

Summary of Education and General (E&G) Building and Infrastructure Maintenance Needs
 Information Report as of 11/28/2012

Summary of E&G Building Maintenance Needs ¹ (Updated as of 2011 Survey)					Summary of E&G Infrastructure Maintenance Needs ² (Updated as of 2012 Survey)				Combined Summary (E&G Building & Infrastructure Maintenance Needs)			
Institution	Amount to Address E&G Maintenance Needs	Amount Per Year to Address E&G Maintenance Needs Over 20 Years	Amount Per Year to Maintain E&G Buildings at APPA Avg 3% ³	Total Needed Per Year to Address E&G Building Maintenance Needs	Amount to Address E&G Maintenance Needs	Amount Per Year to Address E&G Maintenance Needs Over 20 Years	Amount Per Year to Maintain E&G Infrastructure at APPA Avg 3% ³	Total Needed Per Year to Address E&G Infrastructure Maintenance Needs	Total Amount to Address E&G Maintenance Needs	Amount Per Year to Address E&G Maintenance Needs Over 20 Years	Amount Per Year to Maintain E&G Buildings & Infrastructure at APPA Avg 3% ³	Total Needed Per Year to Address E&G Maintenance Needs
Col:	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]
		Col 1 / 20 yrs		Col 2 + Col 3		Col 5 / 20 yrs		Col 6 + Col 7	Col 1 + Col 5	Col 9 / 20 yrs		Col 10 + Col 11
Clemson	\$154,972,925	\$7,748,646	\$23,240,025	\$30,988,671	\$79,576,211	\$3,978,811	\$6,874,964	\$10,853,775	\$234,549,136	\$11,727,457	\$30,114,989	\$41,842,446
USC Columbia*	\$302,805,703	\$15,140,285	\$31,164,674	\$46,304,959	\$127,625,106	\$6,381,255	\$11,932,214	\$18,313,469	\$430,430,809	\$21,521,540	\$43,096,888	\$64,618,429
MUSC	\$103,484,724	\$5,174,236	\$23,084,339	\$28,258,575	\$813,506	\$40,675	\$465,265	\$505,940	\$104,298,231	\$5,214,912	\$23,549,604	\$28,764,515
Citadel	\$12,277,665	\$613,883	\$5,036,293	\$5,650,177	\$1,959,848	\$97,992	\$593,031	\$691,023	\$14,237,513	\$711,876	\$5,629,324	\$6,341,200
Coastal Carolina	\$60,333,188	\$3,016,659	\$6,004,437	\$9,021,097	\$2,504,843	\$125,242	\$526,293	\$651,536	\$62,838,031	\$3,141,902	\$6,530,731	\$9,672,632
College of Charleston	\$82,409,428	\$4,120,471	\$12,772,010	\$16,892,481	\$12,876,011	\$643,801	\$960,660	\$1,604,460	\$95,285,439	\$4,764,272	\$13,732,669	\$18,496,941
Francis Marion	\$9,221,503	\$461,075	\$5,180,699	\$5,641,774	\$6,422,597	\$321,130	\$859,630	\$1,180,760	\$15,644,100	\$782,205	\$6,040,328	\$6,822,533
Lander	\$6,111,854	\$305,593	\$2,888,655	\$3,194,248	\$1,424,722	\$71,236	\$392,622	\$463,858	\$7,536,576	\$376,829	\$3,281,277	\$3,658,106
SC State	\$54,379,934	\$2,718,997	\$6,112,126	\$8,831,123	\$9,307,645	\$465,382	\$755,880	\$1,221,262	\$63,687,579	\$3,184,379	\$6,868,006	\$10,052,385
USC Aiken	\$2,797,682	\$139,884	\$3,499,508	\$3,639,393	\$5,141,601	\$257,080	\$621,129	\$878,209	\$7,939,283	\$396,964	\$4,120,637	\$4,517,601
USC Beaufort	\$2,292,329	\$114,616	\$1,371,319	\$1,485,935	\$793,658	\$39,683	\$350,911	\$390,594	\$3,085,987	\$154,299	\$1,722,230	\$1,876,529
USC Upstate	\$11,171,434	\$558,572	\$3,666,787	\$4,225,358	\$1,296,624	\$64,831	\$1,166,688	\$1,231,520	\$12,468,058	\$623,403	\$4,833,475	\$5,456,878
Winthrop	\$37,288,506	\$1,864,425	\$10,018,594	\$11,883,019	\$5,685,534	\$284,277	\$1,115,449	\$1,399,726	\$42,974,040	\$2,148,702	\$11,134,043	\$13,282,745
USC Lancaster	\$13,815,071	\$690,754	\$1,427,005	\$2,117,759	\$6,027,637	\$301,382	\$421,071	\$722,453	\$19,842,708	\$992,135	\$1,848,076	\$2,840,212
USC Salkehatchie	\$6,093,063	\$304,653	\$560,738	\$865,391	\$914,309	\$45,715	\$205,388	\$251,104	\$7,007,372	\$350,369	\$766,126	\$1,116,495
USC Sumter	\$7,212,278	\$360,614	\$1,157,045	\$1,517,659	\$1,325,783	\$66,289	\$234,125	\$300,414	\$8,538,060	\$426,903	\$1,391,170	\$1,818,073
USC Union	\$599,391	\$29,970	\$236,536	\$266,505	\$531,863	\$26,593	\$43,355	\$69,948	\$1,131,253	\$56,563	\$279,891	\$336,454
Aiken TC	\$4,922,386	\$246,119	\$1,163,872	\$1,409,991	\$282,229	\$14,111	\$162,703	\$176,815	\$5,204,614	\$260,231	\$1,326,575	\$1,586,806
Central Carolina TC	\$1,170,053	\$58,503	\$1,718,967	\$1,777,469	\$12,148	\$607	\$127,392	\$127,999	\$1,182,200	\$59,110	\$1,846,358	\$1,905,469
Denmark TC	\$3,658,030	\$182,902	\$754,750	\$937,652	\$638,863	\$31,943	\$21,633	\$53,576	\$4,296,893	\$214,845	\$776,383	\$991,228
Florence-Darlington TC	\$17,662,208	\$883,110	\$3,433,150	\$4,316,261	\$1,852,323	\$92,616	\$140,061	\$232,677	\$19,514,531	\$975,727	\$3,573,211	\$4,548,938
Greenville TC	\$23,422,735	\$1,171,137	\$6,028,406	\$7,199,543	\$7,484,976	\$374,249	\$678,096	\$1,052,345	\$30,907,711	\$1,545,386	\$6,706,502	\$8,251,888
Horry-Georgetown TC	\$20,071,479	\$1,003,574	\$2,604,747	\$3,608,321	\$2,075,317	\$103,766	\$422,661	\$526,427	\$22,146,796	\$1,107,340	\$3,027,408	\$4,134,748
Midlands TC	\$2,146,435	\$107,322	\$3,361,412	\$3,468,734	\$11,000	\$550	\$473,807	\$474,357	\$2,157,435	\$107,872	\$3,835,219	\$3,943,091
Northeastern TC	\$0	\$0	\$714,329	\$714,329	\$12,921	\$646	\$5,995	\$6,641	\$12,921	\$646	\$720,323	\$720,969
Orangeburg-Calhoun TC	\$1,215,325	\$60,766	\$1,185,829	\$1,246,596	\$431,570	\$21,579	\$238,264	\$259,843	\$1,646,895	\$82,345	\$1,424,094	\$1,506,438
Piedmont TC	\$5,589,238	\$279,462	\$2,532,494	\$2,811,955	\$1,171,338	\$58,567	\$306,690	\$365,256	\$6,760,576	\$338,029	\$2,839,183	\$3,177,212
Spartanburg CC	\$9,838,567	\$491,928	\$2,830,728	\$3,322,656	\$854,157	\$42,708	\$72,642	\$115,350	\$10,692,724	\$534,636	\$2,903,370	\$3,438,006
TC of the Lowcountry	\$852,156	\$42,608	\$1,119,229	\$1,161,837	\$1,271,577	\$63,579	\$165,459	\$229,037	\$2,123,733	\$106,187	\$1,284,688	\$1,390,874
Tri-County TC	\$10,905,710	\$545,285	\$2,168,197	\$2,713,483	\$4,829,437	\$241,472	\$555,090	\$796,562	\$15,735,147	\$786,757	\$2,723,288	\$3,510,045
Trident TC	\$7,757,336	\$387,867	\$4,303,739	\$4,691,606	\$7,227,162	\$361,358	\$719,311	\$1,080,669	\$14,984,498	\$749,225	\$5,023,050	\$5,772,275
Williamsburg TC	\$1,874,820	\$93,741	\$259,200	\$352,941	\$280,764	\$14,038	\$51,349	\$65,387	\$2,155,583	\$107,779	\$310,548	\$418,327
York TC	\$622,273	\$31,114	\$2,259,237	\$2,290,351	\$1,705,261	\$85,263	\$191,757	\$277,020	\$2,327,534	\$116,377	\$2,450,994	\$2,567,371
TOTAL	\$978,975,429	\$48,948,771	\$173,859,078	\$222,807,849	\$294,368,538	\$14,718,427	\$31,851,583	\$46,570,009	\$1,273,343,967	\$63,667,198	\$205,710,660	\$269,377,858

