	3,905
1202 Campus Control Center	0012	1	1	4,637	1,170
1203 Student Wellness Center	0012	1	1	39,955	23,212
1204 Housing PH 1	0012	-	0	-	-
1205 Housing PH 2	0012	-	0	-	-
12M1 University Police Modular	0012	3	0	1,395	1,305
12M2 Campus Development & Facilities Modular	0012	3	0	3,080	2,706
12M3 Personal Development & Accessibility Svcs Modular	0012	3	0	1,306	1,202
SITE 0010 – Florida Polytechnic South – PSC (Temporary Joint-Use)					
8700 Lakeland Academic Center	0010	2	0	23,439	5,771
8701 Lakeland Learning Center	0010	2	0	28,728	-
8702 Lakeland ITFS Tower Shelter	0010	2	0	160	-
8712 Lakeland Technology Building	0010	2	1	40,062	26,769
SITE 0047 – Florida Industrial and Phosphate Institute					
8400 F.I.P.R – Administration BLDG	0047	1	0	7,105	5,980
8401 F.I.P.R – Biological Lab	0047	1	0	2,470	2,470
8402 F.I.P.R – Metallurgical Lab	0047	1	0	3,874	3,424
8403 F.I.P.R – Radon BLDG II	0047	1	0	375	375
8404 F.I.P.R – Radon BLDG I	0047	1	0	375	375
8405 F.I.P.R – Storage BLDG	0047	1	0	100	100
8406 F.I.P.R – Covered Walkway	0047	7	0	430	430
8407 F.I.P.R – Education BLDG	0047	1	0	4,711	3,712

Legend:
Building Status: 1 = Permanent, 2 = Temporary Non-Relocatable, 3 = Temporary Relocatable, 4 = Under Construction, 7 = Covered Walkway
Building Condition: 0 = Building not surveyed, 1 = Satisfactory, 6 = Termination

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Table 7

Eligible Assignable Square Footage

Satisfactory Space by Category by Building

Bldg. Number	Building Name	Class-room	Teaching Lab	Study	Research Lab	Office	Aud/ Exhib	Instr. Media	Gym	Campus Support Services	Total NASF
SITE 0012 – JD ALEXANDER FLORIDA POLYTECHNIC MAIN CAMPUS											
1200	Innovation Science and Technology	6,088	26,432	18,636	13,469	8,955	1,808	-	-	2,590	77,978
1201	Technology and Admissions Center	-	-	-	-	1,955	691	-	-	1,259	3,905
1202	Campus Control Center	-	-	-	-	434	-	-	-	736	1,170
1203	Student Wellness Center	-	-	-	-	663	-	-	-	1,165	1,828

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IX. QUANTITATIVE (FORMULA) SPACE NEEDS

The basic method used to determine the facilities required by a university to accommodate educational programs, student enrollments, personnel, and services, is the Fixed Capital Outlay Space Needs Generation Formula. The Space Needs Formula (formula) provides the three general classifications of space: instructional, academic support, and institutional support. Within these classifications, nine categories of space are included: classroom, teaching laboratory, research laboratory, study, instructional media, auditorium and exhibition, gymnasium, office, and campus support services. While the FTE enrollment projection acts as primary generator, the formula recognizes variation in space requirements derived from discipline grouping, course levels, research programs, and library holdings, as well as faculty, staff, and contract and grant positions. The outcome of running the formula is a campus-wide aggregate of the ten categories of space, based on each individual university's make of students, programs, faculty and staff.

Table 8 reports the results of comparing the generated space needs to the existing eligible satisfactory and unsatisfactory facilities inventory for the main campus.

Table 9, also known as the "Form B", shows the details of these comparison results.

Table 8

Formula Generated Net Assignable Square Feet by Category

	Space Category	Space Needs By Space Type	Satisfactory Space Inventory	Total Unsatisfactory Space Inventory	Unmet Need
Instructional					
	Classroom	12,096	6,088	-	6,088
	Teaching Laboratory	15,120	26,432	-	(11,312)
	Research Laboratory	25,200	13,469	-	11,731
Academic Support					
	Study	18,144	18,636	-	(492)
	Instructional Media	4,032	0	-	4,032
	Auditorium/Exhibition	3,024	2,499	-	525
	Teaching Gymnasium	6,048	0	-	6,048
Instructional Support					
	Student Academic Support	0	0	-	0
	Office/Computer	30,240	12,007	-	18,233
	Campus Support Services	5,695	5,750	-	(55)
	Total	**119,599**	**84,881**	**-**	**29,426**

ANALYSIS OF SPACE NEEDS BY CATEGORY - FORM B

Florida Polytechnic University
Main Campus

Net Assignable Square Feet Eligible for Fixed Capital Outlay Budgeting
Prepared 17-Apr-17

***TOTAL FTE= 1,008**
On-Line FTE= 0
Total Less On Line FTE= 1,008

		Class-room**	Teaching Lab	Study	Research Lab	Office	Audi/ Exhib.	Instruct. Media	Student Academic Support	Gym	Campus Support Services	Total NASF
Space Needs by Space Type:	**2021-2022**	12,096	15,120	18,144	25,200	30,240	3,024	4,032	0	6,048	5,695	119,599
1) Current Inventory as of:	**1-Dec-16**											
A)	Satisfactory Space	6,088	26,432	18,636	13,469	12,007	2,499				5,750	84,881
B)	Unsatisfactory Space to be Remodeled	0	0	0	0	0	0	0	0	0	0	0
C)	Unsatisfactory Space to be Demolished/Terminated	0	0	0	0	0	0	0	0	0	0	0
D)	**Total Under Construction**	0	0	0	0	0	0	0	0	0	0	0
												0
												0
												0
												0
												0
TOTAL CURRENT INVENTORY:		6,088	26,432	18,636	13,469	12,007	2,499	0	0	0	5,750	84,881
2) Projects Funded for Construction thru:	**1-Dec-16**											
												0
												0
												0
												0
												0
Total Funded Construction:		0	0	0	0	0	0	0	0	0	0	0
Plus:Total Planned Demolition		0	0	0	0	0	0	0	0	0	0	0
Net Space Needs		**6,008**	**(11,312)**	**(492)**	**11,731**	**18,233**	**525**	**4,032**	**0**	**6,048**	**(55)**	**34,718**
Percent of: Current Inventory and Funded Projects Minus Demolition / Space Needs		50%	175%	103%	53%	40%	83%	0%	#DIV/0!	0%	101%	71%

(*Based on 2016 FPU Work Plan 2021-22 FTE enrollment projections)
(**Online FTE excluded from Classroom, Teaching Lab, Audi/Exhib. and Gym needs.)

