

Capital Improvements Joint Bond Review Committee

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JOINT BOND REVIEW COMMITTEE MEETING Thursday, December 10, 2020 1:30 p.m. Virtual Video Conference

AGENDA

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Live-streaming of this meeting will be available at www.scstatehouse.gov.

AGENCY: Department of Administration
Facilities Management and Property Services

SUBJECT: Proposed Lease
College of Charleston
360 Concord Street, Charleston

The College of Charleston requests review of its proposal to lease 52,894 square feet of office, classroom and shop space at 360 Concord Street, Charleston from R.E.R Investments, Limited Company. The current lease at this location expires on December 31, 2020. The space will be used by the Department of Computer Science and as swing space for the School of the Arts during the multi-year renovation of the Simons Center.

The SC Department of Administration conducted a solicitation following a determination that other state space was not available. The Department of Administration received 3 responses, 1 of which was determined to be unresponsive. Of the 2 remaining proposals, the location selected was determined to be the least expensive alternative.

The term of the proposed lease is 5 years beginning on January 1, 2021. Rent equates to \$34.00 per square foot, which is slightly less than the existing rate, and includes operating expenses. Rent is subject to annual increase based on the lesser of the increase in the US CPI for Urban Consumers or 3%. The College's share of operating expenses is subject to any increase in building operating expenses, with the College's share capped at 3%. Total rent over the term is \$9,547,929. The lease includes 2 vehicle parking spaces and 100 bicycle parking spaces, and meets state space standards. No option to purchase the property is included in the lease.

The Department of Administration reports that lease payments will be made from college fees, and the agency's submission represents that funding for payments will be sufficient throughout the lease term. The Department of Administration reports that comparable rates for similar commercial space in the area range from \$36.00 to \$38.29 per square foot.

COMMITTEE ACTION:

Review and make recommendation regarding the proposed lease.

ATTACHMENTS:

1. Department of Administration, Facilities Management and Property Services Agenda Item Worksheet.
2. College of Charleston letter dated October 6, 2020.

JOINT BOND REVIEW COMMITTEE AGENDA ITEM WORKSHEET

Meeting Scheduled for: December 1, 2020

Regular Agenda

1. Submitted by:

- (a) Agency: Department of Administration
- (b) Authorized Official Signature:

Ashlie Lancaster

Ashlie Lancaster, Director

2. Subject: College of Charleston lease at 360 Concord St., Charleston, SC

3. Summary and Background Information:

The College of Charleston requests approval to lease 52,894 rentable square feet of office, classroom and shop space at 360 Concord Street, Charleston, SC from R.E.R. Investments, Limited Company for their Department of Computer Science and for swing space for their School of the Arts as it will be relocated from the Simons Center which will undergo a multi-year renovation beginning in the Summer of 2021. The College of Charleston’s current lease at this location expires on December 31, 2020.

After contacting state agencies to verify no adequate state space was available, the Department of Administration solicited for commercial space. Three proposals were received. One of the proposals was determined to be unresponsive as no rental rate was proposed and it was proposed new construction with a projected completion date of August 2022. Of the remaining two proposals, the selected location is the least expensive option.

The lease term will be five (5) years commencing on January 1, 2021. The rental rate for the first year of the term will be \$34.00 per square foot (\$22.87/SF which is allocated to rent and \$11.13/SF which is allocated to the tenant’s share of building operating expenses). This rate, which is slightly less than their current rate at \$34.03 per square foot, is an annual aggregate in the first year in the amount of \$1,798,396.00. Thereafter, the rent is subject to annual increases based upon the lessor of the increase in the U.S. Consumer Price Index for all Urban Consumers (CPI-U) or 3%. As such, the maximum total rent over the five (5)-year lease term is \$9,547,929.00 as more specifically set forth in the chart below.

