Fiscal Year FY 2021-2022

Agency Budget Plan

FORM A - BUDGET PLAN SUMMARY

OPERATING REQUESTS (FORM B1)	For FY 2021-2022, my agency is (mark "X"):
	X Requesting General Fund Appropriations.
	Requesting Federal/Other Authorization.
	Not requesting any changes.

NON-RECURRING REQUESTS (FORM B2)	For FY 2021-2022, my agency is (mark "X"):
	X Requesting Non-Recurring Appropriations.
	Requesting Non-Recurring Federal/Other Authorization.
	Not requesting any changes.

CAPITAL REQUESTS (FORM C)	For FY 2021-2022, my agency is (mark "X"):
	X Requesting funding for Capital Projects.
	Not requesting any changes.

PROVISOS (FORM D)	For FY 2021-2022, my agency is (mark "X"):
	Requesting a new proviso and/or substantive changes to existing provisos.
	Only requesting technical proviso changes (such as date references).
	X Not requesting any proviso changes.

Please identify your agency's preferred contacts for this year's budget process.

	Name	*Phone*	*Email*
PRIMARY CONTACT:	Kelly Epting	(803) 777-8411	eptingk@mailbox.sc.edu
SECONDARY CONTACT:	Kevin Russell	(803) 777-0781	russelkr@email.sc.edu

I have reviewed and approved the enclosed FY 2021-2022 Agency Budget Plan, which is complete and accurate to the extent of my knowledge.

	Agency Director	*Board or Commission Chair*
SIGN/DATE:	*(signature)*	*(signature)*
TYPE/PRINT NAME:	Robert L. Caslen Jr.	C. Dorn Smith III

This form must be signed by the agency head – not a delegate.

Agency Name:	USC - Upstate
Agency Code:	H340
Section:	20C

BUDGET REQUESTS			FUNDING					FTES				
Priority	Request Type	Request Title	State	Federal	Earmarked	Restricted	Total	State	Federal	Earmarked	Restricted	Total
1	B1 - Recurring	Access and Affordability for In-State Students – Tuition Mitigation Funding	754,200	0	0	0	754,200	0.00	0.00	0.00	0.00	0.00
2	B2 - Non-Recurring	Cybersecurity and Networking Lab Upgrades	500,000	0	0	0	500,000	0.00	0.00	0.00	0.00	0.00
3	B2 - Non-Recurring	Refresh Student Laptop Loaner Program	88,050	0	0	0	88,050	0.00	0.00	0.00	0.00	0.00
4	B2 - Non-Recurring	Expand Outdoor Wi-Fi Service	90,000	0	0	0	90,000	0.00	0.00	0.00	0.00	0.00
5	C - Capital	Health Education Mechanical System Repairs	9,000,000	0	0	0	9,000,000	0.00	0.00	0.00	0.00	0.00
6	C - Capital	Academic Annex (addition to the Library)/Mechanical Renovation to the Library	17,000,000	0	0	0	17,000,000	0.00	0.00	0.00	0.00	0.00
7	C - Capital	Deferred Maintenance (1:1 Match)	1,000,000	0	0	0	1,000,000	0.00	0.00	0.00	0.00	0.00
TOTALS			28,432,250	0	0	0	28,432,250	0.00	0.00	0.00	0.00	0.00

Agency Name:	USC - Upstate		
Agency Code:	H340	Section:	20C

FORM B1 – RECURRING OPERATING REQUEST

AGENCY PRIORITY	**1**

Provide the Agency Priority Ranking from the Executive Summary.

TITLE	**Access and Affordability for In-State Students – Tuition Mitigation Funding**

Provide a brief, descriptive title for this request.

AMOUNT	**General: $754,200** **Federal: $0** **Other: $0** **Total: $754,200**

What is the net change in requested appropriations for FY 2021-2022? This amount should correspond to the total for all funding sources on the Executive Summary.

NEW POSITIONS	**0.00**

Please provide the total number of new positions needed for this request.

FACTORS ASSOCIATED WITH THE REQUEST	**Mark "X" for all that apply:**	
	X	Change in cost of providing current services to existing program audience
		Change in case load/enrollment under existing program guidelines
		Non-mandated change in eligibility/enrollment for existing program
		Non-mandated program change in service levels or areas
		Proposed establishment of a new program or initiative
		Loss of federal or other external financial support for existing program
		Exhaustion of fund balances previously used to support program
		IT Technology/Security related
		Consulted DTO during development
		Related to a Non-Recurring request – If so, Priority #

STATEWIDE ENTERPRISE STRATEGIC OBJECTIVES	**Mark "X" for primary applicable Statewide Enterprise Strategic Objective:**	
	X	Education, Training, and Human Development
		Healthy and Safe Families
		Maintaining Safety, Integrity, and Security
		Public Infrastructure and Economic Development
		Government and Citizens

ACCOUNTABILITY OF FUNDS	*Up. Together:* USC Upstate Strategic Plan 2018-2023 Strategic Priority 3.0: Provide rigorous, career relevant, and accessible Education Objective 1: Offer innovative, career relevant academic programs Objective 3: Expand high-impact experiential learning

What specific strategy, as outlined in the most recent Strategic Planning and Performance Measurement template of agency's accountability report, does this funding request support? How would this request advance that strategy? How would the use of these funds be evaluated?

RECIPIENTS OF	Use of these funds benefits the University of South Carolina Upstate student body and the faculty/administrative staff who serve them. Funds would not be allocated outside of the University but would be used internally.