¹ 2011 Building Condition Survey Update and Fall 2011 Building Data Summary were used to compile this report. Only facilities institutions maintain with 25% or more of space dedicated for Education & General (E&G) activities and more than 3,000 GSF are included.

² 2012 Infrastructure Maintenance Needs Update was used to compile this report. E&G Infrastructure only and includes portion of E&G area the institution maintains. E&G Infrastructure portion is determined by the percent of E&G space or the actual amount of space as determined by the unit of measurement.

³ E&G portion of replacement cost multiplied by 3% APPA (Association of Physical Plant Administrators) standard.

*Includes USC's School of Medicine - Columbia Campus.

CHE Survey of Education and General Building and Infrastructure Maintenance Needs Summary Explanation and Maintenance Needs Table by Institution

Summary Explanation

CHE collects institutional data and assessments of building condition (life-cycle analysis) of Educational and General (E&G)¹ buildings and infrastructure.

The data provided are used to estimate the annual amount needed to maintain building systems and address renewal over 20 years and to maintain E&G space so that building systems reach their full expected lives.² Information gathered from institutions as part of this survey is also used in analyzing institutional facility requests.

The survey is conducted every three years and institutions report interim updates as projects are completed. Of the 1,623 total buildings across 33 public institutions in fall 2011, 813 (50%) are E&G buildings.

Each E&G building is assessed by the institution and is evaluated across 13 systems and 2 standards.

- Systems: 1) Foundation, 2) Exterior Walls, 3) Floor, 4) Roof, 5) Interior Walls, 6) Windows, 7) Doors, 8) Ceiling, 9) Heating, 10) Cooling, 11) Plumbing, 12) Electrical, and 13) Elevators
- Standards: Safety and Design

BUILDING CONDITION ASSESSMENT Portion of Survey (Columns 1-4 of the Attached)

Assessment of building condition is carried out by the institutions based on a life-cycle analysis of systems whereby institutional personnel rate each of a building's 13 systems on a 5-point scale where 1 is best condition and 5 is worst. The ratings for each of the systems are aggregated to produce an overall building condition code that ranges from 0 (worst) to 100 (best).

Considering only the E&G portion of facilities, the condition codes are used in determining :

- An estimate of the total amount needed to address system renewal in order to bring the building to an acceptable maintenance level which is defined by the Association of Physical Plant Administrators (APPA) Standard Condition Code of 90 (See Column 1). The estimate is based on the Insurance Reserve Fund (IRF) Replacement Cost. The total need is considered over a 20-year period (divided by 20) to produce the amount per year needed to address maintenance needs. Of the 813 E&G facilities in 2011, 196 (24%) had a building condition code of 90-100 (APPA acceptable standard).
- An annual estimate of the amount required to maintain E&G systems so they don't wear out faster than expected. (Based on APPA standards of 3% of the IRF Replacement Cost is calculated and shown in Column 4.)

BUILDING INFRASTRUCTURE CONDITION Portion of the Survey (Columns 5-8 of the Attached)

As with the building condition assessment, E&G Infrastructure Maintenance Needs (infrastructure that directly supports E&G buildings) are also assessed by institutions and collected at CHE. Institutions are provided a list of standard infrastructure items to evaluate. Actual infrastructure items, quantity, unit costs and condition codes are determined by the institution.

Similar to the building condition assessment, the total of the E&G infrastructure needs (Columns 5) is determined based on APPA standards. The total is considered over 20 years (Column 6) and the amount per year to maintain the infrastructure at the APPA Average of 3% of replacement is derived from the assessment (Column 7).

COMBINED SUMMARY (Columns 9-12 of Attached)

This section represents the sum total of the building and infrastructure maintenance needs with corresponding values in previous columns summed.

The result reflects the total (Column 9) and annual needs (Column 10 and 11) with renewal of systems over time as they reach the end of their useful lives and on the need to maintain those systems in the interim so that they last as expected.

Attachment: Summary of E&G Building and Infrastructure Maintenance Needs.

Additional details concerning the data and calculations are available a PowerPoint presentation available at

http://www.che.sc.gov/CHE_Docs/InfoCtr/Legisl/Maintenance%20Needs_12-11-12_forposting.pdf

ⁱ E&G buildings include for purposes of the CHE survey, building/facilities maintained by the institution that consist of 25% or more space dedicated to educational and general activities and that are more than 3,000 gross square feet. E&G includes classrooms, faculty offices, research and generally space that supports teaching and learning. It does NOT include space related to auxiliary activities (i.e., self-sustaining and generate own revenue streams, for example, dorms, cafeterias, bookstores, infirmaries, and some athletics.)