Term	Base Rent/sq.ft.	Annual Rent	Monthly Rent
Year 1	\$ 34.00	\$ 1,798,396	\$ 149,866
Year 2	\$ 35.02	\$ 1,852,348	\$ 154,362
Year 3	\$ 36.07	\$ 1,907,918	\$ 158,993
Year 4	\$ 37.15	\$ 1,965,156	\$ 163,763
Year 5	\$ 38.27	\$2,024,111	\$ 168,676

Additionally, at the conclusion of the second year of the Term, tenant shall pay the increase, if any, of building operating expenses over the prior year’s allocation of the tenant’s share of

building operating expenses, with a cap of 3%. The lease includes two (2) vehicle parking spaces, 100 bicycle parking spaces, and full access and use of the dock space for educational purposes.

The following chart represents comparable lease rates of similar space in the Charleston area:

Tenant	Location	Rate /SF
Clemson University	701 East Bay Street	\$38.29
Medical University of South Carolina	22 West Edge	\$36.00
Vacant	Meeting St. Rd. at Algonquin Rd.	\$38.00

The College of Charleston has adequate funds for the lease according to the Budget Approval Form submitted October 9, 2020. Lease payments will be funded through college fees. The College has indicated that no fee increase will be associated with this lease. The lease meets the state standards with a density of approximately 176 usable square feet per employee. No option to purchase the property is included in the lease. The lease was approved by the College of Charleston Board of Trustees on September 29, 2020, by the Commission on Higher Education on November 5, 2020.

4. What is the JBRC asked to do? Approve the proposed five-year lease.

5. What is recommendation of the division of Facilities Management and Property Services? Approval of the proposed five-year lease.

6. List of Supporting Documents:

- (a) Letter from the College of Charleston dated October 6, 2020.

October 6, 2020

Ms. Ashlie Lancaster
Division Director, Facilities Management and Real Estate
1200 Senate Street, 6th Flr
Columbia, SC 29201

RE: Classroom and Office Space

Dear Ms. Lancaster:

The College of Charleston currently leases space at 360 Concord Street in Charleston to house its Department of Computer Science and to serve as swing space for academic building renovations. The current seven-year lease expires on December 31, 2020.

Through the lease solicitation process, the College received two proposals for these space needs. The most satisfactory response was 360 Concord Street. Therefore, the College is requesting approval for a five-year lease at this location.

The College will lease approximately 52,894SF in two buildings located at this address in order to meet current and future space needs. The Department of Computer Science has called one of the buildings home for the past seven years. Specifically of note, the College will begin the Simons Center renovation in Summer 2021. This space, which is in walking distance from the main campus, will additionally serve the School of Arts during this multi-year renovation.

We respectfully request your assistance in obtaining JBRC and SFAA approval of this lease.

Sincerely,



John F. Loonan
Executive Vice President for Business Affairs

AGENCY: Department of Administration
Facilities Management and Property Services

SUBJECT: Proposed Lease
South Carolina Department of Insurance
1201 Main Street, Columbia

The South Carolina Department of Insurance requests review of its proposal to lease 28,165 square feet of office space at 1201 Main Street, Columbia from Hamilton Capitol Center, LLC. The Department's current lease at this location will expire on February 28, 2021.

The SC Department of Administration conducted a solicitation following a determination that other state space was not available. The Department of Administration received 8 responses, 2 of which were determined to be unresponsive, and 1 of which was no longer available. Of the 5 remaining proposals, the proposal for the selected location was the second lowest bid. The location was selected by the agency because relocation would be disruptive for staff and customers, and the cost over the term of the proposed lease is less than 2% higher than the lowest bid, after giving consideration to costs associated with moving, security and information technology needs, generator service, parking, and staff downtime.

The term of the proposed lease is 7 years beginning on March 1, 2021. Rent equates to \$17.81 per square foot, including operating expenses, and will increase 2% annually. Total rent over the term is \$3,729,328. The landlord will supplement the cost of up to 100 parking spaces in the attached City of Columbia garage, with employees paying \$15 per space per month to the City of Columbia. The lease meets state space standards. No option to purchase the property is included in the lease.

The Department of Administration reports that lease payments will be made from a combination of state appropriations, and earned and restricted funds. The agency's submission represents that funding for payments will be sufficient throughout the lease term. The Department of Administration reports that comparable rates for similar commercial space in the area range from \$17.50 to \$19.75 per square foot.