FUNDS	

What individuals or entities would receive these funds (contractors, vendors, grantees, individual beneficiaries, etc.)? How would these funds be allocated – using an existing formula, through a competitive process, based upon predetermined eligibility criteria?

JUSTIFICATION OF REQUEST

The top legislative and budget priority for the University of South Carolina System remains partnering with the state to invest in funding to mitigate tuition through passage of legislation such as the Higher Education Opportunity Act (HEOA). Among other important provisions, HEOA would establish two dedicated funding streams for higher education for the principle purpose of increasing access and affordability for in-state students. This new approach would provide predictable revenue for colleges while allowing policymakers to maintain, higher education spending as a share of the overall state budget. HEOA's important but modest new funding sources for higher education, which does not require a tax increase or a reallocation from other important areas of state spending to provide. Importantly, HEOA would come with a new statutory requirement that colleges must freeze tuition for one year and cap tuition growth to a rate at or below inflation (as measured by the Higher Education Price Index (HEPI)) each year thereafter. The University of South Carolina system has frozen tuition in FY21 despite the impact of COVID-19.

In the spirit of HEOA, and out of a genuine desire to partner with the state to freeze tuition and required fees for in-state students next year, the UofSC System is requesting a modest increase in recurring funding as outlined below. These funds would enable the System to offset a portion of the rise in basic inflationary costs it faces as well as strategic initiatives to improve access to higher education for students across South Carolina.

Therefore, USC Upstate respectfully requests $754,200 in new recurring funds. Importantly, this funding would allow the University to freeze tuition and required fees for in-state residents next year by covering the following basic inflationary cost increases including state mandated cost increases:

Estimated 1% retirement for USC Upstate - $365,000

Estimated health insurance for USC Upstate - $284,900

Estimated required cost increases for basic operations including utilities and inflation of goods and services - $104,300

Total estimated inflationary and mandated cost increases - $754,200

(Estimates are preliminary and subject to change and do not include costs associated with important University excellence and/or other strategic initiatives.)

*Note: Absent appropriation of these additional funds to cover such a state mandate, the University would request flexibility from the state to limit its increase to in-state students, if any, to an amount necessary to account for the unfunded portion of mandates (to include retirement, health and/or COLA) not covered by the University's final state appropriation.

Note: This retirement estimate represents USC Upstate's increased cost to implement year four of the state's recent pension reform which is phasing-in an increase to the employer share of the state's required pension contribution rate, which was 6.85% in FY2004 and will rise to 18.56% by FY2023 as required by state law.

This request is similar to the request made for FY2020 for which the state awarded more than $18 million in new recurring funding across the entire System. With those funds available to help cover the cost of mandated increases USC Columbia was able to hold tuition growth to the lowest increase in more than 20 years at 0.6% (a rate almost 80% below inflation); the three comprehensive universities completely froze tuition growth to 0.0% as did the four Palmetto College campuses (including Online). The entire UofSC System is grateful for this support without which this tuition mitigation would not have been possible.

The State of South Carolina needs—and the HEOA provides—a comprehensive legislative package to restore state investment and create a sustainable funding model for higher education that:

- Develops a new funding model that rewards institutions for educating South Carolinians;

- Resumes reliable state investments in assets and infrastructure through capital bond bills or other dedicated sources;
- Removes burdensome and duplicative bureaucratic red tape;
- Increases state investment in need-based aid programs that increases opportunity for students from low-income families.

The HEOA does each of these and in doing so establishes a system that keeps tuition increases in check.

This new funding model is important because in 2000 higher education funding was 14.6% of the state budget, by 2008 it had fallen to less than 12% and, despite state revenue having increased by more than $3.5 billion since the end of the Great Recession, funding for higher education has continued to decline, representing just 7.6% of the state budget today. In fact, the key finding of a recent Legislative Audit Council report is that since FY2001 funding for higher education has been reduced by half and that the state has underfunded higher education by a cumulative $4 billion in statutorily required funding over that 17-year period.

Working together we began to reverse this trend over the two years. The progress must continue and this budget request, while modest, when coupled with the thoughtful and long-term reforms contemplated under HEOA will work in concert to advance access, affordability and excellence in public higher education across South Carolina.

The UofSC System agrees with Governor McMaster, who wrote last year: "I hope that this one-year tuition freeze will serve as the first step toward a **_comprehensive overhaul of higher education funding and tuition reform_**." The UofSC System genuinely believes that HEOA represents that reform and we look forward to working with the Governor and the General Assembly to secure its passage this legislative session.

Higher education is the key to our state's future economic and overall prosperity. Our state needs 70,000 additional baccalaureate degree holders above current graduation rates to meet the needs of business and industry by 2030. As the state's largest education provider, the UofSC System is meeting those needs for highly educated, in-demand and employable graduates in high need areas. With appropriate investment and partnership from the state, South Carolina can have the most cost-efficient and cost-effective higher education sector in the country.

Please thoroughly explain the request to include the justification for funds, potential offsets, matching funds, and method of calculation. Please include any explanation of impact if funds are not received. If new positions have been requested, explain why existing vacancies are not sufficient.

Agency Name:	USC - Upstate		
Agency Code:	H340	Section:	20C

FORM B2 – NON-RECURRING OPERATING REQUEST

AGENCY PRIORITY	2

Provide the Agency Priority Ranking from the Executive Summary.

TITLE	Cybersecurity and Networking Lab Upgrades

Provide a brief, descriptive title for this request.

AMOUNT	$500,000

What is the net change in requested appropriations for FY 2021-2022? This amount should correspond to the total for all funding sources on the Executive Summary.