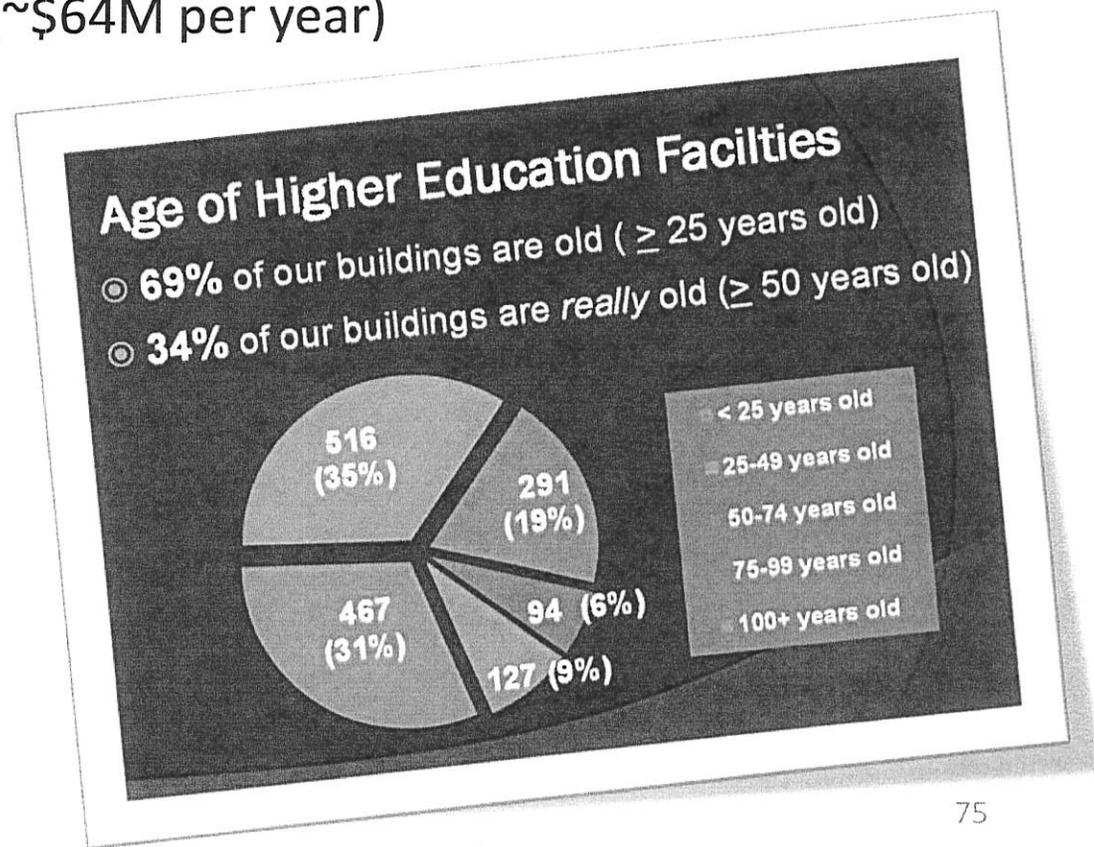
ⁱⁱ Maintenance needs are the focus of the survey and are comprised of two parts, 1) maintenance and repairs and 2) deferred maintenance. Maintenance and repairs are activities directed toward keeping facilities in an acceptable condition and include preventative maintenance, replacement of parts, systems or components (renewal), and other activities needed to preserve or maintain the facility. Deferred maintenance and repairs include the part of facilities maintenance activities that are postponed to align institutional priorities and plans, postponed to achieve maximum benefit/savings through a more comprehensive project, or postponed due to a lack of appropriate funding that can be used toward such needs.

Deferred Maintenance

- Three basic maintenance categories:
 - 1) Routine Annual Maintenance, 2) Routine Periodic Maintenance, and 3) Extraordinary/Emergency Maintenance.
- When any of these is not performed as scheduled, it then becomes “deferred” maintenance
- Deferred maintenance is typically more expensive and potentially more complicated depending on nature and severity of service deferred/required
- Many valid reasons for deferring maintenance (part of a more comprehensive project, institutional priorities, lack of appropriate funding)

Maintenance Needs

- CHE Formula – Based on life-cycle analysis of systems in E&G buildings and E&G infrastructure
 - Includes system renewal/replacement and annual maintenance needs
 - Totals \$1.2B OVER 20 YEARS (~\$64M per year)
 - Similar to other infrastructure projection models (e.g. \$1.5B per year for SC road infrastructure needs)





South Carolina Commission on Higher Education

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Mr. Gary S. Glenn
Interim Executive Director

MEMORANDUM

DATE: October 15, 2015

TO: Finance & Facilities Officers, Research Institutions, Comprehensive Teaching Universities, and 2-Year USC Campuses

FROM: Mr. Gary Glenn, Interim Executive Director and Director of Fiscal Affairs

SUBJECT: FY 2015-16 Maintenance-Critical Care and Replacement - 1 to 1 Match

Attached you will find the distribution schedule of FY 2015-16 SC Education Lottery Appropriations provided per proviso 3.6. These funds are allocated only for critical repair and related maintenance and/or other critical equipment and systems repair and maintenance and may only be distributed to an institution to the extent the funds are matched (1:1) by the institution. Matching funds exclude supplemental, capital reserve, lottery, or other non-recurring appropriated state funds. Because these funds are appropriated, under the PIP definition for higher education projects, a permanent improvement project must be established. As in FY 2014-15, these projects are considered legislatively authorized and the matching funds are legislatively mandated. Accordingly, CHE has delegated staff the authority to process submitted projects if the projects are set up to conform to the lottery proviso.

Projects do not need to be set up for Phase I pre-design. When preparing the A-1, please list the project name as "2015-16 Maintenance Needs." Lottery funds should be listed on the A-1 under "Other" funds as "FY 2015-16 Lottery Funds" and the match should be listed as "FY 2015-16 Lottery Match." Any additional funds should be listed separately on a third line on the budget portion of the A-1. In the A-1 description, please explain what funding sources are being used to satisfy the match. An A-49 showing additional annual operating costs or savings should also be attached to the A-1. No questionnaire is needed for submission of these projects.

As stated above, the A-1 will be used to certify to CHE the extent to which your institution has met the match requirement. The A-1 should detail the actual work you plan to do. If repair and maintenance is done in multiple buildings, please make sure you note where the work will be done and what will be included by listing the specific building, type of work, and the estimated amount of each part of the project on or as an attachment to the A-1. All repair and maintenance work should be clearly identifiable as maintenance of existing building or infrastructure components. New construction is prohibited. These funds should be used for new projects and should not be used to supplant approved funding in existing projects.