COMMITTEE ACTION:

Review and make recommendation regarding the proposed lease.

ATTACHMENTS:

1. Department of Administration, Facilities Management and Property Services Agenda Item Worksheet.
2. South Carolina Department of Insurance letter dated November 4, 2020.

JOINT BOND REVIEW COMMITTEE AGENDA ITEM WORKSHEET

Meeting Scheduled for: December 1, 2020

Regular Agenda

1. Submitted by:

- (a) Agency: Department of Administration
- (b) Authorized Official Signature:

Ashlie Lancaster

Ashlie Lancaster, Director

2. Subject: Department of Insurance lease at 1201 Main Street, Columbia, SC

3. Summary and Background Information:

The South Carolina Department of Insurance (DOI) requests approval to lease 28,165 square feet of office space at 1201 Main Street, Columbia, SC from Hamilton Capitol Center, LLC. DOI's current lease at this location expires on February 28, 2021.

After contacting state agencies to verify no adequate state space was available, the Department of Administration solicited for commercial space. Eight proposals were received, two of which were determined non-responsive due to insufficient square footage offered, and one of which was no longer available when contacted for a site visit. Of the 5 remaining proposals, the selected location represents the second lowest bid. The agency selected this location as moving would be disruptive for staff and customers and this location is less than 2% greater than the lowest bid over the term of the lease when considering associated lease costs including moving costs, security and IT needs, generator service, parking, and staff downtime.

The lease term will be seven (7) years and is expected to commence on March 1, 2021. The rental rate for the first year of the term will be \$501,618.65 which is \$17.81 per square foot and includes operating expenses. Rent will increase annually at a rate of 2% as more specifically set forth in the chart below. The total rent to be paid over the 7-year term will be \$3,729,327.65.

TERM	RENT/sq. ft.	MONTHLY RENT (ROUNDED)	ANNUAL RENT
YEAR 1	\$17.81	\$41,801.55	\$501,618.65
YEAR 2	\$18.17	\$42,646.50	\$511,758.05
YEAR 3	\$18.53	\$43,491.45	\$521,897.45
YEAR 4	\$18.90	\$44,359.88	\$532,318.50
YEAR 5	\$19.28	\$45,251.77	\$543,021.20
YEAR 6	\$19.66	\$46,143.66	\$553,723.90
YEAR 7	\$20.06	\$47,082.49	\$564,989.90

As part of the rent, the Landlord will supplement the cost of up to 100 parking spaces in the attached City of Columbia garage. Employees will pay \$15/month per space directly to the City of Columbia.

The following chart represents comparable lease rates of similar space in the Columbia area:

Tenant	Location	Rate /SF
Lottery Commission	1333 Main Street	\$18.05
Commission on Higher Education	1122 Lady Street	\$17.50
SC Retirement Trust Fund	1201 Main Street	\$18.54
Vacant	500 Taylor Street	\$19.75
Vacant	1931 Assembly Street	\$19.50
Vacant	325 Taylor Street	\$18.00

DOI has adequate funds for the lease according to a Budget Approval Form submitted October 30, 2020, which also includes a multi-year plan. Lease payments will be funded through state appropriations and earned and restricted funds. The lease meets the state standards with a density of approximately 181 usable square feet per employee. No option to purchase the property is included in the lease.

4. What is the JBRC asked to do? Approve the proposed seven-year lease.

5. What is recommendation of the division of Facilities Management and Property Services? Consider approval of the proposed seven-year lease.

6. List of Supporting Documents:

- (a) Letter from the South Carolina Department of Insurance



South Carolina Department of Insurance

Capitol Center
1201 Main Street, Suite 1000
Columbia, South Carolina 29201

HENRY McMASTER
Governor

RAYMOND G. FARMER
Director

Mailing Address:
P.O. Box 100105, Columbia, S.C. 29202-3105

November 4, 2020

Ms. Ashlie Lancaster
South Carolina Department of Administration
Real Property Services
1200 Senate Street, 6th floor
Columbia, SC 29201

RE: Lease for 1201 Main Street, Suite 1000 Columbia, SC 29201

Dear Ms. Lancaster:

The South Carolina Department of Insurance (DOI) requests approval from the Joint Bond Review Committee and the State Fiscal Accountability Authority to enter into a seven (7) year lease with Hamilton Capitol Center, LLC for 28,165 rentable square feet of office space at 1201 Main Street, Suite 1000 Columbia, SC 29201. DOI's current lease, at same address expires on February 28, 2021.