Florida Polytechnic University 2021-2022		Class-room	Teaching Lab	Study	Research Lab	Office	Aud/ Exhibition	Instruct. Media	Student Academic Support	Gym	Campus Support Services	Total NASF
Space Needs by Space Type	**2021-2022**	12,096	15,120	18,144	25,200	30,240	3,024	4,032	0	6,048	5,695	119,599

Net Space Needs from Form B		6,008	(11,312)	(492)	11,731	18,233	525	4,032	0	6,048	(55)	34,718
Percent of Space Needs		**50.33%**	**174.81%**	**102.71%**	**53.45%**	**39.71%**	**82.64%**	**0.00%**	**0.00%**	**0.00%**	**100.97%**	**70.97%**
3) Projects Funded for Planning												
Proj. 1)	Applied Research Center	0	7,000	0	32,000	21,500	0	0	0	0	286	60,786
	Sub Total Net Space Needs	6,008	(18,312)	(492)	(20,269)	(3,267)	525	4,032	0	6,048	(341)	(26,068)
	Sub Total Percent	50.33%	221.11%	102.71%	180.43%	110.80%	82.64%	0.00%	0.00%	0.00%	105.99%	121.80%
Proj. 2)		0	0	0	0	0	0	0	0	0	0	0
	Sub Total Net Space Needs	6,008	(18,312)	(492)	(20,269)	(3,267)	525	4,032	0	6,048	(341)	(26,068)
	Sub Total Percent	50.33%	221.11%	102.71%	180.43%	110.80%	82.64%	0.00%	0.00%	0.00%	105.99%	121.80%
Proj. 3)		0	0	0	0	0	0	0	0	0	0	0
	Sub Total Net Space Needs	6,008	(18,312)	(492)	(20,269)	(3,267)	525	4,032	0	6,048	(341)	(26,068)
	Sub Total Percent	50.33%	221.11%	102.71%	180.43%	110.80%	82.64%	0.00%	0.00%	0.00%	105.99%	121.80%
Total Net Space Needs		6,008	(18,312)	(492)	(20,269)	(3,267)	525	4,032	0	6,048	(341)	(26,068)
Total Adjusted Inventory		6,088	33,432	18,636	45,469	33,507	2,499	0	0	0	6,036	145,667
Total Percent of Net Space Needs		50.33%	221.11%	102.71%	180.43%	110.80%	82.64%	0.00%	0.00%	0.00%	105.99%	121.80%
	2017 SUS Space Factors	12	15	18	25	25	3	4	0	6	5	

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X. RECOMMENDATIONS OF SURVEY TEAM – OCTOBER 5, 2016

Survey Team Members: Lori Pinkerton, Team Leader (FSU), Tamera Baughman (FGCU), Kenneth Ogletree (BOG), Brittany Farrior (BOG), Taylor Jones (BOG), Shacarra Sigler (BOG)

Site Improvements Recommendations:

1.1 Landscaping and Site Improvements – This is a general recommendation for landscaping and site improvements consistent with the adopted Campus Master Plan.

1.2 Utility Infrastructure – This is a general recommendation for items in the categories of chilled water and controls, electrical distributions, storm sewer, sanitary sewer, telecommunications, energy management control systems, irrigation, water distribution, steam equipment and distribution and roads. The project consists of improvements, extensions, modifications, and additions to the major utility systems consistent with the adopted Campus Master Plan.

1.2a Expansion of the University's existing chiller plant.

Remodeling/Renovation Recommendations:

2.1 Remodeling/renovation recommendations are in accordance with the net square footage as described in the Form B. Remodeling/renovation recommendations that yield no significant changes to existing space use categories are recommended.

New Construction Recommendations:

Projects Based on Exception Procedure:

The Survey Team recognizes that Florida Polytechnic University (FPU) is a new start-up university. The Survey Team is recommending the following project utilizing the exception procedure. In their needs presentation, FPU presented data demonstrating a need for space supporting a request that will provide additional research and associated spaces. FPU identified companies that have recently partnered with them to collaborate with faculty and students on research. FPU's focus is on applied research on real world issues.

3.1 Applied Research Center

Demolition Recommendations: N/A

Special Purpose Center Recommendations:

This is a general recommendation for all work necessary to maintain the following facility:

6.1 Florida Industrial Phosphate Research Institute

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Standard University-wide Recommendations:

SR1. Projects for safety corrections are recommended.

SR2. Projects for corrections or modifications necessary to comply with the Americans with Disabilities Act are recommended.

SR3. Expansion, replacement and upgrading of existing utilities/infrastructure systems to support projects identified within this Educational Plant Survey are recommended.

SR4. Projects requiring renovations to space vacated in conjunction with new construction that result in no significant changes in space categories, are recommended.

Notes:

A. University is to write recommendation text in accordance with current Educational Plant Survey format criteria.

B. The Survey Team requires that projects recommended for approval are to be incorporated into the Master Plan update(s).

C. The Survey Team recommendations to the Board of Governors cannot exceed 100% of space needs met by formula in any of the nine (9) space categories. Any project that exceeds 100% of needs met must be modified to ensure approval 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.

D. Supplemental surveys are required if any changes to project scope result in a space category exceeding 100% of formula-driven need.

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XI. FUNDING OF CAPITAL PROJECTS

The projects recommended by the survey team may be funded based on the availability of funds authorized for such purposes. The primary source available to the university is Public Education Capital Outlay (PECO). PECO funds are provided pursuant to Art. XII, § 9(a) (2), Fla. Const., as amended. These funds are appropriated to the State University System pursuant to § 1013.64(4), Fla. Stat., which provides that a list of projects is submitted to the Commissioner of Education for inclusion within the Commissioner's Fixed Capital Outlay Legislative Budget Request. In addition, a lump sum appropriation is provided for remodeling, renovation, maintenance, repair, and site improvements for existing satisfactory facilities. This lump sum appropriation is then allocated to the universities. The projects funded from PECO are normally for instructional, academic support or institutional support purposes.

Another source for capital projects is Capital Improvement Fees. University students pay Building Fees and Capital Improvement Fees per credit hour per semester. This revenue source is commonly referred to as Capital Improvement Fees and is used to finance university capital projects or debt service on bonds issued by the State University System. The projects financed from this revenue source are primarily student-related, meaning that the projects provide facilities such as student unions, outdoor recreation facilities, and athletic facilities. Periodically, a funding plan is developed for available and projected revenues. Universities receive an allocation and develop a list of projects that are submitted to the Division of Colleges and Universities for inclusion within a request to the Legislature for appropriation authority.