Funds will be disbursed to you as soon as your project is approved by staff and is accepted by the Commission via the staff approvals list. To facilitate the disbursement of funds, please include an invoice for the matching funds along with the project submission.

If you have any questions, please do not hesitate to contact me at (803) 737-2155 or gglenn@che.sc.gov.

Attachments

C: Staff of House Ways & Means Committee, Senate Finance Committee, Joint Bond Review Committee, and Office of State Budget

FY 2015-16 Part 1B Proviso 3.6 Regarding Maintenance - Critical Equipment Repair & Replacement - Lottery Allocations			
	FY 2014-15 BASE*	% to Total	Lottery - Pro Rated relative to Appropriations
Research Institutions			\$2,825,028.18
Clemson	\$ 69,555,155	14.9%	\$ 420,929.20
USC Columbia	\$ 112,864,549	24.1%	\$ 680,831.79
Medical University of SC	\$ 61,572,126	13.2%	\$ 372,903.72
Comprehensive Teaching Institutions			
The Citadel	\$ 9,470,339	2.0%	\$ 56,500.56
College of Charleston	\$ 20,573,373	4.4%	\$ 124,301.24
Coastal Carolina	\$ 9,622,398	2.1%	\$ 59,325.59
Francis Marion	\$ 12,838,037	2.7%	\$ 76,275.76
Lander	\$ 6,537,767	1.4%	\$ 39,550.39
SC State	\$ 12,974,014	2.8%	\$ 79,100.79
USC Aiken	\$ 6,876,100	1.5%	\$ 42,375.42
USC Upstate	\$ 9,560,247	2.0%	\$ 56,500.56
USC Beaufort	\$ 2,851,368	0.6%	\$ 16,950.17
Winthrop	\$ 14,324,851	3.1%	\$ 87,575.87
2-Yr Regional Campuses of USC			
USC Lancaster	\$ 1,654,369	0.4%	\$ 11,300.11
USC Salkehatchie	\$ 1,392,257	0.3%	\$ 8,475.08
USC Sumter	\$ 2,708,684	0.6%	\$ 16,950.17
USC Union	\$ 658,186	0.1%	\$ 2,825.05
Technical Colleges			
	\$ 111,039,665	23.8%	\$ 672,356.71
Total	\$ 467,073,485	100.0%	\$ 2,825,028.18

**Beginning Base from Summary Control Document - Agency Beginning Base 2015-16*

Total Available for Critical Equipment Repair, and Replacement

2,825,028.18

EXCERPT - FY 2015-16 Appropriation Act - Proviso 3.6

For Fiscal Year 2015-16, if net lottery proceeds and investment earnings realized in the prior fiscal year are above both the amount needed to fund the appropriations in this provision as well as the amount needed to fully fund the priority order above, the following items are appropriated on a pro rata basis:

- (8) Commission on Higher Education--Maintenance- Critical Care and Replacement - 1 to 1 Match
\$ 3,000,000.

Of the funds appropriated in sub item (8) above for the Commission on Higher Education—Maintenance – Critical Care and Replacement-1 to 1 Match, each public four-year university, two-year branch campus and state technical college shall use the amount appropriated only for critical repair and related maintenance and/or other critical equipment and systems repair and maintenance that are necessary for the safe and efficient operation of an institution's physical plant in its support of the institution's educational purpose.

Funds must not be used for new construction and may only be utilized by an institution to the extent the funds are matched by the institution for necessary repair and maintenance projects generally.

Matching funds exclude supplemental, capital reserve, lottery, or non-recurring state funds appropriated to an institution either in the current fiscal year or from a prior fiscal year for repair and maintenance or deferred maintenance projects.

Prior to the distribution of these funds, institutions must certify to the Commission on Higher Education, in a manner it prescribes, the extent to which they have met this requirement, including the sources of funds utilized to meet this requirement.

Upon certification, the funds shall be distributed to institutions based on the distribution methodology described below provided that the distribution does not exceed an institution's pro rata share or the amount matched by the institution if less than that share. The distribution methodology to be used by the commission shall be based on each institution's or agency's proportion of general fund appropriation in Part IA of Act 286 of 2014 as compared to the total general fund appropriation in that Act for all public four-year universities, two-year branch campuses and state technical colleges. Distribution of the share allocated to the state technical colleges is to be made by a formula to be developed by the State Board for Technical and Comprehensive Education in consultation with the colleges Chief Business Officers for approval by the State Board's Presidents Council.

Not later than one hundred twenty days after the close of the fiscal year, the Commission on Higher Education shall report to the Chairman of the Senate Finance Committee and the Chairman of the House Ways and Means Committee regarding the utilization of this provision.

Funds not expended in the prior fiscal year may be carried forward into the current fiscal year and utilized for the same purpose, subject to the matching requirement.

Note: Each program in the pro rata list was partially funded at **94.17%** since there was not sufficient excess funds to fully fund the list. Accordingly, the actual amount available in FY 2015-16 is **\$2,825,028.18**.