After contacting state agencies to verify that there was no adequate state space available, the Department of Administration solicited for commercial space and eight (8) proposals were received. Two of the proposals were determined non-responsive due to insufficient square footage offered, and one of which was no longer available when contacted for a site visit. Of the 5 remaining proposals, the selected location represents the second lowest bid. After careful consideration, our current address appears to be the "best" choice. The lowest bid after considering all anticipated moving costs was only 1.2% (\$48,394) less over seven (7) years than our current location's bid, which does not consider an upfit allowance of \$100,000 provided for some replacement of carpeting and fresh paint in certain areas. The cumulative cost of the lease during the term is \$3,729,327.65.

I want to personally thank you and your team for all the assistance provided to us.

Thank you for your consideration of this request and please let me know if you need any additional information.

Sincerely,

A handwritten signature in blue ink that reads "Ray Farmer". The signature is written in a cursive, flowing style.

Raymond G. Farmer
Director

AGENCY: Department of Administration
Facilities Management and Property Services

SUBJECT: Proposed Lease
South Carolina Department of Public Safety
454 South Anderson Road, Rock Hill

The South Carolina Department of Public Safety requests review of its proposal to lease 11,191 square feet of office space at 454 South Anderson Road, Rock Hill from Rock Hill Business Technology Center, L.P. to support its Multidisciplinary Accident Investigation Team, Highway Patrol, and State Transport Police Division. The Department's current lease at this location will expire on December 31, 2020.

The SC Department of Administration conducted a solicitation following a determination that other state space was not available. The Department of Administration received 7 responses and the proposal for the location selected represented the lowest bid.

The term of the proposed lease is 10 years beginning on January 1, 2021. Rent equates to \$12.25 per square foot and is less than the existing rate of \$13.00 per square foot. Rent includes operating expenses, and will increase 2.5% annually. Total rent over the term is \$1,535,965. The lease includes sufficient parking for staff and visitors, and meets state space standards. No option to purchase the property is included in the lease.

The Department of Administration reports that lease payments will be made from motor vehicle and driver's license fees, and the agency's submission represents that funding for payments will be sufficient throughout the lease term. The Department of Administration reports that comparable rates for similar commercial space in the area range from \$13.35 to \$26.85 per square foot.

COMMITTEE ACTION:

Review and make recommendation regarding the proposed lease.

ATTACHMENTS:

1. Department of Administration, Facilities Management and Property Services Agenda Item Worksheet.
2. South Carolina Department of Public Safety letter dated October 30, 2020.

JOINT BOND REVIEW COMMITTEE AGENDA ITEM WORKSHEET

Meeting Scheduled for: December 1, 2020

Regular Agenda

1. Submitted by:

- (a) Agency: Department of Administration
- (b) Authorized Official Signature:



Ashlie Lancaster, Director

2. Subject: Department of Public Safety lease at 454 S. Anderson Road, Rock Hill, SC

3. Summary and Background Information:

The South Carolina Department of Public Safety (DPS) requests approval to lease 11,191 square feet of office space at 454 South Anderson Blvd., Rock Hill, SC from Rock Hill Business Technology Center, L.P. for its Multidisciplinary Accident Investigation Team (MAIT), Highway Patrol, and State Transport Police Division. DPS's current lease at this location expires on December 31, 2020.

After contacting state agencies to verify no adequate state space was available, the Department of Administration solicited for commercial space. Seven proposals were received, with the selected location representing the lowest bid.