The Facilities Enhancement Challenge Grant "Courtelis Program" Program (CP), established pursuant to § 1013.79, Fla. Stat., provided for the state matching of private donations for facilities projects that support instruction or research. Under this program, each private donation for a project is matched by state funds.

Section 1013.74, Fla. Stat., provides authority to accomplish capital projects from grants, and private gifts (PF). In addition, authority is provided within this section to finance facilities to support auxiliary enterprises from the issuance of bonds supported by university auxiliary revenues. Legislative approval of the proposed projects is required.

A limited amount of general revenue funds has been appropriated for university capital projects. Under special legislation, the university has been able to allocate Carry Forward funds (CFWD) for Capital Improvement Projects in its initial years.

The first two housing projects on campus have been completed through a Public-Private Partnership with approval through the Board of Governors.

Table 10 identifies the specific project appropriations made available to the university over its first four years.

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Table 10

Capital Outlay Allocations

State Appropriations

From 2013-14 through 2016-17

Project	Location	Phase	Source *	2013-14	2014-15	2015-16	2016-17	Total
Technology Admissions Center	JDA Campus	P,C,E	CFWD	$1,387,174				
Campus Control Center	JDA Campus	P,C,E	CFWD	$3,950,000				
Site Development	JDA Campus	P,C,E	CFWD/CP		$33,125,000			
Innovation, Science & Technology Building	JDA Campus	P,C,E	PECO/CP		$77,150,000			
Wellness Center	JDA Campus	P,C,E	CFWD/CP		$4,359,000			
Residence Hall 1	JDA Campus	P,C,E	PPP		$12,000,000			
Recreation Fields	JDA Campus	P,C,E	CFWD/PF			$1,070,000		
Cooling Tower 2	JDA Campus	P,C,E	CFWD			$541,617		
Parking Lots 6 & 8	JDA Campus	P,C,E	CFWD			$1,546,986		
Residence Hall 2	JDA Campus	P,C,E	PPP				$27,000,000	
Wellness Expansion	JDA Campus	P,C,E	CFWD				$2,275,000	
TOTAL				**$5,337,174**	**$126,634,000**	**$3,158,603**	**$29,275,000**	**$164,604,777**

*PECO Public/Education Capital Outlay; CP – Courelis Program; PF – Private Funding; CFWD – Carry Forward; PPP – Public Private Partnership

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APPENDICES

FLORIDA POLYTECHNIC UNIVERSITY

A. OVERVIEW OF EDUCATIONAL PLANT SURVEY PROCESS

EDUCATIONAL PLANT SURVEY PROCESS OVERVIEW
BOARD OF GOVERNORS
Office of Finance & Facilities
Chris Kinsley, Director
FOR THE STATE UNIVERSITY SYSTEM OF FLORIDA
Revised: January 25, 2011

Section 1013.31, Florida Statutes, requires that, at least once every five years, each University Board of Trustees shall arrange for an Educational Plant Survey to aid in providing physical facilities necessary to accommodate its academic programs, students, faculty, staff, and services during the next five-year period.

1. Designation of Responsibility

The University to be surveyed (the "University") appoints the **Survey Team Coordinator**. The Survey Team Coordinator correlates information provided by the Survey Team Leader, the University Survey Team Facilitator, and the Board of Governors (the "Board") staff during the survey process. It is recommended in order to expedite the overall process and to maintain consistency and quality that the coordinator be a staff person from the Board.

It is recommended that the **Survey Team Leader** be requested from a university not being surveyed in the same year. In conjunction with the Survey Team Coordinator, the Survey Team Leader coordinates the work of the survey team members. All team members are also recommended to come from staff of other universities not being surveyed in that same year. The Survey Team Leader maintains contact with the Survey Team Coordinator and coordinates all activities with the Survey Team Facilitator at the University during the entire survey process.

The University President appoints the **Survey Team Facilitator** for its University from its own staff. The Survey Team Facilitator maintains contact with the Survey Team Leader and coordinates personnel at the University during the survey process. The Survey Team Facilitator will also coordinate the University activities for the team during the survey process at the University.

For continuity and consistency of the final report, **Survey Team Members** will consist of staff from universities not being surveyed that year and should include a representative from a university to be surveyed in the next fiscal year, as well as a representative from a university surveyed in the previous fiscal year. Board staff should also be included.

2. Student Enrollment Projections

The survey uses capital outlay full-time-equivalent student enrollment projections based on the work plans submitted annually to the Board by the universities pursuant to Board regulation 2.002. One undergraduate capital outlay full-time-equivalent represents enrollment in 40 credit hours during the academic year, while one graduate capital outlay full-time-equivalent represents 32 credit hours. Projections are provided for all credit activity at each officially designated site for which facilities are required. Enrollments are identified by discipline group within level of student.

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3. Educational Programs and Services

The survey uses projections for programs approved by the Board of Governors through the academic program review process for the State University System. Staff of the University prepare a list of programs for the survey, indicating which existing programs the University wishes to continue, expand and delete during the five-year period of the survey, as well as those for which planning authorization or program approval has been granted.

The basic mechanism used to determine the facilities required to accommodate educational programs and services is the SUS Space Needs Generation Formula (the "Formula"). The Formula identifies space needs for instructional and research programs, and for academic and institutional support services.

While the capital outlay full-time-equivalent projection acts as primary generator, the Formula recognizes variations in space requirements derived from discipline groupings, course levels, research fields, library holdings, faculty, staff, contract & grant positions, as well as, minimum space allowances. Thus, the Formula results in aggregate space generations for ten (10) standard space categories based on the combination of students, programs, faculty and staff unique to the University.

4. Inventory Validation Segment of Survey

The first segment of the survey is the Inventory Validation, whereby the physical facilities inventory is evaluated by the survey team. The Inventory Validation is scheduled three (3) to four (4) months before the Needs Assessment segment of the survey.

The validation segment entails visits to all sites of the University for the purpose of confirming or correcting information carried in the computerized Physical Facilities Space File, (the "Space File") as well as building schematics. The staff of the university and the validation team members visits all sites and selected buildings. The buildings to be visited for Inventory Validation purposes should include any buildings that have not been previously surveyed, buildings which the University desires to be assessed as unsatisfactory, and a sampling of other buildings to determine overall accuracy of the reported inventory.

The Space File includes information for all educational plants. For the Inventory Validation, University staff provides reports of Space File data and building schematic drawings for the buildings designated to be included in the validation.