Worksheet 1

Maintenance Needs Projects using FY 2013-14 Lottery Allocation and Match *

Institution	Date Approved by CHE	Project #	Project Name	Lottery Funds	Matching Funds	Source of Matching Funds	Project Total	Expenditures (as of Oct 29, 2014 \$P/\$B)	Scope of Work
Clemson	1/9/2014	9913	2013-14 Maintenance Needs	\$2,717,813	\$2,717,813	Maintenance & Stewardship Funds	\$5,435,626	\$0	Scope of work will include replacement and upgrades to portions of the 12,470-volt and 4,160-volt distribution systems in order to address deferred maintenance and reliability issues. Work will include the replacement of electrical switches that are no longer safe to operate, and replacement of deteriorated fuse coordination. Portions of the distribution systems and electrical infrastructure within buildings have long outlived their useful life and must be replaced or upgraded. Proper maintenance is presently a challenge due to outdated and obsolete components, significantly reducing the reliability of the campus wide electrical distribution system. Funding for this project will be leveraged with Project #9898 – Deferred Maintenance and Project #9909 – Deferred Maintenance 2012 funding for a combined total of \$16,130,444 to address electrical infrastructure replacement and upgrade needs on the University's medium voltage distribution system.
USC Columbia	11/18/2013	6052	Health Sciences Renovation	\$3,567,287	\$14,432,713	Institution Bonds	\$18,000,000	\$6,288,271	Lottery funds will be utilized to fund maintenance needs items including but not limited to HVAC, roof, and roof drains replacement; seismic retrofit; electrical upgrades, hazardous material abatement; window and door restoration; shotcrete reinforcement; and restroom upgrades. This project will provide a new home for the School of Journalism and Mass Communications. The use of lottery funds to address maintenance items will reduce the amount of bonds required for funding.
USC Columbia	11/18/2013	6107	2013-14 Maintenance Needs	\$372,000	\$378,000	Institutional Capital Project Fund	\$750,000	\$320,393	Scope of work will include replacement of HVAC system, upgrades to the fire alarms and sprinkler systems, replacement of plumbing fixtures, elevator upgrades, repairs to the building envelope, and correction to exterior drainage around the perimeter of the building.
USC SOM	11/18/2013	6106	2013-14 Maintenance Needs	\$588,629	\$611,371	Institutional Capital Project Fund	\$1,200,000	\$0	Scope of work will include: Building #1, replacement of air handler unit controls and modification of exhaust system; Building #4, upgrade to mechanical system that supports facilities in the basement; Building #28, replacement of four mechanical units with steam heating coils in preparation for the phase out of steam supply; 15 Medical Park, renovations to bathrooms to upgrade worn and dated finishes, and improve ADA access.
MUSC	9/26/2013	9826	2013-14 Maintenance Needs	\$2,351,936	\$2,351,936	Indirect Cost Recoveries; Tuition	\$4,703,872	\$174,263	Scope of work will include replacement of two air handling units in the Clinical Sciences Building; two air handling units in the Hollings Cancer Center; and the west side hot water riser system in the Basic Science Building.
The Citadel	2/11/2014	9610	2013-14 Maintenance Needs	\$387,663	\$544,337	Citadel Deferred Maintenance Fund	\$932,000	\$197,243	Scope of work will include roof work on Bond Hall (area A&B), Central Warehouse, Duckett Hall, Jenkins Hall, and the Library (north end).
Coastal Carolina	10/23/2013	9601	2013-14 Maintenance Needs	\$390,953	\$509,047	Renovation Reserve/Plant Expansion	\$900,000	\$97,988	Scope of work will include repair to campus roads (Chanticleer Drive, Founders Drive, & Evergreen Lane) and a pedestrian bridge that is located in the middle of campus. The roads are in need of major repair due to heavy daily traffic, construction, etc. The wooden bridge that serves as a main pedestrian corridor through campus is falling into disrepair and needs to be replaced.
College of Charleston	12/10/2013	9653	2013-14 Maintenance Needs	\$825,970	\$825,970	College Fees	\$1,651,940	\$0	Scope of work will include renovation and repair of the exterior of 11 Glebe Street, 12 Glebe Street, 59 Coming Street, and the building envelope of the JC Long Building. 11 Glebe, 12 Glebe, and 59 Coming have historical landmark status and have not been significantly renovated since 1987. The JC Long Building, built in 1970, has a history of moisture intrusion problems stemming primarily from extensive roof and window leaks. Cosmetic damage to the building is extensive and some structural damage is assumed. Improperly protected brick veneer lintels are deteriorating, which will lead to eventual failure.
Francis Marion	1/14/2014	9569	2013-14 Maintenance Needs	\$494,624	\$494,624	FMU Capital/Maint. Reserve Fund	\$989,248	\$63,494	Scope of work will include soundproofing classrooms, upgrades to the HVAC systems, handicapped/automatic doors, interior restrooms, and elevators, as well as painting and replacement of floor coverings in high traffic areas in Founders Hall and Cauthen Educational Media Center.
Lander	4/30/2014	9537	2013-14 Maintenance Needs	\$266,807	\$583,193	General University Plant Funds	\$850,000	\$0	Scope of work will include replacement of Genesis Hall (12,000 SF) and Barratt Hall (25,000 SF) roofs, as well as repair asphalt throughout the campus parking lots due to substantial asphalt deterioration.
SC State	12/23/2013	9652	2013-14 Maintenance Needs	\$518,277	\$518,277	Institutional Funds	\$1,036,554	\$668,853	Scope of work will include renovation/repair of campus gates at the two east entrances; stadium concourse drains; Press box and weight room roof top HVAC units; campus steam lines; broken and uneven sidewalks and resurfacing of Buckley Street; Belcher Hall flooring; Boiler Plant; roof repairs to Turner, Stanback, and Donna; and rooftop air handler on Turner "C".
USC Aiken	11/18/2013	9548	2013-14 Maintenance Needs	\$270,221	\$279,779	Institutional Capital Project Fund	\$550,000	\$9,299	Scope of work will include replacement of a 20 year old 225 ton chiller, a 125 gallon water heater, four chilled water valves, and upgrades to the energy management system in the Penland building; replacement of an 85 gallon water heater in the Gregg-Graniteville Library; and installation of instant water heaters in four laboratories in lieu of using large boilers to produce hot water in the Science building.
USC Beaufort	11/18/2013	9514	2013-14 Maintenance Needs	\$61,899	\$68,101	E&G Maintenance Reserves	\$130,000	\$2,700	Scope of work on the Historic Beaufort Campus will include painting the exterior of the Grayson House. Work on the Hilton Head Gateway Campus will include modifications to the HVAC and sprinkler systems serving the information technology equipment rooms; and replacement of lighting fixtures in the corridor and stairwell in the Hargray Building.
USC Upstate	11/18/2013	9544	2013-14 Maintenance Needs	\$355,543	\$359,457	Institutional Capital Project Funds; Parking Revenue	\$715,000	\$102,996	Scope of work will include replacement of laboratory exhaust fans in the Smith Science Building; replacement of the emergency generator in the Humanities and Performing Arts Center; conversion from incandescent bulbs and ballasts to more energy efficient bulbs that do not require ballasts on exterior pole lighting in parking lots and along sidewalks; installation of variable speed drive in existing air handler units in the Campus Life Center, Media Building, Hodge Center, and Library Building; repair and resurfacing of selected streets and parking lots to correct deteriorated pavement; sealing of gravel road to prevent erosion; installation of piping in the drainage swale, north of the intersection of North Campus Boulevard and Hodge Drive, to fill the ditch that has developed to prevent further erosion and to prevent eroded soil from filling the detention pond.
Winthrop	9/24/2013	9572	2013-14 Maintenance Needs	\$569,307	\$569,307	Institution Bonds	\$1,138,614	\$748,119	Scope of work will include roof replacements in the Music Conservatory, Johnson Hall - 1920 segment, 520 Cherry Road, and Byrnes Auditorium; water heating system replacement in Rutledge; repairs to rotten floors in the Kindergarten Building and Bancroft; repairs to water damage from former roof leaks including plaster, paint, and mold removal in McLaurin; repairs to the steam line in Thompson Café; replacement of campus lights; and repair/replacement of Roddev Apartment Building front porch.
USC Lancaster	11/18/2013	9514	2013-14 Maintenance Needs	\$66,878	\$118,122	Institutional Capital Project Funds; E&G Maintenance Reserves	\$185,000	\$0	Scope of work will address upgrades in the original section of the Medford Library Building. The second floor restrooms will be renovated to upgrade worn and dated finishes, improve ADA access, and install water efficient fixtures. Electrical fixtures will be upgraded to meet current illumination and energy standards. The elevator will also be upgraded. As funding allows, lighting will be upgraded in remaining rooms on the second floor.