The lease term will be ten (10) years and is expected to commence on January 1, 2021. The rental rate for the first year of the term will be \$137,089.75 which, at \$12.25 per square foot, is less than their current rate of \$13.00 per square foot and includes operating expenses. Rent will increase annually at a rate of 2.5% as more specifically set forth in the chart below. The total rent to be paid over the 10-year term will be \$1,535,964.75. There is sufficient parking available for staff and visitors.

Term	Rent/sq.ft.	Monthly Rent	Annual Rent
Year 1	\$12.25	\$11,424.15	\$137,089.75
Year 2	\$12.56	\$11,713.25	\$140,558.96
Year 3	\$12.87	\$12,002.35	\$144,028.17
Year 4	\$13.19	\$12,300.77	\$147,609.29
Year 5	\$13.52	\$12,608.53	\$151,302.32
Year 6	\$13.86	\$12,925.61	\$155,107.26
Year 7	\$14.21	\$13,252.01	\$159,024.11
Year 8	\$14.56	\$13,578.41	\$162,940.96
Year 9	\$14.93	\$13,923.47	\$167,081.63
Year 10	\$15.30	\$14,268.53	\$171,222.30

The following chart represents comparable lease rates of similar space in the York County area:

Tenant	Location	Rate /SF
Department of Social Services	454 S. Anderson Blvd.	\$13.35

Department of Revenue	775 Addison Avenue	\$17.48
Department of Motor Vehicles	Hwy. 21	\$18.43
Vacant	534 River Crossing Dr.	\$17.50
Vacant	220 West White Street	\$26.85
Vacant	515 River Crossing Dr.	\$21.00

The South Carolina Department of Public Safety has adequate funds for the lease according to a Budget Approval Form submitted November 1, 2020, which also includes a multi-year plan. Lease payments will be funded through motor vehicle license-title fees and driver's license fees. The lease meets the state standards with a density of approximately 156 usable square feet per employee. No option to purchase the property is included in the lease.

4. What is the JBRC asked to do? Approve the proposed ten-year lease.

5. What is recommendation of the division of Facilities Management and Property Services? Approval of the proposed ten-year lease.

6. List of Supporting Documents:

- (a) Letter from the South Carolina Department of Public Safety dated October 30, 2020.



S. C. DEPARTMENT OF PUBLIC SAFETY

Office of the Director

P.O. Box 1993 Blythewood, SC 29016

October 30, 2020

Ms. Ashlie Lancaster
South Carolina Department of Administration
Real Property Services
1200 Senate Street, 6th floor
Columbia, SC 29201

RE: Lease for 454 South Anderson Road, Suite 400, Rock Hill SC 29730

Dear Ms. Lancaster:

The South Carolina Department of Public Safety requests approval from the Joint Bond Review Committee and the State Fiscal Accountability Authority to enter into a ten (10) year lease with Rock Hill Business Technology Center, L.P for 11,191. of rentable square feet of office space at 454 South Anderson Road, Suite 400, Rock Hill SC. SCDPS's current lease at 454 South Anderson Road, Suite 400, Rock Hill SC expires on December 31, 2020.

As the largest law enforcement agency in the state, it is the mission of the South Carolina Department of Public Safety to protect and serve the public with the highest standard of conduct and professionalism; to save lives through educating the citizens of South Carolina on highway safety and diligent enforcement of laws governing traffic, motor vehicles, commercial carriers, and immigration; to provide protective services for government officials, state government properties, and the general public visiting these properties; and to ensure a safe, secure environment for the citizens of the state of South Carolina and its visitors. This location includes units of the Highway Patrol, State Transport Police, and the Multi-disciplinary Accident Investigation Team (MAIT) staff.

After contacting state agencies to verify that there was no adequate state space available, the Department of Administration solicited for commercial space and six proposals were received. The lowest offer received was for the current space occupied by SCDPS. The following criteria were used in evaluating the sites: potential disruption in providing mission critical services during the move to a new location; and associated costs (moving services, removal and installation of IT equipment and cabling, etc.) to relocate the offices to another location would exceed the apparent difference between the lowest offer and the second lowest offer. After careful consideration, 454 South Anderson Road, Suite 400, Rock Hill SC 29730 was selected because it is the most cost effective and lowest offer. The cumulative cost of the lease during the term is \$1,535,964.75.