FACTORS ASSOCIATED WITH THE REQUEST	**Mark "X" for all that apply:**	
		Change in cost of providing current services to existing program audience
		Change in case load/enrollment under existing program guidelines
		Non-mandated change in eligibility/enrollment for existing program
		Non-mandated program change in service levels or areas
		Proposed establishment of a new program or initiative
		Loss of federal or other external financial support for existing program
	X	Exhaustion of fund balances previously used to support program
	X	IT Technology/Security related
		Consulted DTO during development
	X	Request for Non-Recurring Appropriations
		Request for Federal/Other Authorization to spend existing funding
		Related to a Recurring request – If so, Priority #

STATEWIDE ENTERPRISE STRATEGIC OBJECTIVES	**Mark "X" for primary applicable Statewide Enterprise Strategic Objective:**	
	X	Education, Training, and Human Development
		Healthy and Safe Families
		Maintaining Safety, Integrity, and Security
		Public Infrastructure and Economic Development
		Government and Citizens

ACCOUNTABILITY OF FUNDS	Goal 1: - Providing rigorous, career relevant and accessible education 1.3 Expand high-impact experiential learning 1.4 Prepare students for successful careers and lives through developing core competencies A virtual environment would provide all students and instructors an isolated, hand-on test bed to analyze malicious applications and traffic without causing permanent damage to the lab equipment and network. Program evaluation and external reviews by other schools, employers of the program graduates and accreditors will be the primary method for evaluation.

What specific strategy, as outlined in the most recent Strategic Planning and Performance Measurement template of agency's accountability report, does this funding request support? How would this request advance that strategy? How would the use of these funds be evaluated?

RECIPIENTS OF FUNDS	Vendors would receive funds for equipment purchased. Contractors would receive funds necessary for facility renovations and equipment installation/configuration.

What individuals or entities would receive these funds (contractors, vendors, grantees, individual beneficiaries, etc.)?

	This request for funding to upgrade two existing Computer Science labs is a one-time request in order to provide students an improved environment for training in many areas of the discipline. The Computer Science program provides students with courses that prepare them for a number of different career paths in the world of Information Technology to include Software Engineers, Network Engineers, Security Engineers, Server Administrators, Database Administrators, and many more relevant and lucrative careers. These careers are continually evolving and have a large unfilled demand for trained individuals. This has attracted many more students to pursue degrees in our Computer Science or Computer Information Systems programs. These two programs at USC Upstate have seen significant growth and consistent student demand, doubling in size in the last decade (123 majors in 2008 to 250 majors in 2018). A newer area in the Computer Science field—cybersecurity—has been rapidly expanding. A report by Burning Glass Technologies indicates that demand for cybersecurity jobs in the US has nearly doubled since 2013, a rate almost three times faster than all other IT sectors. This demand exists in South Carolina and across the southeastern region. CyberSeek reports over 3,000 cybersecurity sector job openings in SC alone, and when expanding out to the southeastern region, there are as many as 49,000 jobs in the sector. Furthermore, both SC and the SE region have a "very low" workforce supply/demand ratio of only 2.5 qualified applicants for every job posting (compared to a national average of 5.8 for all jobs). To meet these needs, USC Upstate implemented a new Bachelor of Science in Cybersecurity in August 2020. The program is both technical and hands-on in nature. The courses in this new program, in addition to courses in both the Computer Science and Computer Information Systems degrees, require updated equipment and infrastructure in order to provide students the appropriate education needed to train them for satisfying careers in these fields. Despite the growth in Computer Science, Computer Information Systems, and the anticipated success of the new Cybersecurity program, there is only one computer lab suitable to house all of the networking and security courses required for all majors. Recently, the University demonstrated commitment to the programs by dedicating some one-time funds for upgrades to the lab. (One very important upgrade was to put the lab on its own network, which is critical for offering security classes.) After using the funds to make upgrades, that room still has the following limitations, however: 1. The room is not very large and can accommodate a maximum of 18 students, hampering program growth. Furthermore, there is little to no room to walk around or pull out equipment to work with, hampering the type of hands-on instruction best for these programs. 2. The current workbench environment does not provide the proper air flow for the number of computers needed in the lab. 3. The funds previously used in the upgrade were exhausted before a virtual environment could be configured. A virtual environment would provide all students and instructors an isolated, hand-on test bed to analyze malicious applications and traffic without causing permanent damage to the lab equipment and network. 4. The room still has some equipment that is very outdated and lacks many current industry hardware and software components. The switches and routers used in instruction lack some of the current protocols used to isolate and manage live network traffic. The current switches are limited to being configured at 10/100 Megabits per second, where most modern devices and networking components operate at 1, 10, 40, or 100 Gigabits per second. 5. The table/desks in the room are wooden, oversized, and not movable. This exacerbates the space problem mentioned previously and hampers active learning. 6. The lab is lacking many useful software packages and equipment that could significantly increase student learning by simulating attacks an organization may encounter. We also plan to renovate the classroom beside that lab. This renovation would have several benefits: 1. This room is bigger than the existing lab and could accommodate more students. 2. A true network closet could be built to house and maintain the servers and network equipment. 3. The room shares a wall with the existing lab, which would make sharing resources between the rooms very simple and cost-effective. If a true network closet is built, both rooms could share the isolated internet connection, the virtual desktop/server environment, and networking components. 4. An additional classroom would allow us to provide more course offerings and sections to accommodate the growing programs. Obtaining the funds to make these changes to the lab would have a significant impact on many students at USC Upstate and allow us to help fill the great need in South Carolina for skilled individuals in IT.
JUSTIFICATION OF REQUEST	