Worksheet 1 cont.

Maintenance Needs Projects using FY 2013-14 Lottery Allocation and Match *

Institution	Date Approved by CHE	Project #	Project Name	Lottery Funds	Matching Funds	Source of Matching Funds	Project Total	Expenditures (as of Oct 29, 2014 SPIRS)	Scope of Work
USC Salkehatchie	11/18/2013	9522	2013-14 Maintenance Needs	\$56,797	\$63,203	Institutional Capital Project Funds	\$120,000	\$76,115	Scope of work on the Allendale Campus will include replacement of the 20 year old mechanical system and painting of the walls and floors in the Conference Center; and replacement of carpet in one room and toilet partitions in the four public restrooms in the Central Classroom Building. Scope of work on the Walterboro Campus will include replacement of toilet partitions in the four public restrooms in the Main Building.
USC Sumter	11/18/2013	9518	2013-14 Maintenance Needs	\$106,232	\$108,768	Institutional Capital Project Funds; E&G Maintenance Reserves	\$215,000	\$0	Scope of work will include replacement of windows in the Arts and Letters Building; replacement of existing campus identification and directional signs; and exterior painting of the Arts and Letters Building, Science Building, Business Administration Building, and the Student Union Building.
USC Union	11/18/2013	9509	2013-14 Maintenance Needs	\$26,047	\$48,953	Institutional Funds	\$75,000	\$0	Scope of work will include replacement of the boiler in the Main Building. The existing boiler is 22 years old and in poor condition.
Grand Total				\$13,994,883	\$25,582,971		\$39,577,854		

*Per lottery proviso 3.5, these funds are allocated for repair and maintenance and may only be distributed to an institution to the extent the funds are matched (1:1) by the institution. Matching funds exclude supplemental, capital reserve, lottery, or other non-recurring appropriated state funds. Because these funds are appropriated, under the PIP definition for higher education projects, a permanent improvement project must be established.

19

**Expenditures in FY 2013-14 on Maintenance and Repairs,
by Source of Funds***

<u>Institution</u>	<u>Expenditures in FY 2013-2014</u>	<u>Source of Funds</u>
Clemson	\$2,951,729.30	Athletic Repair and Maintenance Funds
	\$587,393.95	Foundation Funds
	\$4,857,572.06	Housing/Dining Repair and Maintenance Funds
	\$20,882,748.09	Institutional Repair and Maintenance Funds
	\$1,390,114.28	Parking Repair and Maintenance Funds
	\$1,987,622.37	State Appropriated Funds
Total	\$32,657,180.05	
USC Columbia	\$1,136,344.84	Athletic Operating Funds
	\$566,752.00	Auxiliary Funds
	\$1,153,506.59	E&G Maintenance Reserve
	\$4,772,920.74	Housing Maintenance Reserve
	\$1,482,634.71	Institutional Capital Project Fund
	\$960,990.07	Institutional Funds
	\$994,276.84	Johnson Controls Inc. Performance Contract Savings
	\$59,037.00	Parking Revenues
	\$21,344,123.00	Revenue Bonds
	\$6,548,209.00	State Appropriated Funds
Total	\$39,018,794.79	
MUSC	\$1,850,838.56	College of Medicine (COM) Funds
	\$182,133.78	Department Funds
	\$206,899.25	Grant
	\$34,086.95	Hospital Revenue
	\$1,006,337.47	Indirect Cost Recovery
	\$5,331,139.48	Institution Bonds
	\$2,113,708.51	Institutional Capital Project Funds
	\$799,864.69	Parking Revenue
	\$4,856,706.96	State Appropriated Funds
	\$745,231.04	Tuition
Total	\$17,126,946.67	
The Citadel	\$1,319,728.82	Auxiliary Maintenance Reserves
	\$328,252.91	E&G Maintenance Reserves
	\$417,406.55	Gifts
	\$2,169,557.52	State Appropriated Funds
Total	\$4,234,945.80	
Coastal Carolina	\$868,175.82	Institution Bonds
	\$3,110,075.91	Renovation/Reserve Plant Expansion
	\$790,688.17	State Appropriated Funds
Total	\$4,768,939.90	
College of Charleston	\$3,857,700.00	Auxiliary
	\$4,388,128.00	E&G/College Fees
	\$313,524.00	State Appropriated Funds
Total	\$8,559,352.00	
Francis Marion	\$288,829.44	Building Maintenance
	\$223,896.82	FMU Capital/Maintenance Reserve
	\$516,442.70	Institutional General Fund
	\$105,242.39	Maintenance, Replacement, & Repair
	\$899,679.88	State Appropriated Funds
Total	\$2,034,091.23	

**Expenditures in FY 2013-14 on Maintenance and Repairs,
by Source of Funds***

<u>Institution</u>	<u>Expenditures in FY 2013-2014</u>	<u>Source of Funds</u>
Lander	\$115,000.00	Food Service Capital Improvements
	\$927,002.00	Housing Renovation Reserves
	\$670,760.00	Institutional Maintenance Reserve
	\$244,235.00	State Appropriated Funds
Total	\$1,956,997.00	
SC State	\$509,215.00	Institutional Maintenance Reserve
	\$808,788.00	Title III Deferred Maintenance Funds
Total	\$1,318,003.00	
USC Aiken	\$750.00	Institutional Capital Project Fund
	\$35,159.00	State Appropriated Funds
Total	\$35,909.00	
USC Beaufort	\$21,968.00	E&G Maintenance Reserves
	\$559,689.00	State Appropriated Funds
Total	\$581,657.00	
USC Upstate	\$1,371,877.00	Institution Bonds
	\$943,905.00	State Appropriated Funds
Total	\$2,315,782.00	
Winthrop	\$144,747.00	College of Education Funds
	\$170,628.00	Insurance proceeds
	\$292,540.73	Institutional Bonds
	\$106,303.00	Maintenance
	\$750,000.00	State Appropriated Funds
Total	\$1,464,218.73	
USC Regional Campuses	\$576,559.11	State Appropriated Funds
Total	\$576,559.11	
Aiken TC	\$422,158.00	Institutional Funds
	\$206,855.00	State Appropriated Funds
Total	\$629,013.00	
Central Carolina TC	\$166,404.00	College Capital Project Funds
Total	\$166,404.00	
Denmark TC	\$27,000.00	Local Funds
	\$268,880.26	Plant Funds
	\$208,863.00	State Appropriated Funds
Total	\$504,743.26	
Florence-Darlington TC	\$582,705.53	Institutional Maintenance Reserve
Total	\$582,705.53	
Greenville TC	\$127,161.64	Grant
	\$620,646.61	Local Funds
	\$475,640.25	State Appropriated Funds
Total	\$1,223,448.50	
Horry-Georgetown TC	\$4,079,098.00	Institutional Maintenance Reserve
	\$2,183,331.00	Penny Tax/College Funds
Total	\$6,262,429.00	
Midlands TC	\$1,058,645.00	County Funds
Total	\$1,058,645.00	
Northeastern TC	\$66,035.00	Local Funds
	\$432,238.00	State Appropriated Funds
Total	\$498,273.00	