Thank you for your consideration of this request and please let me know if you need any additional information.

Sincerely,

Michael Oliver
Chief of Staff

AGENCY: Department of Administration
Capital Budget Office

SUBJECT: Permanent Improvement Project with Financing
Clemson University
Wastewater Treatment Plan Improvements

Clemson University requests Phase II review to establish full design and construction to replace and upgrade facilities at the University's Wastewater Treatment Plant. The project will be funded with proceeds from a proposed issuance of general obligation state institution bonds.

Permanent Improvement Project. The project was established in October 2019 with a Phase I budget of \$150,000, funded with Maintenance and Stewardship funds. This request will increase the project budget to \$8 million, funded by general obligation state institution bonds.

The project provides for improving the biological process and clarification equipment, providing for process redundancy, installing equipment for process equalization, establishing automation and remote monitoring capabilities, and making wastewater collection system improvements. The project will eliminate use of chlorine by replacement with energy efficient ultraviolet disinfection.

The original plant was constructed in 1964 when main campus enrollment was less than 5,000 students, as compared to current enrollment of 25,000 students. While projected flow is not expected to exceed daily requirements for the next 20 years, much of the equipment is more than 45 years old, which impacts the system's reliability, redundancy, and overall flexibility. Recent regulatory findings on sanitary sewer collection piping have revealed significant deficiencies in the University's aging underground infrastructure, where components have reached the end of their useful lives and need rehabilitation.

If the project is approved, the University expects to execute the construction contract in February 2021, with completion of construction in September 2023.

General Obligation State Institution Bonds (Issued by the State on Behalf of Clemson University). The college proposes funding the permanent improvements with not exceeding \$8.25 million in General Obligation State Institution Bonds, including expenses associated with issuance of the bonds.

Article X, §13(6)(b) of the South Carolina Constitution authorizes the issuance of state general obligation bonds for an institution of higher learning if the bonds are additionally secured by a pledge of the revenues derived from the tuition fees received by that institution; provided that the maximum annual debt service on all state institution bonds issued for the institution and outstanding at any time will not exceed 90% of the total tuition fees received by the institution in the preceding fiscal year. Chapter 107 of Title 59 of the SC Code implements this constitutional provision.

Tuition fees collected by the college for FY2019-20 and made available to comply with the constitutional and statutory limit on debt service totaled \$48.35 million. Maximum annual debt service on existing and proposed bonds is not expected to exceed \$20.69 million, or 43% of tuition fees designated for compliance with the limit on annual debt service.

The term of the proposed bonds will be 20 years.

Documentation supporting submission of the permanent improvement project states that no student tuition or fee increase will be required to support the project. The college designates a portion of student fees for capital improvements; the amount so designated has increased over the past 5 academic years from \$738 to \$1,005 per student per semester.

In the event that revenue from tuition fees in any fiscal year is insufficient to meet the debt service requirements of the bonds, the State Treasurer is required to set aside general tax revenues of the state sufficient to provide for the debt service then or to become due in that fiscal year, and apply the funds set aside to the punctual payment of the obligation.

The full faith and credit of the State will be pledged to the payment of the proposed bonds; however, no mortgage or lien will be given on any real property of the institution or the state.

COMMITTEE ACTION:

1. Review and make recommendation regarding Clemson University's proposal to establish full design and construction to replace and upgrade facilities at the University's Wastewater Treatment Plant, to be funded with proceeds from a proposed issuance of general obligation state institution bonds.
2. Review and make recommendation regarding Clemson University's request for issuance by the state on its behalf of not exceeding \$8,250,000 in General Obligation State Institution Bonds.

ATTACHMENTS:

1. Department of Administration, Executive Budget Office Agenda Item Worksheet.
2. Bond Information Report and Exhibits.

AVAILABLE:

1. Constitutional and Statutory References: Article X, §13(6)(b) of the South Carolina Constitution; Chapter 107 of Title 59 of the South Carolina Code of Laws (State Institution Bonds).