Equipment/Software	Cost	Installation/ Configuration	Qty.	Total purchase cost excluding tax
Switches	$6,500.00	$3,600.00	6	$42,600.00
Router with power supplies and cable	$6,183.26	$5,400.00	2	$17,766.52
Hypervisor (Server) VMServer	$18,115.97	$5,400.00	3	$59,747.91
Software used for Cybersecurity such as Metasploit or Nexpose	$80,000.00	$9,000.00	1	$89,000.00
Network Access Control Software	$35,000.00		1	$35,000.00
Fiber tester	$992.99		2	$1,985.98
Audiovisual replacement	$3,500.00	$300.00	2	$7,300.00
New AV Screen or Monitor	$850.00		1	$850.00
KVM	$1,319.00		2	$2,638.00
Air consoles	$329.00		2	$658.00
Android Phones	$150.00		30	$4,500.00
Mobile Bench with Cabinet	$600.00		2	$1,200.00
Classroom mobile storage cabinet	$660.00		2	$1,320.00
Tables 266	$450.00		11	$4,950.00
Tables 265	$450.00		13	$5,850.00
Chairs 266	$309.00		20	$6,180.00
Chairs 265	$309.00		24	$7,416.00
Desktops 265	$1,558.89		30	$46,766.70
Desktop Monitors	$109.81		30	$3,294.30
Large Wall Monitors 265	$1,500.00		4	$6,000.00
Large Monitors 266	$1,500.00		4	$6,000.00
Smart Board 265	$5,000.00		1	$5,000.00
Smart Board 266	$5,000.00		1	$5,000.00
SFP module for switches	$1,279.00		10	$12,790.00
Fiber SFP (gbic) provide 10 gig internal	$2,500.00		12	$30,000.00
Fiber Connectors	$23.00		50	$1,150.00
Label maker	$150.00		2	$300.00
Patch Panel and cabling ends (RJ-45 connectors)	$1,500.00		1	$1,500.00
UPS	$1,681.78		3	$5,045.34
Rack to in install equipment	$2,200.00	$1,500.00	3	$8,100.00
Cabling trays	$4,500.00		1	$4,500.00
RJ-45 connections	$100.00		5	$100.00
Removing Cabinets and room remodel	20,091.25		1	$20,091.25
Flooring Remodel and Cabling Raised	$12,000.00	$8,000.00	1	$20,000.00
Closet Build	$15,000.00		1	$15,000.00
Additional Power to rooms	$8,000.00		1	$8,000.00
Installation of network cabling and racks	$125.00		80	$10,000.00
Cabling for lab installation	$300.00		8	$2,400.00
TOTAL:				$500,000.00

Please thoroughly explain the request to include the justification for funds, potential offsets, matching funds, and method of calculation. Please include any explanation of impact if funds are not received. If new positions have been requested, explain why existing vacancies are not sufficient.

Agency Name:	USC - Upstate		
Agency Code:	H340	Section:	20C

FORM B2 – NON-RECURRING OPERATING REQUEST

AGENCY PRIORITY	3

Provide the Agency Priority Ranking from the Executive Summary.

TITLE	Refresh Student Laptop Loaner Program

Provide a brief, descriptive title for this request.

AMOUNT	$88,050

What is the net change in requested appropriations for FY 2021-2022? This amount should correspond to the total for all funding sources on the Executive Summary.

FACTORS ASSOCIATED WITH THE REQUEST	**Mark "X" for all that apply:**	
	X	Change in cost of providing current services to existing program audience
		Change in case load/enrollment under existing program guidelines
		Non-mandated change in eligibility/enrollment for existing program
		Non-mandated program change in service levels or areas
		Proposed establishment of a new program or initiative
		Loss of federal or other external financial support for existing program
		Exhaustion of fund balances previously used to support program
	X	IT Technology/Security related
		Consulted DTO during development
	X	Request for Non-Recurring Appropriations
		Request for Federal/Other Authorization to spend existing funding
		Related to a Recurring request – If so, Priority #

STATEWIDE ENTERPRISE STRATEGIC OBJECTIVES	**Mark "X" for primary applicable Statewide Enterprise Strategic Objective:**	
	X	Education, Training, and Human Development
		Healthy and Safe Families
		Maintaining Safety, Integrity, and Security
		Public Infrastructure and Economic Development
		Government and Citizens

ACCOUNTABILITY OF FUNDS	Goal 1: - Providing rigorous, career relevant and accessible education 1.2 Improve student retention toward graduation 1.3 Expand high-impact experiential learning 1.5 Increase undergraduate and graduate enrollment When students need to borrow a laptop from the Division of Information Technology Helpdesk, they should have access to a computing unit that is modern, dependable, and operates in a manner that enables student education. Helpdesk management will evaluate the laptop check-out program to ensure that laptops remain in high-performing operational states.

What specific strategy, as outlined in the most recent Strategic Planning and Performance Measurement template of agency's accountability report, does this funding request support? How would this request advance that strategy? How would the use of these funds be evaluated?

RECIPIENTS OF FUNDS	Vendors (Dell) would receive funds for equipment purchased. 150 laptops X $587/unit = $88,050.