**Expenditures in FY 2013-14 on Maintenance and Repairs,
by Source of Funds***

<u>Institution</u>	<u>Expenditures in FY 2013-2014</u>	<u>Source of Funds</u>
Orangeburg-Calhoun TC	\$287,704.00	Local Funds
Total	\$287,704.00	
Piedmont TC	\$2,367,513.00	College Funds
	\$1,148,735.00	State Appropriated Funds
Total	\$3,516,248.00	
Spartanburg CC	\$744,445.39	College Funds
	\$267,421.51	State Appropriated Funds
Total	\$1,011,866.90	
TC of the Lowcountry	\$171,916.00	Deferred Maintenance Funds
	\$54,417.00	Local Funds
Total	\$226,333.00	
Tri-County TC	\$363,663.00	Capital Project Fees
	\$1,764,944.75	County Capital Appropriations
Total	\$2,128,607.75	
Trident TC	\$1,222,524.00	Internal - Capital Project Fund
	\$1,406,757.00	Internal - Operating Fund
Total	\$2,629,281.00	
Williamsburg TC	\$40,787.00	Local/Institutional
	\$8,000.00	Local/Special
Total	\$48,787.00	
York TC	\$343,303.64	College Capital Reserve Funds
	\$693,533.56	County Funds
	\$197,935.28	State Deferred Maintenance Funds
Total	\$1,234,772.48	
Grand Total	\$138,658,637.70	

*Maintenance and repairs are activities directed toward keeping facilities in an acceptable condition. Activities include preventative maintenance; replacement of parts, systems, or components (renewal); and other activities needed to preserve or maintain the asset.

Worksheet 3

Deferred FY 2013-14 Repair and Maintenance*

Institution	Project #	Project Name	Approval Type (Internal or State PIP)	Approved Budget	Expenditures in FY 2013-2014	Source of Funds	Scope of Work	Reason for Deferral
Clemson		None						
USC Columbia	H27-Z114	2014 Leconte College Classroom Enhancements	Internal	\$400,000	\$0	Institutional Funds; ICPF	Renovations will included new interior finishes, new furnishings, upgrade/installation of multimedia equipment, and minor mechanical/electrical modifications.	Work was deferred due to the amount of construction projects in the area and providing the availability of laydown space for contractors.
	H27-Z156	Bates House Exterior Repairs	Internal	\$500,000	\$14,596	Housing Maintenance Reserve	Repairs to exterior to include new sealant around windows, sealant at mortar cracks, sealant at control and expansion joints, adding weep holes to evacuate moisture from the wall cavity and correcting flashing, with other wall penetrations being sealed.	Work was deferred to Summer of 2015 so entire scope can be accomplished while students are not living in rooms.
MUSC	9822	Walton Research Bldg Flrs 2,3,6,7	State PIP	\$7,215,977	\$10,684	COM Clinical Reserve	Renovate 4 floors in the Walton Research Building	Currently re-evaluating space needs
	51306	TG Replace Steam with Hot Water Reheat	Internal	\$665,000	\$13	Indirect Cost Recovery, Tuition	Replace steam reheat coils T-G Building 7 & 8 floors	Schedule issues with other projects
	51319	BSB 7th Flr Pathology Tissue Prep Lab	Internal	\$525,000	\$1,125	COM Department Revenue	Renovate 1,750 SF on BSB 7 for new tissue prep lab	Currently re-evaluating space needs
	51320	BSB 7th Flr Noise Exposure	Internal	\$400,000	\$6,930	COM Department Revenue	Renovate 850 SF on BSB 7 for noise exposure lab	Currently re-evaluating space needs
The Citadel	Pending	Coward Hall RCRR/Corp Squad Air Handler Units	Internal	\$250,000	\$0	Auxiliary Maintenance Reserve	Replace Air Handler Units in Coward RCRR & Sqd Rm	Lack of personnel
	IH-298	Deas Hall Structural Repairs	Internal	\$225,000	\$0	Institutional Capital Project Fund	Repair structural issues at Deas Hall	Lack of personnel
	Pending	Ground Fire System Water Tank Replacement	Internal	\$350,000	\$0	Citadel Deferred Maintenance	Replace the ground fire system water tank	Lack of funds
	Pending	Public Safety Building-New	Internal	\$600,000	\$0	Citadel Deferred Maintenance	Build a new Public Safety building	Lack of funds/personnel
	IH-349	Quarters One Window Repl	Internal	\$100,000	\$0	Citadel Deferred Maintenance	Replace windows at Quarters One	Lack of personnel
Coastal Carolina	9548	Smith Science Renovations Phase II	State PIP	\$4,100,000	\$165,089	ICPF/ Renovation Reserve/ Plant Expansion	HVAC and electrical upgrades, roof replacement, plumbing and exterior upgrades	Repairs are planned to coincide with another science building opening for the least disruption as possible of scheduled classes for students and faculty.
	N/A	Ingle & Eaglin Hall Renovation	State PIP	\$5,000,000	\$0	Auxiliary Funds	HVAC and electrical upgrades	Buildings are scheduled to be taken off line at intervals in accordance with the 20 year maintenance plan.
	N/A	UP Housing (\$325,000 times 45 buildings)	State PIP	\$14,625,000	\$0	Auxiliary Funds	Flooring, painting, plumbing, appliances	Buildings are scheduled to be taken off line at intervals in accordance with the 20 year maintenance plan.
	N/A	Hackler Golf Course Cart Path Replacement	Internal	\$265,000	\$0	Renovation Reserve/ Plant Expansion	Replace the cart path that is in serious need of repair for safety purposes.	The golf course is currently involved with tree removal that contributed to this needed repair. When this is complete, and the type of material is identified, then work can be scheduled.
College of Charleston	9651	2012 Deferred Maintenance	State	\$880,383	None	FY2013 Lottery Funds and Match	Correction of deferred maintenance in JC Long Building envelope and roof	Project was planned and approved at the state level, however the work was deferred until FY2015 so that proper planning could take place and personnel available.
	9653	2013-14 Maintenance Needs	State	\$1,651,940	None	FY2014 Lottery Funds and Match	Exterior repairs at 12 Glebe and 12 Bull (historic houses)	Project was planned and approved at the state level, however the work was deferred until FY2015 so that proper planning could take place and personnel available.
	9650	Simons Center for the Arts Renovation	State	\$42,947,200	None	State Appropriation, Revenue Bonds, Institutional Reserve	Phase II of the complete renovation of the Simons Center for the Arts (80% of total project). Phase I was accounted for on "Active Maintenance and Repair Work and Projects" page of this report.	The original cost estimate was incomplete so the construction portion was deferred so that further investigation and A&E planning could be conducted and a new cost estimate generated. We hope to seek phase II approval FY15 or FY16.
Francis Marion		None						
Lander		None						
SC State		None						
USC Aiken		None						
USC Beaufort		None						
USC Upstate		None						
Winthrop		None						
USC Lancaster		None						
USC Salkehatchie		None						
USC Sumter		None						
USC Union		None						
Aiken TC		None						
Central Carolina TC		None						
Denmark TC		Renovate Barnwell Warehouse Workforce Development	State	\$1,482,000	\$0	Special funding	Renovate Warehouse for Work Force Development	Funding is still needed

Worksheet 3 cont.