An important part of the Inventory Validation process is the review of spaces to be exempt or ineligible. These are spaces not generated by the Formula and thus not included in the current inventory used in space needs analyses. University staff furnishes a list of all ineligible spaces which identifies each space and justifies why it is excluded.

Together, the University Survey Team Facilitator and Survey Team Leader make arrangements for the Inventory Validation including: team assignments, guides, and transportation for team member visits to buildings and grounds, and lodging accommodations for team members. The Board of Governors will reimburse travel costs and pay standard per diem for members of the Inventory Validation team.

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5. University Identification of Needs

Administrators and staff of the University undergoing the survey prepare lists for each site of needs identified by the University for site acquisition, development and improvement, and remodeling, renovation, and new construction. Outdoor physical education facilities are included as site improvement. Because all previous survey recommendations expire at the beginning of a new five-year survey, the list of needs may include items recommended in the prior survey which have not been started or funded through construction, but still are needed.

Requested projects should be reflected in the University's Campus Master Plan previously submitted to the University Office of Facilities Planning, or should be included in an official update to the Master Plan.

The basic method for identifying facility needs is the Formula approach. This method involves performance levels for space use by the University based on legislatively mandated, as well as generally accepted, utilization standards. The Formula generates campus wide square footage needs for ten categories of space. Needs are compared with the categorical square footage in inventory to determine space deficits and surpluses. Shortages demonstrate the need for remodeling or new construction recommendations to provide space, while overages may denote the need for remodeling recommendations to convert excess space to other uses.

Using the Formula, the Survey Team Coordinator ensures the preparation of space needs analyses by the University for each site showing categorical space need generations, existing space inventory, and resulting deficits and surpluses. Based on the results, University staff develops requests for remodeling recommendations to provide space for under built categories, as well as to reduce space of overbuilt categories, and for new construction recommendations to meet needs which cannot be satisfied through remodeling.

In conjunction with the Formula, Space Factors (the “Factors”), have been developed as part of the process and are used to expedite the use of the Formula in determining university space needs. The Factors are periodically reviewed and revised by the Board Office of Finance and Facilities. Each university at the time of its survey, after the Inventory Validation and prior to the Needs Assessment, may make a presentation and request a recommendation from the survey team to revise one or all of their Factors as a result of data or policy actions taken by its Board of Trustees and its university. The presentation should include, at a minimum, data based on the projected space needs using existing factors, a presentation on changes at the University that make the current Factors inappropriate (i.e. the policy action by its Trustees or University), and documentation of what the space impact of the requested revised Factors would be. In addition, a comparison against the other universities in the System should be included.

The Survey Team will review the data and make a recommendation to modify or leave the Factors unchanged as part of their survey recommendations. The team will evaluate the request for consistency with other universities in the system and comparison for similar issues.

The alternative method for identifying facility needs is the "exception procedure." This method is used where the University has special problems or extraordinary needs not supported by the Formula. One example is unusual requirements for a particular type of teaching or research laboratory. Another example is minimal facilities for a program that are not provided by the space needs generated from the initial enrollment level of the program.

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To exercise this option, University staff prepares written explanations along with quantitative displays, which justify exceptional needs. Justifications include relevant information such as requirements for specific programs, schedules of current classes, reports of space utilization, indications of effective space management, evidence of sound planning, feasibility studies for remodeling, and intended uses of space. The purpose is to present convincing evidence which demonstrates genuine facility needs beyond Formula generations. In addition, requests for remodeling or new construction recommendations to accommodate these special needs are developed.

Request items for remodeling and renovation recommendations should contain specific information: building number and name; room numbers; current functions of spaces, use codes, and square footage. Items for new construction recommendations specify needed function of spaces, use codes, and net square footage.

Cost estimates are provided by the university for site acquisition, development, and improvement items. They may be furnished for other items as well. Cost estimates for survey recommendations involving new building construction are based on average cost figures for the System. It is important to note that cost estimates attached to survey recommendations are not part of the recommendations per se. They are added only to provide a general idea of anticipated cost. They cannot be interpreted as accurate estimates for particular projects. Often, actual estimates will vary significantly from those included with recommendations.

The survey automatically makes five university wide standard recommendations for: provision of custodial services facilities; provision of sanitation facilities; correction of safety deficiencies; replacement of building envelope systems; and modification of facilities for compliance with the Americans with Disabilities Act. Therefore, the university should not include requests related to these needs.

6. Survey Workbook

University staff prepares a survey workbook for use by survey staff during the Needs Assessment segment of the educational plant survey. The workbook contains documentation related to preceding items 2, 3, 4, and 5, along with general background information about the University. It is supplemented by available information regarding long-term plans for the institution, such as the master plan or other long-range planning documents. Additional information may also be included.

A copy of the survey workbook is provided to each survey team member at least two weeks before the opening date of the Needs Assessment. Other copies may be distributed to survey staff at the beginning of the Needs Assessment.

7. Financial Information

The Survey Team Coordinator provides particular financial information pertaining to capital outlay allocations by fund source and capital outlay allocations by project type for inclusion in the Survey Report.

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8. Needs Assessment Segment of Survey

The Survey Team Leader and the University make arrangements for the Needs Assessment including: daily schedule of survey activities; organizational meeting, discussion sessions, and final meeting for the survey team with university administrators, faculty, and staff; work space, materials, and equipment for the team; and lodging accommodations for team members. The Board of Governors will reimburse travel costs and pay standard state per diem for members of the Validation and Needs Assessment team. The Board will not pay for materials and supplies necessary to conduct the survey.

9. Survey Recommendations

The survey team makes recommendations for site acquisition, development, and improvement; and remodeling, renovation, and new construction for officially designated sites and facilities.

Details about the status of previous survey recommendations, identification of needs through the Formula approach, modification of Factors and the exception procedure, cost estimates for recommendations, and the university-wide standard recommendations are explained under item 5.

Recommendations for leased sites and facilities are made in accordance with the provisions of Sections 1013.31 Florida Statutes. Recommendations pertaining to additional branch campuses are considered only after a proposal for establishment, submitted by the University, has been recommended and authorized by the Legislature.

10. Written Survey Reports

The University prepares the draft and the final written report of the findings and recommendations of the Survey Team for review and approval by the University Board of Trustees (UBOT's). After approval by the UBOT's, the university must submit the official copy of the report to the Chancellor, State University System of Florida.