JUSTIFICATION OF REQUEST	When students check out laptops from the Division of Information Technology Helpdesk, they receive outdated and well-used laptops that have moved from full-time employees into the laptop loaner program.
	The continued use of the aged laptops means that students are lent laptops with an age range of five to eight years old. While the Helpdesk has done an admirable job in piece-milling together a loaner laptop program for students, the loaner laptops need excessive work to remain operational. The well-used equipment is often too slow for use by full-time employees, and the units often need frequent servicing, even before the unit's return date.
	The primary reason students need to borrow laptops is that their personal laptops fail, and time-sensitive work requires quick access to a computer. Helpdesk wants to provide better laptops than we currently have – laptops that can dependably beneficial to students and not add another layer of stress by failing students during critical needs.
	Acquiring a fresh set of loaner laptops will allow Helpdesk to provide students with far better access to dependable and faster mobile computers, assisting students with course work when their equipment fails. A set of new laptops in the loaner program is expected will increase the speed in which laptops can be prepared for loaning, remain functioning during the infinite about of time the students are using the units, and be useful for more complex work.

Agency Name:	USC - Upstate		
Agency Code:	H340	Section:	20C

FORM B2 – NON-RECURRING OPERATING REQUEST

AGENCY PRIORITY	4

Provide the Agency Priority Ranking from the Executive Summary.

TITLE	Expand Outdoor Wi-Fi Service

Provide a brief, descriptive title for this request.

AMOUNT	$90,000

What is the net change in requested appropriations for FY 2021-2022? This amount should correspond to the total for all funding sources on the Executive Summary.

	Mark "X" for all that apply:
FACTORS ASSOCIATED WITH THE REQUEST	X — Change in cost of providing current services to existing program audience
	☐ Change in case load/enrollment under existing program guidelines
	☐ Non-mandated change in eligibility/enrollment for existing program
	☐ Non-mandated program change in service levels or areas
	☐ Proposed establishment of a new program or initiative
	☐ Loss of federal or other external financial support for existing program
	☐ Exhaustion of fund balances previously used to support program
	X — IT Technology/Security related
	☐ Consulted DTO during development
	X — Request for Non-Recurring Appropriations
	☐ Request for Federal/Other Authorization to spend existing funding
	☐ Related to a Recurring request – If so, Priority #

	Mark "X" for primary applicable Statewide Enterprise Strategic Objective:
STATEWIDE ENTERPRISE STRATEGIC OBJECTIVES	X — Education, Training, and Human Development
	☐ Healthy and Safe Families
	☐ Maintaining Safety, Integrity, and Security
	☐ Public Infrastructure and Economic Development
	☐ Government and Citizens

ACCOUNTABILITY OF FUNDS	Goal 1: - Providing rigorous, career relevant and accessible education 1.2 Improve student retention toward graduation 1.3 Expand high-impact experiential learning 1.5 Increase undergraduate and graduate enrollment Outdoor spaces that are used by students could be used even more if better Wi-Fi service is available to students. Helpdesk management will evaluate the laptop check-out program to ensure that laptops remain in high-performing operational states.

What specific strategy, as outlined in the most recent Strategic Planning and Performance Measurement template of agency's accountability report, does this funding request support? How would this request advance that strategy? How would the use of these funds be evaluated?

RECIPIENTS OF FUNDS	Vendor would receive funds for equipment and licensing purchased. Technology hardware & licensing = $90,000

What individuals or entities would receive these funds (contractors, vendors, grantees, individual beneficiaries, etc.)?

JUSTIFICATION OF REQUEST	USC Upstate students want to enjoy outdoor living as they study, relax, and collaborate. This desire to be outside while on campus seems even more pronounced during the restricted season of COVID-19. In support of students wanting and needing to take advantage of more outdoor spaces, the Division of Information Technology (IT) wants to improve and expand the Wi-Fi coverage in the outdoor areas. The current Wi-Fi solution used for outdoor service is not robust enough for the number of technology devices in the area nor provides enough coverage for outdoor locations. The current solution is an indoor solution that was retrofitted to function as outdoor units. The retrofitted solution was a best-effort approach that the University could afford at the time. The solution works well enough when students are very close to buildings and in the Winter when trees do not have foliage. However, problems with the Wi-Fi service become painfully evident as students move a little farther away from the buildings and when trees have foliage during Spring, Summer, and most of Autumn. Additionally, some of the best places to live outside are in the shaded areas, under trees with heavy foliage, which is also much farther away from buildings with Wi-Fi service. IT will enhance the outdoor Wi-Fi units by expanding the Wi-Fi service, providing far better coverage throughout the year, regardless of the season. Additionally, IT will expand the outdoor Wi-Fi service to several places on campus currently not covered. While even more outdoor spaces will be covered in future Wi-Fi expansions, this expansion will serve our students well by enabling them to enjoy the outdoor environment while remaining engaged with Wi-Fi service. A few new Wi-Fi service locations will be around the residential halls of Magnolia House, Palmetto House, and the Arboretum - near the residential halls. - Approximately 45 external APs with 5-year licenses: $54,000 - Outdoor boxes and mounting equipment: $13,500 - Power conversion from light posts to AP: $18,000 - Miscellaneous cabling and adapters: $4,500 $90,000

Agency Name:	USC - Upstate		
Agency Code:	H340	Section:	20C

FORM C – CAPITAL REQUEST

AGENCY PRIORITY	5
	Provide the Agency Priority Ranking from the Executive Summary.

TITLE	Health Education Mechanical System Repairs
	Provide a brief, descriptive title for this request.

AMOUNT	$9,000,000
	How much is requested for this project in FY 2021-2022? This amount should correspond to the total for all funding sources on the Executive Summary.

CPIP PRIORITY	This initiative for system repair expenditures is noted as priority 4 on CPIP.
	Identify the project's CPIP plan year and priority number, along with the first year in which the project was included in the agency's CPIP. If not included in the agency's CPIP, please provide an explanation. If the project involves a request for appropriated state funding, briefly describe the agency's contingency plan in the event that state funding is not made available in the amount requested.