Deferred FY 2013-14 Repair and Maintenance*

Institution	Project #	Project Name	Approval Type (Internal or State PIP)	Approved Budget	Expenditures in FY 2013-2014	Source of Funds	Scope of Work	Reason for Deferral
Florence-Darlington TC	N/A	Upgrade interior of Hartsville Site	Internal	\$43,617			Paint interior of Hartsville Site & replace VCT & carpet	Change in priority. Decided to "possibly" build a new Site, may still be done in 2015or next summer
	N/A	Upgrade interior of HSC	Internal	\$115,000			Paint interior hallway at HSC	Scheduling conflict with classes
	N/A	Upgrade Mullins Site	Internal	\$18,925			Paint interior of Mullins Site & replace VCT & carpet	Scheduling conflict with classes
	N/A	Upgrade Lake City Site	Internal	\$67,600			Pressure wash exterior, patch parking lot & replace locks	Lack of Funding/Change in Priority
	N/A	Upgrade Marion Auto Body Shop	Internal	\$10,000			Upgrade lighting & repaint interior	Need design for roof & scheduling conflict
	N/A	Upgrade SIMT	Internal	\$200,225			Repair/patch roof, paint interior and restrip/seal parking lot	Scheduling conflict with classes
	N/A	Upgrade Cosmetology Parking Lot	Internal	\$10,000				Scheduling conflict with classes
	N/A	Redo Bldg 200 concrete flooring	Internal	\$37,935			Remove paint & polish floor in Rms 201, 203 205	Being evaluated - Lack of Funding
	N/A	Bldg 300 mold remediation/upgrade interior	Internal	\$19,606			Reviewing initial finding, determine specs for bidding	Being evaluated - Lack of Funding
	N/A	Bldg 400 mold remediation	Internal	\$11,000			Reviewing initial finding, determine specs for bidding	Lack of Funding/Change in Priority
	N/A	Bldg 600 roof repairs	Internal	\$10,000			Ongoing repairs when needed, ie., leaks	Lack of Funding/Change in Priority
	N/A	Fire Alarm Upgrade for Bldgs 400, 5000 & 7000	Internal	\$200,000			ON HOLD	Part of 10 Year MASTER PLAN
	N/A	Main Campus Parking lot upgrade	Internal	\$462,000			ON HOLD - Part of 10 YR MASTER PLAN	Lack of Funding/Change in Priority
	N/A	AEDs for Off-Site Campus	Internal	\$37,500			Ongoing	Lack of Funding/Change in Priority
	N/A	Bldg 400 roof repair/patch & mold	Internal	\$150,000			Design package at SEO/MMO for review	Lack of Funding/Change in Priority
	N/A	Replace/upgrade Elevator in Bldg 5000	Internal	\$200,000			Estimated A/E fee & construction cost	Lack of Funding/Change in Priority
	N/A	Upgrade Restrooms to ADA Regulations	Internal	\$348,400			A/E estimate @\$80/sq ft @4,355 sq ft - Bldgs 100 - 7000	Lack of Funding/Change in Priority
	N/A	Add security locks for classrooms @\$692 each (132 total doors for Bldgs 100 thru 7000)	Internal	\$91,344			Phase I - Bldg 5000/7000 - 80 doors x \$692 = \$55,360	Lack of Funding/Change in Priority
Greenville TC		None						
Horry-Georgetown TC	N/A	Conway Bldg 1000 Elevator	Internal	\$80,000	\$0	Institutional Maintenance Reserve	Complete replacement of elevator	Postponed to better align institutional priorities. Will add elevator repairs to a more comprehensive project to be completed next fiscal year.
Midlands TC		None						
Northeastern TC		None						
Orangeburg-Calhoun TC		None						
Piedmont TC		None						
Spartanburg CC		None						
TC of the Lowcountry	N/A	Mungin Center Parking Lot Repaving	Internal	\$95,400			Repave parking lot w/ 2" thick asphalt	Hold due to low traffic volume
	N/A	Building 15/16 Parking Lot Repaving	Internal	\$73,800			Repave parking lot w/ 2" thick asphalt	Hold due to possible full building renovation
	N/A	Roof Replacement Building #6	Internal	\$31,200			Scrap gravel and re-roof w/ new modified torch down roof	
Tri-County TC	N/A	Fulp Hall Cooling Tower Replacement	Internal	\$100,000	\$0		Replacement of Cooling Tower	Cooling tower replacement is being combined with a larger project
	N/A	Fulp Hall Restroom Renovations	Internal	\$200,000	\$0		Replacement of fixtures and restroom partitions	Priority Change, did not have project ready to implement by start of summer.
	N/A	Fulp Hall Interior Renovations	Internal	\$200,000	\$0		Painting, flooring and ceiling replacement	Priority change, project was not ready to implement by summer semester
	N/A	Oconee Hall Interior Renovations	Internal	\$90,000	\$0		Adjunct office space and IT server closet additions	Project not ready to implement by summer semester, currently being planned for next summer
Trident TC		None						
Williamsburg TC		None						
York TC	6051	Bldg. S&T Fume Hood Repair	State PIP	\$529,437	\$10,360	State Deferred Maintenance Funds	Older fume hoods had cards and parts replaced so that they could be calibrated on a regular basis to regulate air flow in the future.	Fume hoods had been operating beyond their 10 year period but as one unit broke the College decided to update and repair all units so they could be calibrated in the future and avoid downtime.
	6051	Emergency Exit Light Replacement	State PIP	\$529,437	\$11,564	State Deferred Maintenance Funds	Replace old and outdated emergency exit light with LED lights.	Emergency lights were operating okay and college continued to replace one for one, so College deferred to later date when we have staff time to replace them across the campus with more efficient and current fixtures.
	6076	Building D Chiller Replacement	State PIP	\$288,882	\$176,011	State Deferred Maintenance Funds	Replace 30 year old chiller with new modular chiller for increased efficiency. Add new pumping.	Chiller continued to operate beyond its normal life expectancy so college chose to defer to a later replacement year.

*Deferred maintenance and repairs include the part of facilities maintenance activities that are postponed to align institutional priorities or plans; to achieve maximum benefit/savings through a more comprehensive project; or due to a lack of available funding that can be used toward such needs.