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B. EXPLANATION OF THE SPACE NEEDS GENERATION FORMULA

The space needs generation formula uses three types of information to determine unmet space needs:

1. Workload measures such as enrollment, positions and library materials
2. Space standards including station sizes and utilization levels
3. Existing facilities inventory

The formula was designed to recognize space requirements based on academic program offerings, student level, and research programs. Currently, space needs are generated for twenty university sites including main campuses, branches, two health sciences centers, and the Institute of Food and Agricultural Sciences.

FTE Enrollment Projections

Enrollment projections used for budgeting purposes are based on five-year projections of annual

FTEs requiring facilities, excluding enrollments housed at non-owned sites. Annual FTE (one undergraduate FTE represents enrollment in 40 credit hours during the academic year; 32 for graduate) enrollment for each site, by discipline, by level is used as the primary variable within the formula. This level of detail allows recognition of differences in space needs based on size of programs, mix of science and non-science programs, variations in station sizes for laboratories, and variations between disciplines in the number of contact or weekly student hours required to be housed in classrooms and teaching laboratories.

Space Standards

Nine space categories are recognized within the formula. The nine categories of assignable space include:

Instructional	Academic Support	Instructional Support
Classroom	Study	Office/Computer
Teaching Laboratory	Instructional Media	Campus Support Services
Research Laboratory	Auditorium/Exhibition	
	Teaching Gymnasium	

Classroom Facilities

A classroom is defined as a room used for classes and not tied to a specific subject or discipline by equipment in the room or configuration of the room. Included in this category are rooms generally used for scheduled instruction that require no special, restrictive equipment or configuration. These include lecture rooms, lecture-demonstration rooms, seminar rooms, and general purpose classrooms. Related service areas such as projection rooms, telecommunications control booths, preparation rooms, closets, storage areas, etc. are included in this category if they serve classrooms.

The net assignable square feet (NASF) needed for classrooms is based upon 22 NASF per student station, 40 periods of room use per week, and 60% station occupancy.

These standards result in a space factor of 0.92 NASF per FTE enrolment. Using this space factor, NASF requirements are determined by multiplying the FTE enrollment for each discipline by level times the number of weekly student hours per FTE that are scheduled in classrooms.

The effect of applying the formula to all universities by level and by discipline provides an average of 12 NASF per FTE for main campuses. An example for an upper level FTE student in Engineering is:

$$0.92\ (\text{Space Factor}) \times 15.0\ (\text{Weekly Student Hours per FTE}) = 13.8\ \text{NASF per FTE}$$

$$\text{where Space Factor} = \frac{\text{Station Size}}{\text{Hours per Week} \times \text{Occupancy Rate}}$$

$$\text{or } \frac{22}{40 \times 0.60} = 0.92\ \text{NASF}$$

Teaching Laboratory Facilities

A teaching laboratory is defined as a room used primarily for scheduled classes that require special purpose equipment or specific room configuration for student participation, experimentation, observation, or practice in an academic discipline. Included in this category are rooms generally called teaching laboratories, instructional shops, computer laboratories, drafting rooms, band rooms, choral rooms, music practice rooms, language laboratories, studios, theater stage areas used primarily for instruction, instructional health laboratories, and similar specialty designed or equipped rooms if they are used primarily for group instruction in formally or regularly scheduled classes. Related service areas are also included in this category.

The NASF need for teaching laboratories is computed by discipline by level and is based on established station sizes, weekly student hours per FTE, and utilization levels for room use and station occupancy. The room use standard is 24 hours for lower level and 20 hours for upper level. The station occupancy rate is 80% for both levels. The effect of applying the formula to all universities by level and by discipline provides an average of 15 NASF per FTE for main campuses. An example for an upper level student in Engineering is:

$$7.81\ (\text{Space Factor}) \times 5.0\ (\text{Weekly Student Hours per FTE}) = 39.05\ \text{NASF per FTE}$$

$$\text{where Space Factor} = \frac{\text{Station Size}}{\text{Hours per Week} \times \text{Occupancy Rate}}$$

$$\text{or } \frac{125}{20 \times 0.80} = 7.81\ \text{NASF}$$

Although most universities in the System currently generate more than 50,000 NASF, a minimum facility need of 50,000 NASF is provided for the development of future campuses.

Research Laboratory Facilities

A research laboratory is defined as a room used primarily for laboratory experimentation, research or training in research methods, professional research and observation, or structured creative activity within

a specific program. Included in this category are labs used for experiments, testing or "dry runs" in support of instructional, research or public service activities. Nonclass public service laboratories which promote new knowledge in academic fields are included in this category (e.g., animal diagnostic laboratories and cooperative extension laboratories). Related service areas that directly serve these laboratories are included in this category.

The NASF needed for research laboratories is based on an allotment of space by discipline for each research faculty FTE and graduate student FTE. Space needs are generated separately for research faculty and graduate student FTE.

Research Faculty Space needs are generated by discipline for Educational and General (E&G) and Contract and Grant (C&G) faculty. The number of E&G research faculty is based upon the

E&G FTE faculty to FTE student ratio and the percentage of E&G research faculty FTE for the actual or base year. The number of C&G research faculty FTE is based on a three-year average growth rate for C&G faculty applied to the actual or base year. The allotment of space for each research faculty FTE varies from 75 to 450 NASF depending on discipline.

Graduate Students Space needs are generated by discipline for beginning and advanced graduate student FTE. Graduate student FTE enrollment is divided between beginning and advanced levels based upon the number of graduate credit hours completed by the student (advanced graduates are those with 36 or more graduate credit hours).

Research laboratory space is generated for selected University Support Personnel System positions having research responsibilities that require laboratory facilities. The Beginning Graduate space factor is used for these positions. Space allotments for advanced graduates are the same as those applied to research faculty (from 75 to 450 NASF). The allotment of space for a beginning graduate FTE considers sharing of research space and varies from 3 to 90 NASF. For example, the space allotment for an advanced graduate student in Engineering is 450 NASF.

Study Facilities

Study facilities include study rooms, stack areas, processing rooms, and study service areas. The

NASF needed for study facilities is based on separately determined NASF needs for study rooms, carrel space, stack areas, and study service areas.

Study Rooms (Other than Computer Study Rooms) The NASF needed for study rooms is based on 25 NASF per station for 25% of the undergraduate FTE.

Computer Study Rooms The NASF needed for computer study rooms is one station for every 15 FTE, with a station size of 30 NASF.

Carrels The NASF needed for carrels is based on 30 NASF per station for 25% of the beginning graduate FTE, for 50% of the law FTE, for 25% of the advanced graduate science FTE, and for 50% of the advanced

graduate non-science FTE, plus 20 NASF per station for 5% of the science FTE faculty and for 25% of the non-science FTE faculty.