OTHER APPROVALS	To the extent necessary by policy or regulation, approvals from the University Institutional Board, CHE, JBRC and SFAA must be secured.
	What approvals have already been obtained? Are there additional approvals that must be secured in order for the project to succeed? (Institutional board, JBRC, SFAA, etc.)

LONG-TERM PLANNING AND SUSTAINABILITY	The University prioritizes and addresses deferred maintenance issues annually from institutional funds. If the state does not provide additional funds for this purpose, available funds will be leveraged to address those maintenance needs deemed most critical. This proposed repair is not a deferred maintenance project since it has consistently underperformed and has not functioned as designed since occupancy after original construction.
	What other funds have already been invested in this project (source/type, amount, timeframe)? Will other capital and/or operating funds for this project be requested in the future? If so, how much, and in which fiscal years? Has a source for those funds been identified/secured? What is the agency's expectation with regard to additional annual costs or savings associated with this capital improvement? What source of funds will be impacted by those costs or savings? What is the expected useful life of the capital improvement?

Maintenance is a continued cost of ensuring the learning infrastructure is managed in a manner to maximize the educational use while maintaining a strong sense of stewardship for the assets and available resources. Key focus is upon using funds on life and safety maintenance matters to maintain an efficient and effective operation of USC Upstate's educational missions.Appropriated funds would only be utilized for repairs of E&G facilities and modular lease space for displacement of building occupants: Education, Nursing, Enrollment and Bookstore and would not be used for new construction.History: Over the past decade since substantial completion of the original building construction we have experienced chilled water (CW) flow problems in this facility. Several mechanical system components have been replaced in an effort to resolve the cooling problem. During the past 12 months beginning in summer 2019 we experienced significant reduction in cooling capacity serving the Bookstore which is the first air handler fed from the main CW loop. We have systematically started replacing components to include, valve, sensors, controls and most recently the air-handler unit (AHU) cooling coil and a section of CW piping which we found significant blockage. We have employed a mechanical engineer to oversee our observations/findings in an effort to

SUMMARY

document and determine the extent of the CW line blockage.Description: This project will replace the cooling portion of mechanical system including air handlers, pumps, chiller and cold water distribution piping. The building has approximately 150,000 square feet of gross area and is experiencing mechanical system failure in various locations due to component failures that we think are caused by sediment in the CW loop system. Justification: The building is experiencing equipment failure and it is difficult to make effective and long-lasting repairs due to the systemic challenges of the existing conditions that compound repair difficulty. This building provides Nursing and Education Classrooms, Registrar's Office, Bookstore, Recreation Center, Food Court and Dean/Faculty Offices. Alternatives Considered: Continue to make repairs as needed however our concern is that we will experience sudden major system failure that requires total replacement as requested by this document that will impair the ability to use the building. Description - Option 1CostCommentsDemo $ 240,000 New Mech. Replacement $ 2,400,000 Based on $8,000 x 300 tonsMisc. patchwork $ 240,000 Design contingency $ 288,000 AE Design + soft cost: Mechanical $ 432,000 Misc. $ 200,000 Lease space modular $ 1,716,000 Modular infrastructure $ 150,000 Modular contingency $ 93,300 AE Design + soft cost: Modular $ 93,300 Project contingency $ 585,260 Grand Total $ 6,437,860 Modular Area Bookstore10K in May - JulyDelivery Area / Loading Dock1K in May - JulyEnrollment Services10K in May - JulyNursing: Classrooms, Labs, Offices 33,000 Use in Fall SemsterEducation: Classrooms, Offices18K in Spring SemesterCirculation 9,900 Total SF 42,900 Cost/SF 1,716,000 12 month lease based on $40/SF using historical data - VERIFYDescription - Option 2CostCommentsDemo $ 240,000 New Mech. Replacement $ 2,400,000 Based on $8,000 x 300 tonsMisc. patchwork $ 240,000 Design contingency $ 288,000 AE Design + soft cost: Mechanical $ 432,000 Misc. $ 200,000 Lease space modular $ 3,744,000 Modular infrastructure $ 150,000 Modular contingency $ 194,700 AE Design + soft cost: Modular $ 194,700 Project contingency $ 808,340 Grand Total $ 8,891,740 Modular Area Bookstore 10,000 Delivery Area / Loading Dock 1,000 Enrollment Services 10,000 Nursing: Classrooms, Labs, Offices 33,000 Education: Classrooms, Offices 18,000 Circulation 21,600 Total SF 93,600 Cost/SF 3,744,000 15 month lease based on $40/SF using historical data - VERIFYScope: Replace Chiller, CW Piping, AHU'sSchedule: Allow 3 yearsEstablish Project6 monthsPhase-Phase 2 design6 monthsProject Design & Bid8 monthsConstruction12 monthsModular/Move3 months

Provide a summary of the project and explain why it is necessary. Please refer to the budget guidelines for appropriate questions and thoroughly answer all related items.

Agency Name:	USC - Upstate		
Agency Code:	H340	Section:	20C

FORM C – CAPITAL REQUEST

AGENCY PRIORITY	6

Provide the Agency Priority Ranking from the Executive Summary.

TITLE	Academic Annex (addition to the Library)/Mechanical Renovation to the Library

Provide a brief, descriptive title for this request.

AMOUNT	$17,000,000

How much is requested for this project in FY 2021-2022? This amount should correspond to the total for all funding sources on the Executive Summary.