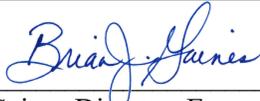
JOINT BOND REVIEW COMMITTEE AGENDA ITEM WORKSHEET

Meeting Scheduled for: December 1, 2020

Regular Agenda

1. Submitted By:

- (a) Agency: Department of Administration
- (b) Authorized Official Signature:


 Brian J. Gaines Director, Executive Budget Office

2. Subject:

Clemson University – Wastewater Treatment Plant Improvements

3. Summary Background Information:

Establish Construction Budget & Change Source of Funds

- 1. Project: Clemson University
H12.9943: Wastewater Treatment Plant Improvements

- Request: Establish Phase II to replace and upgrade facilities at the Wastewater Treatment Plant that serves Clemson University.

- Included in CPIP: Yes – 2019 CPIP Priority 3 of 7 in FY20 (estimated at \$8,000,000)
- Phase I Approval: October 2019 (estimated at \$8,000,000) (SFAA)
- CHE Approval: 11/5/20
- Supporting Details: Pages 1-14

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Institution Bonds				8,000,000	8,000,000
Other – Maintenance & Stewardship	150,000		150,000	(150,000)	
All Sources	<u>150,000</u>		<u>150,000</u>	<u>7,850,000</u>	<u>8,000,000</u>

Summary of Work: The work will include improving the biological process and clarification equipment, providing additional biological process redundancy, installation equipment for biological process equalization and for automation and remote monitoring capabilities, and making wastewater collection system improvements. The project will eliminate the need for chlorine usage and replace it with energy efficient UV disinfection.

Rationale: When the original plant was constructed main campus enrollment was less than 5,000 students. Due to the installation of water conservation measures in recent years, the projected flow is not expected to exceed the design average daily flow over the next 20 years. The age of the equipment impacts the systems reliability, redundancy and operational flexibility. In addition, because the facility is not manned 24/7 and only a portion of the plant is on the plant’s control system, improved automation, remote monitoring and control capabilities are needed to serve current and future campus facilities. Recent regulatory findings on sanitary sewer collection piping under DHEC and EPA programs have revealed

significant deficiencies in the university's aging underground sewer collection infrastructure, where piping and manhole structures have reached the end of their useful lives and need rehabilitation.

Facility Characteristics: The plant is not a traditional building renovation, but the basins, clarifiers and chambers to be renovated total approximately 18,500 square feet and the original plant was constructed in 1964 (56 years old). The plant benefits the entire Clemson University community, including approximately 25,000 students, 1,650 faculty and 3,750 staff.

Financial Impact: The project will be funded from State Institution Bond Funds (to be issued by the college for \$8,000,000). The project is not expected to result in any change in annual operating expenditures. No student fees or tuition will be increased as a consequence of the project. A portion of tuition is designated for capital improvements, currently \$1,005 per student per semester, and has increased from \$738 in 2015-2016 to 2020-2021 respectively.

Full Project Estimate: \$8,000,000 (internal) funded by State Institution Bonds.

4. What is JBRC asked to do?

Consider approval of the Permanent Improvement Project Phase II.

5. What is the recommendation of the Department of Administration?

The item is complete and ready for JBRC review.

6. List of Supporting Documents:

1. Permanent Improvement Project Wastewater Treatment Plant Improvements
2. Clemson University Bond Information Report



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1411 Gervais Street, Suite 300
Post Office Box 11509 (29211)
Columbia, SC 29201
MAIN 803.354.4900
FAX 803.354.4899
www.popellynn.com

October 26, 2020

Mr. F. Richard Harmon, Jr.
Senate Finance
111 Gressette Building
Columbia, South Carolina 29202

Re: Not Exceeding \$8,250,000 of General Obligation State Institution Bonds (Issued on Behalf of Clemson University) of the State of South Carolina (the "Bonds")

Dear Rick:

Clemson University (the "University") plans to request project review and approval of proposed improvements to its Wastewater Treatment Plant at the December 2020 Joint Bond Review Committee and State Fiscal Accountability Authority meetings, and in connection with such request will propose that a portion of the budget for such project include proceeds of the Bonds. In accordance with the policy adopted by the Joint Bond Review Committee on October 7, 2014, as amended on September 13, 2016, regarding any agency or institution request for a project approval that results in the addition of bond funds to the project budget, please find enclosed the required documentation detailing the proposed financing of the proposed project. On behalf of the University, we respectfully request that the Joint Bond Review Committee consider the request for the use of proceeds from the proposed Bonds in connection with its consideration of the proposed project at its meeting currently tentatively scheduled for December 1, 2020.