Stack Areas The NASF need for stack areas is based on an amount of space per library volume with all library materials converted to volume equivalents (includes all holdings such as bound volumes, video and audio tapes, cassettes, microfilms, etc.). The projected volume counts are based on current inventories plus a continuation of the previous year's acquisitions.

Non-Law Stacks	Law Stacks
0.10 NASF/volume for the first 150,000 volumes	0.14 NASF/volume for the first 150,000 volumes
0.09 NASF/volume for the second 150,000 volumes	0.12 NASF/volume for the second 150,000 volumes
0.08 NASF/volume for the next 300,000 volumes	0.10 NASF/volume for the next 300,000 volumes
0.07 NASF/volume for all volumes above 600,000	0.09 NASF/volume for all volumes above 600,000

Study Facilities Service Areas The NASF need for study service areas is based on 5% of the total NASF needed.

Instructional Media Facilities

Instructional Media rooms are used for the production or distribution of multimedia materials or signals. Included in this category are rooms generally called TV studios, radio studios, sound studios, photo studios, video and audio cassette and software production or distribution rooms, and media centers. Service areas such as film, tape, or cassette libraries or storage areas, media equipment storage rooms, recording rooms, engineering maintenance rooms, darkrooms, and studio control booths are also included in this category.

A minimum facility of 10,000 NASF and 0.5 NASF per FTE over 4,000 is provided for instructional media space on main campuses and 0.5 NASF per FTE for branch campuses with no minimum facility allowance.

Office/Computer Facilities

An office is defined as a room housing faculty, staff, or students working at one or mode desks, tables, or workstations. A computer facility in this category is defined as a room used as a computer-based data processing or telecommunications center with applications that are broad enough to serve the overall administrative or academic equipment needs of a central group of users, department, college, school, or entire institution. Rooms that directly serve these areas are also included in this category, as well as faculty and staff lounges.

The NASF need for offices/computer facilities is based on a space allotment of 145 NASF per FTE position requiring office space. Example of positions not requiring space includes maintenance mechanics, scientific photographers, and dental technicians. FTE positions are projected based upon the current ratio of FTE positions requiring space to annual FTE students.

The number of C&G positions is based on a three-year average growth rate for C&G positions applied to the actual or base year. The need for faculty and staff lounges is based on a 3 NASF per position.

Campus Support Facilities

Campus support facilities are defined as those area used for institution-wide services. This includes maintenance shops, central storage areas, central service areas, vehicle storage facilities, hazardous materials facilities, plus related service areas such as supply storage areas, closets, and equipment rooms.

The NASF need for campus support facilities is based on 5% of the total NASF generated by the formula plus other areas maintained by physical plant staff such as continuing education buildings and clinic space.

Existing Facilities Inventory

The facilities inventory for each university is designed using the format and definitions prescribed in the Postsecondary Education Facilities Inventory and Classification Manual, 1992, published by the U.S. Department of Education, National Center for Education Statistics. The inventory documentation consists of a file maintained by computer pursuant to the Physical Facilities Space File Specifications prepared by the State University System Office of Information Resources Management.

The inventory contains information about each site, each building, and each room that is owned, shared, or leased by a university. All spaces in buildings, including those that are permanent, temporary, or under construction that are in satisfactory condition are considered in computing the total existing assignable square footage. Assignable space is that which is available for assignment to and functionally usable by an occupant.

Auditorium/Exhibition Facilities

Auditorium/exhibition facilities are defined as rooms designed and equipped for the assembly of many persons for such events as dramatic, musical, devotional, livestock judging, or commencement activities or rooms or areas used for exhibition of materials, works of art, artifacts, etc. and intended for general use by faculty, students, staff and the public.

Service areas such as check rooms, ticket booths, dressing rooms, projection booths, property storage, make-up rooms, costume and scenery shops and storage, green rooms, multimedia and telecommunications control rooms, workrooms, and vaults are also included in this category.

The NASF need for auditorium/exhibition facilities is based on a space allotment of 3 NASF per FTE with a 25,000 NASF minimum facility allowance for main campuses.

Teaching Gymnasium Facilities

A teaching gymnasium is defined as a room or area used by students, staff, or the public for athletic or physical education activities. Included in this category are rooms generally referred to as gymnasiums, basketball courts, handball courts, squash courts, wrestling rooms, weight or exercise rooms, racquetball courts, indoor swimming pools, indoor putting areas, indoor ice rings, indoor tracks, indoor stadium fields,

and field houses. Service areas such as locker rooms, shower rooms, ticket booths, rooms for dressing, equipment, supply, storage, first-aid, towels, etc. are also included in this category.

The NASF need for teaching gymnasiums is based on a minimum facility for each main campus of 50,000 NASF for the first 5,000 FTE enrollment, plus an additional 3 NASF per FTE for enrollment over 5,000 FTE.

The room records from the inventory are used to determine the amount of existing square footage in each of the nine assignable space categories. Each room record is assigned a room use code and is grouped into the appropriate space category. For each of the nine space categories, the existing assignable square footage is deducted from the cumulative space need. The assignable square footage used to determine unmet space needs does not include those spaces for which the formula does not generate a need. Examples of excluded space are leased space, special purpose lab equipment areas such as a wind tunnel or linear accelerator, and intercollegiate athletics areas.

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C. EXECUTIVE SUMMARY OF THE CAMPUS MASTER PLAN

Florida Polytechnic University is the newest of the state's 12 public universities and the only polytechnic institution in the State University System of Florida. The new Florida Polytechnic campus in Lakeland opened for instruction in August of 2014. To date, campus construction has included the iconic Innovation, Science & Technology (IST) building, the first two campus residence halls, and smaller buildings that currently serve as Admissions Office, Wellness Center and Campus Control Center. Future development will proceed in accordance with this plan, the *Florida Polytechnic University Campus Master Plan 2015-2025,* which updates the 2010-2020 Master Plan that provided a framework for Phase 1 construction on the campus.

Florida Polytechnic University was formally established as Florida's 12th public university on July 10, 2012. Prior to its establishment as an independent university, the institution was part of the University of South Florida and occupied a joint-use campus with Polk State College in Lakeland. This is the first campus master plan prepared for Florida Polytechnic as an independent university.

Florida Statute (§ 1013.30 Fla. Stat.) requires campus master plans to be updated every five years. The statute also requires that plans contain elements relating to future land use, transportation, housing, general infrastructure, conservation, recreation and open space, intergovernmental coordination, and capital improvements. Optional elements may also be addressed; the University's academic mission and program is included in this plan but is not subject to review under the state requirements.