CPIP PRIORITY	FY 2022-23

Identify the project's CPIP plan year and priority number, along with the first year in which the project was included in the agency's CPIP. If not included in the agency's CPIP, please provide an explanation. If the project involves a request for appropriated state funding, briefly describe the agency's contingency plan in the event that state funding is not made available in the amount requested.

OTHER APPROVALS	No additional funds have been obtained externally. Upstate is currently using ICPF to replace study furnishings in the current library space because they are outdated and do not have electrical support needed for computers, laptops, and other devises used by students. We are also adding private study rooms and a 24/7 computer lab for student access. ICPF funds are also being used to purchase compact shelving to allow books to be place on rolling shelves and stacked together rather than in aisles. This is the only way to gain library space needed for a growing enrollment. The library is significantly undersized for the current Upstate enrollment. Funds and approval to proceed with design and construction requires approval from the USC BOT, State CHE, JBRC, and SFAA.

What approvals have already been obtained? Are there additional approvals that must be secured in order for the project to succeed? (Institutional board, JBRC, SFAA, etc.)

LONG-TERM PLANNING AND SUSTAINABILITY	$1.7 M Institutional funds are currently being invested to upgrade the main library space of the library building. The library building (+70,000 sq. ft) was constructed in 1974. Current enrollment has outgrown the space and it is outdated and not conducive to serving students in 2018. The main library space is being updated with electrical and study/work seating and small rooms to make it conducive for individuals and groups to study/work.

What other funds have already been invested in this project (source/type, amount, timeframe)? Will other capital and/or operating funds for this project be requested in the future? If so, how much, and in which fiscal years? Has a source for those funds been identified/secured? What is the agency's expectation with regard to additional annual costs or savings associated with this capital improvement? What source of funds will be impacted by those costs or savings? What is the expected useful life of the capital improvement?

	Mechanical/Life Safety Renovation - This project will remedy major HVAC issues and replace the roof. Installation of new fire sprinkler system will be evaluated and added if code requires. In the current Library Building, the HVAC is past its life cycle and parts are virtually non-existent. Minor up-fits for program growth have been hampered by the HVAC distribution system. The teaching and learning environment is compromised for most of the year as mechanical equipment and air distribution is inefficient and inadequate. Renovation and Additional Instructional Space:Fall 2016 CHE facilities data from the Statistical Abstract notes that Upstate had committed 43.7% of assignable space to instruction; this is by far the highest of any public institution in the state. Renovations and expansion of space is required to match growth.Upstate is funding through ICPF the renovation of the current main library space but lacks

SUMMARY

the funds to complete a major renovation of the remaining interior spaces that are used as classroom and academic support space. The new instructional space "Academic annex" will be used to add classroom space and faculty office adjacent to the Library Buildig. Alternatives Considered: Upstate is searching for office space off campus to lease to help free up space on campus that can be converted to classrooms. This is difficult since the campus is not located in a metropolitan area.

Provide a summary of the project and explain why it is necessary. Please refer to the budget guidelines for appropriate questions and thoroughly answer all related items.

Agency Name:	USC - Upstate		
Agency Code:	H340	Section:	20C

FORM C – CAPITAL REQUEST

AGENCY PRIORITY	7
	Provide the Agency Priority Ranking from the Executive Summary.
TITLE	Deferred Maintenance (1:1 Match)
	Provide a brief, descriptive title for this request.
AMOUNT	$1,000,000
	How much is requested for this project in FY 2021-2022? This amount should correspond to the total for all funding sources on the Executive Summary.
CPIP PRIORITY	This initiative to share maintenance expenditures noted as priority 2 on CPIP.
	Identify the project's CPIP plan year and priority number, along with the first year in which the project was included in the agency's CPIP. If not included in the agency's CPIP, please provide an explanation. If the project involves a request for appropriated state funding, briefly describe the agency's contingency plan in the event that state funding is not made available in the amount requested.
OTHER APPROVALS	To the extent necessary by policy or regulation, approvals from the University Institutional Board, CHE, JBRC and SFAA must be secured.
	What approvals have already been obtained? Are there additional approvals that must be secured in order for the project to succeed? (Institutional board, JBRC, SFAA, etc.)
LONG-TERM PLANNING AND SUSTAINABILITY	The University prioritizes and addresses deferred maintenance issues annually from institutional funds. If the state does not provide additional funds for this purpose, available funds will be leveraged to address those maintenance needs deemed most critical.
	What other funds have already been invested in this project (source/type, amount, timeframe)? Will other capital and/or operating funds for this project be requested in the future? If so, how much, and in which fiscal years? Has a source for those funds been identified/secured? What is the agency's expectation with regard to additional annual costs or savings associated with this capital improvement? What source of funds will be impacted by those costs or savings? What is the expected useful life of the capital improvement?

Maintenance is a continued cost of ensuring the learning infrastructure is managed in a manner to maximize the educational use while maintaining a strong sense of stewardship for the assets and available resources. We are proposing a match on a 1:1 basis whereby USC Upstate would use any proceeds received to address a variety of deferred or appropriate critical repair and related maintenance, and or address any other critical equipment, and systems repair. Key focus is upon using funds on life and safety maintenance matters to maintain an efficient and effective operation of USC Upstate's educational missions.Appropriated funds would only be utilized for capital renewal, maintenance, and repairs of E&G facilities and would not be used for new construction. Matching funds by the university would exclude supplemental, capital reserve, lottery, and or non-recurring state funds appropriated to USC Upstate for a specific use in the current fiscal year.The strategic use of this 1:1 match will act as a catalyst to address:Critical repairsMaintain State University assets at a more optimal operating basisMaximize existing educational space for instruction and guidanceSupport new and or growing number of jobs through the use of repair and maintenance services companies and or component manufacturers.We propose several system replacements on

SUMMARY	our current DM planning document to include but not limited to boilers, domestic water heaters, air handler units, roofs, auxiliary equipment, etc. in various buildings on campus.

Provide a summary of the project and explain why it is necessary. Please refer to the budget guidelines for appropriate questions and thoroughly answer all related items.

Agency Name:	USC - Upstate		
Agency Code:	H340	Section:	20C

FORM E – AGENCY COST SAVINGS AND GENERAL FUND REDUCTION CONTINGENCY PLAN

TITLE	Agency Cost Savings and General Fund Reduction Contingency Plan

AMOUNT	$467,491

What is the General Fund 3% reduction amount? This amount should correspond to the reduction spreadsheet prepared by EBO.

ASSOCIATED FTE REDUCTIONS	1.5 FTE

How many FTEs would be reduced in association with this General Fund reduction?

PROGRAM / ACTIVITY IMPACT	Education and General Unrestricted (I.A) and associated Employee Benefits (II). The Campus' primary mission of providing instructional services to students would be impacted. However, the campus would make every effort to minimize the impact on Instructional services. Both academic and service units are funded from the Campus' general fund, which is comprised almost exclusively from State General Fund and student tuition and fee revenue.

What programs or activities are supported by the General Funds identified?

SUMMARY	While a 3% cut across appropriation proposal seems equitable in theory, the funds are not distributed equitably on the front end. Upstate has less funding (appropriations) per student than other comprehensives and therefore any cuts will cause a disproportional strain operationally compared to other comprehensive institutions in the state. Upstate's plan would reduce maintenance funds, part time faculty and delay hiring a replacement of one full time employee. The proposed decrease in funding areas are less disruptive operationally in the short term but long-term cuts will diminish our ability to serve the Upstate region and erode our effectiveness in achieving our mission. **$200,000 – Reduce Support for Campus Maintenance/Renewal Projects** – USC Upstate has made efforts in recent years to do more to address its aging facilities and infrastructure. This would reduce the available funding for maintenance/renewal projects and fleet replacements and put greater burden on related systems in subsequent years. With the decrease of deferred maintenance funds from the State, this could have dire impact on the condition of campus buildings and infrastructure. **$108,998 – Reduce adjunct faculty across academic departments.** This will increase the class sizes and faculty/student ratios. **$158,493 – Hold on replacement of 2 vacant faculty position.** Upstate continues to carefully manage its tenure track positions, as it seeks to offer career relevant course offerings and degree programs, in an effort to remain competitive, while providing in-demand and highly skilled workforce in the Upstate region. Any reduction in funding for faculty slots will negatively impact class size and faculty/student ratios

AGENCY COST SAVINGS PLANS	Reductions of any kind have significant impact on USC Upstate's ability to provide a high-quality education appropriate to a baccalaureate institution. Upstate's plan would reduce the funding for maintenance projects, part time faculty and delay hiring a replacement of two full time employees. The proposed decrease in funding areas is less disruptive operationally in the short-term but long-term cuts will diminish our ability to serve the Upstate region and erode our effectiveness in achieving our mission.

Agency Name:	USC - Upstate		
Agency Code:	H340	Section:	20C

FORM F – REDUCING COST AND BURDEN TO BUSINESSES AND CITIZENS

TITLE	Zero Tuition Increase
	Provide a brief, descriptive title for this request.

EXPECTED SAVINGS TO BUSINESSES AND CITIZENS	$445,000 per 1% tuition increase $890,000
	What is the expected savings to South Carolina's businesses and citizens that is generated by this proposal? The savings could be related to time or money.

FACTORS ASSOCIATED WITH THE REQUEST	**Mark "X" for all that apply:**
	Repeal or revision of regulations.
	Reduction of agency fees or fines to businesses or citizens.
	Greater efficiency in agency services or reduction in compliance burden.
	X Other

METHOD OF CALCULATION	Estimated amount of 2% increase in tuition with flat enrollment.
	Describe the method of calculation for determining the expected cost or time savings to businesses or citizens.

REDUCTION OF FEES OR FINES	The only published State of South Carolina regulations USC has are those contained in Chapter 119 dealing with motor vehicle registration, parking, obeying traffic signs and adhering to posted speed limits while on campus. These regulations were promulgated under the authority of Section 59-117-40 of the S.C. Code of Laws. All tuition, fees and fines are reviewed annually before being presented to the Board of Trustees for their consideration and approval. These tuition and fees are contained in the annual budget and are related to providing instructional services to enrolled students. There are a few fines contained in that schedule which relate to parking, traffic violations, smoking or Student Judicial Affairs.
	Which fees or fines does the agency intend to reduce? What was the fine or fee revenue for the previous fiscal year? What was the associated program expenditure for the previous fiscal year? What is the enabling authority for the issuance of the fee or fine?

REDUCTION OF REGULATION	The University's regulations do not pertain to business operations. Nor do they pertain to the citizens of the State in general. The University has taken steps over the last several years to assist students in obtaining a degree in a timely manner and to minimize the overall cost of obtaining a quality education. See summarized highlights below.
	Which regulations does the agency intend to amend or delete? What is the enabling authority for the regulation?

	Effective FY 2017-18, USC Upstate has focused on accessible education by holding tuition rates flat. This year Upstate held to zero increase for both instate and out of state tuition.

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