The Campus Master Plan includes goals, objectives and policies for each plan element. Each goal is preceded by a brief introduction and is followed by a series of objectives and policies. Overall, these goals, objectives and policies are intended to guide campus development for the 10-year planning horizon. Goals, objectives, policies and specific plan recommendations are based on supporting data as well as an evaluation of the goals, objectives and policies that were adopted in the 2010-2020 Master Plan (see Appendix 2: Data Collection and Analysis Report and Appendix 3: Evaluation and Appraisal Report for additional details). Illustrative master plan maps and graphics are included in Appendix 1 (Figures).

This plan has been developed in accordance with the requirements of § 1013.30 Fla. Stat. and Chapter 21 of the Florida Board of Governors Regulations. It has also been designed to promote the five guiding principles of Florida Polytechnic – Continuous Innovation, Empowerment, Responsiveness, Collaboration and Courage. It is the hope of all involved with the preparation of the master plan that the Florida Polytechnic campus will promote the University's mission to prepare students for a future where knowledge, innovation, adaptability and high-tech skills are needed to compete in a rapidly changing economy.

The 2015-2025 Campus Master Plan was adopted by the Florida Polytechnic University Board of Trustees on September 7, 2016 and it is available at the following link:
https://floridapolytechnic.org/wp-content/uploads/fpolytechnic_master_plan.pdf

Figure 1.3: **FUTURE LAND USE MAP**

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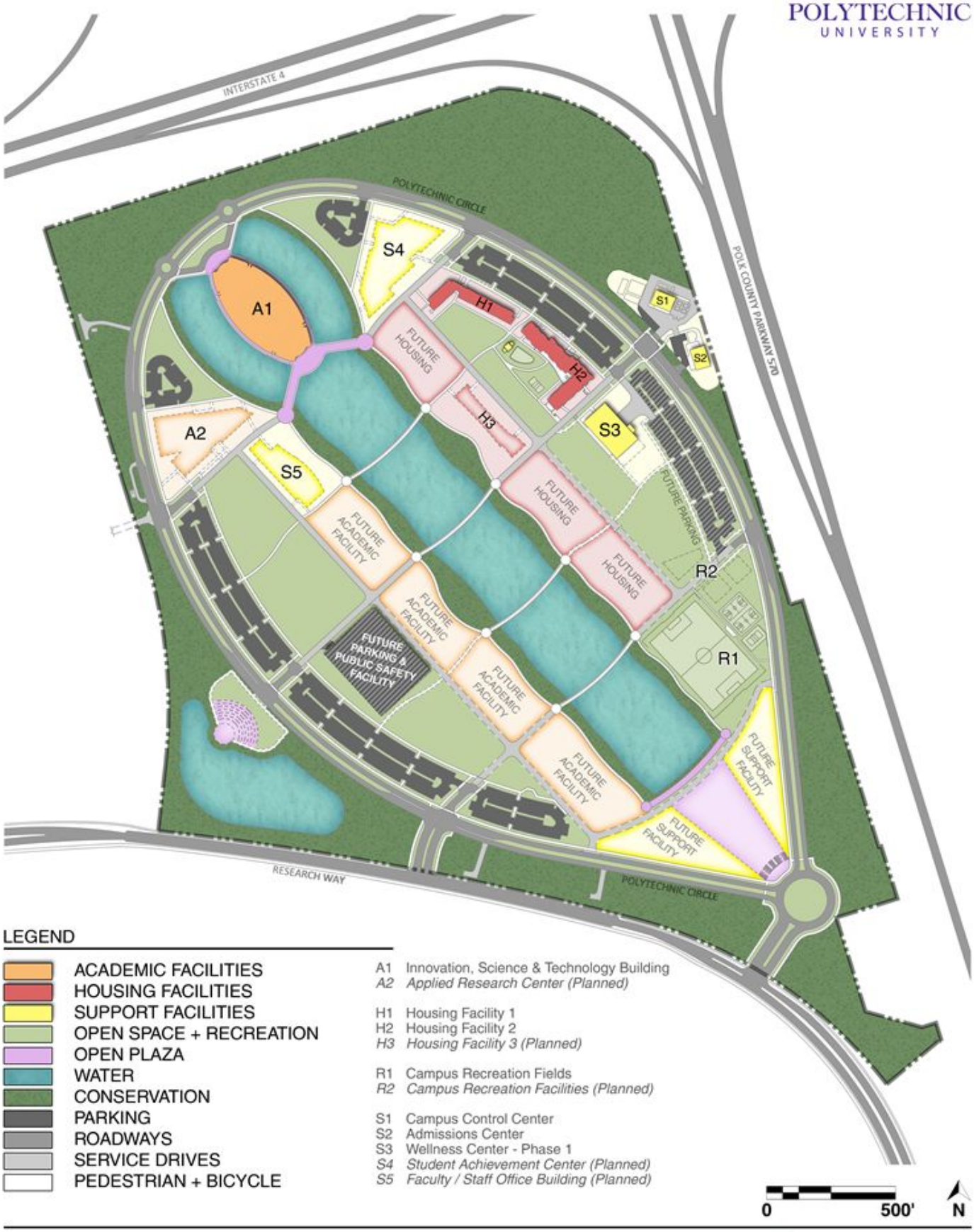

LEGEND

- ACADEMIC FACILITIES
- HOUSING FACILITIES
- SUPPORT FACILITIES
- OPEN SPACE + RECREATION
- OPEN PLAZA
- WATER
- CONSERVATION
- PARKING
- ROADWAYS
- SERVICE DRIVES
- PEDESTRIAN + BICYCLE

A1 Innovation, Science & Technology Building
A2 Applied Research Center (Planned)

H1 Housing Facility 1
H2 Housing Facility 2
H3 Housing Facility 3 (Planned)

R1 Campus Recreation Fields
R2 Campus Recreation Facilities (Planned)

S1 Campus Control Center
S2 Admissions Center
S3 Wellness Center - Phase 1
S4 Student Achievement Center (Planned)
S5 Faculty / Staff Office Building (Planned)

0 500' N

amec foster wheeler + STRAUGHN TROUT ARCHITECTS

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D. UNSATISFACTORY SPACE

Not applicable for Florida Polytechnic University as there is no unsatisfactory space to be demolished/terminated per Form B (1C).

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E. FLORIDA POLYTECHNIC UNIVERISTY PRESIDENT ACKNOWLEDGEMENT OF THE EDUCATIONAL PLANT SURVEY RECOMMENDATIONS

FLORIDA POLYTECHNIC UNIVERSITY

RECOMMENDATIONS OF EDUCATIONAL PLANT SURVEY (EPS) TEAM

FLORIDA POLYTECHNIC UNIVERSITY

Date: January 25, 2017

Validation Date: October 5, 2016
Needs Assessment Dates: November 14, 2016

Survey Team Members: Lori Pinkerton, Team Leader (FSU), Tamera Baughman (FGCU), Kenneth Ogletree (BOG), Brittany Farrior (BOG), Taylor Jones (BOG), Shacarra Sigler (BOG)

Site Improvements Recommendations:

1.1 Landscaping and Site Improvements – This is a general recommendation for landscaping and site improvements consistent with the adopted Campus Master Plan.

1.2 Utility Infrastructure – This is a general recommendation for items in the categories of chilled water and controls, electrical distributions, storm sewer, sanitary sewer, telecommunications, energy management control systems, irrigation, water distribution, steam equipment and distribution and roads. The project consists of improvements, extensions, modifications, and additions to the major utility systems consistent with the adopted Campus Master Plan.

1.2a Expansion of the University's existing chiller plant.

Remodeling/Renovation Recommendations:

2.1 Remodeling/renovation recommendations are in accordance with the net square footage as described in the Form B. Remodeling/renovation recommendations that yield no significant changes to existing space use categories are recommended.

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New Construction Recommendations:

Projects Based on Exception Procedure:

The Survey Team recognizes that Florida Polytechnic University (FPU) is a new start-up university. The Survey Team is recommending the following project utilizing the exception procedure. In their needs presentation, FPU presented data demonstrating a need for space supporting a request that will provide additional research and associated spaces. FPU identified companies that have recently partnered with them to collaborate with faculty and students on research. FPU's focus is on applied research on real world issues.

3.1 Applied Research Center

Demolition Recommendations: N/A

Special Purpose Center Recommendations:

This is a general recommendation for all work necessary to maintain the following facility:

6.1 Florida Industrial Phosphate Research Institute

Standard University-wide Recommendations:

SR1. Projects for safety corrections are recommended.

SR2. Projects for corrections or modifications necessary to comply with the Americans with Disabilities Act are recommended.

SR3. Expansion, replacement and upgrading of existing utilities/infrastructure systems to support projects identified within this Educational Plant Survey are recommended.

SR4. Projects requiring renovations to space vacated in conjunction with new construction that result in no significant changes in space categories, are recommended.

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Notes:

A. University is to write recommendation text in accordance with current Educational Plant Survey format criteria.

B. The Survey Team requires that projects recommended for approval are to be incorporated into the Master Plan update(s).

C. The Survey Team recommendations to the Board of Governors cannot exceed 100% of space needs met by formula in any of the nine (9) space categories. Any project that exceeds 100% of needs met must be modified to ensure approval 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.

D. Supplemental surveys are required if any changes to project scope result in a space category exceeding 100% of formula-driven need.

Acknowledgement on January 25, 2017

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President, Randy Avent

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F. STATE UNIVERSITY CHECKLIST FOR SUBMITTING EDUCATIONAL PLANT SURVEY REPORTS TO FLORIDA BOARD OF GOVERNORS FOR REVIEW

Revised January 27, 2017

This checklist is to be used by the university before submitting state university educational plant survey reports pursuant to Section 1013.31(1)(a), Florida Statutes. Checking the survey report against this list will indicate if the report is complete and ready for submission.

A checkmark (✓) beside an item number indicates the answer is "Yes;" an ex (×) beside a number indicates "No."

1. Name of university: Florida Polytechnic University

2. Date of previous five-year survey: N/A

3. Date of this survey: October 5, 2016 (Space Validation) and November 14, 2016 (Needs Assessment)

4. New survey out year: 2022

5. ✓ Was the survey report made publicly available on the university web site and its location relayed to the Board of Governors (BOG)?

6. × If the university is printing the survey report, were three copies submitted to the BOG? Electronic copy was provided

7. ✓ Was the survey conducted only for official sites, as defined by BOG Regulation 8.009?

8. ✓ Is each site, per BOG 8.009, described in the report by its number, name, type, date it was established, address, acreage, and the number of buildings it contains?

9. ✓ Throughout the report, are sites referred to by name and number?

10. ✓ Do FTE figures used in the survey report match those in the five-year planned enrollments?

11. ✓ Does the survey report include a table showing total Capital Outlay Full Time Equivalent (COFTE) for the university, by level of student within each site, for the five years of the survey?

12. ✓ Does the survey report include a table for each site showing COFTE by discipline category within level of student for the survey out year?

13. ✓ Have all space needs been generated correctly?

14. ✓ Are the generated aggregate amounts of square feet for the space categories for each site included in the space category aggregate square footage summary table for the site?

15. ✓ Is a copy of a site plan showing building locations attached for each site?

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16. ✓ Does the survey report contain a table for each site which lists the buildings on that site describing each by number, name, status, condition and area in assignable square feet, non-assignable square feet, and gross square feet?

17. ✓ Throughout the report, are buildings referred to by number and name?

18. ✓ Does the survey report contain recommendations for each site?

19. ✓ Are the recommendations limited to fixed capital outlay items such as the acquisition, remodeling, renovation, and construction of real property?

20. ✓ Does each recommendation contribute to resolving differences between the existing educational and ancillary plants and the determination of future needs?

21. ✓ Does the survey report contain a space category aggregate square footage table for each site which shows by the nine space categories the amounts of square feet needed, amounts of satisfactory square feet existing, changes caused by remodeling, renovation, and new construction recommendations, and the total amounts of square feet planned?

22. ✓ Are the amounts of square feet planned the same as the amounts of square feet needed?

The Educational Plant Survey for Florida Polytechnic University was approved by the University Board of Trustees on March 15, 2017.

Dr. Randy K. Avent, University President

5/17/17
Date

Frank T. Martin, Chair, Board of Trustees

May 17, 2017
Date

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G. BUILDING SYSTEM CONDITIONS SURVEY FORMS

Not applicable for Florida Polytechnic University as no building was recommended by the Educational Plant Survey for extensive remodeling and/or demolition.

FLORIDA POLYTECHNIC UNIVERSITY

H. SITE INVENTORY REPORT

Site Number	Site Name/Address/City/County/Zip	Site Type	Site Acreage	Date Established	Number of Buildings
0012	JD Alexander Florida Polytechnic Main Campus 4700 Research Way Lakeland Polk 33805	Main	530.87	2012	9
0047	Florida Industrial and Phosphate Institute 1855 W Main Street Bartow Polk 33830	SPC	8	2012	8