Please let us know should you require anything further or if you have any questions regarding the enclosed.

Very truly yours,

A handwritten signature in blue ink, appearing to read "G. T. Pope, Jr.", is written over the typed name below.

Gary T. Pope, Jr.

c: Rick Petillo, Chief Financial Officer, Clemson University
Kevin Kibler, Senior Assistant State Treasurer, Office of State Treasurer

Enclosures

Clemson University Bond Information Report

Prepared in Connection with the Proposed Authorization of

Not Exceeding \$8,250,000 of State of South Carolina General Obligation
State Institution Bonds (Issued on Behalf of Clemson University),
Series 2021

October 26, 2020

Amount and Type of Bond. Clemson University (the “University”) is making application to the South Carolina State Fiscal Accountability Authority for the issuance of not exceeding \$8,250,000 of State of South Carolina General Obligation State Institution Bonds (Issued on Behalf of Clemson University), Series 2021 (the “Bonds”), in order to provide funds to: (i) construct, reconstruct, improve, furnish, and refurnish a wastewater treatment plant facility and related improvements and infrastructure on the campus of the University; (ii) reimburse the University for expenses incurred in anticipation of the issuance of the Bonds ((i) and (ii), the “Project”); and (iii) pay for expenses related to the issuance of the Bonds.

Revenues Pledged to Pay the Bonds. Tuition revenues of the University and the full faith, credit, and taxing power of the State of South Carolina would be pledged to the payment of the Bonds. Article X, Section 13, Paragraph (6)(b) of the South Carolina Constitution provides that general obligation bonds for any state institution of higher learning designated by the General Assembly (“State Institution Bonds”) may be issued, if such bonds shall be additionally secured by a pledge of the revenues derived from the tuition fees received by the particular institution of higher learning for which such State Institution Bonds are issued; provided, that the maximum annual debt service on all State Institution Bonds so additionally secured issued for such state institution thereafter to be outstanding shall not exceed 90% of the sums received by such state institution of higher learning from tuition fees for the fiscal year next preceding. Title 59, Chapter 107 of the South Carolina Code (the “Enabling Act”) provides for the authorization of State Institution Bonds. Section 11-29-30 of the South Carolina Code requires the State Treasurer to set aside from the tuition fees collected by such state institution and received in each fiscal year in which interest on and principal of the Bonds become due, so much of such revenues from such tuition fees as may be necessary in order to pay the interest on and principal of all State Institution Bonds issued on behalf of the University and due in each fiscal year, and the State Treasurer thereafter applies such moneys to the punctual payment of such principal and interest as they become due. In the event revenues derived from the tuition fees so pledged prove insufficient to meet the payments of interest on and principal of the Bonds in such fiscal year, then the State Treasurer is authorized and directed to set aside so much of the general tax revenues received in each fiscal year as may be necessary to pay the principal of and interest on the Bonds due in such year and to apply the same to the punctual payment of such principal and interest.

The sum of tuition fees, for the purposes of the Enabling Act, for the fiscal year ended June 30, 2020, totaled \$48,352,203 (unaudited). The debt service requirements on all existing, authorized, and proposed State Institution Bonds (Issued on Behalf of the University) are attached as Exhibit A. Exhibit B reflects maximum annual debt service of \$20,681,380 in fiscal year 2027,

and debt service utilization of fiscal year 2020 tuition fees ranging from 5% to 43%, compared to the 90% statutory limitation. The University will covenant that the schedule of tuition fees now in effect at the University will be revised from time to time and whenever necessary in order to provide the annual principal and interest requirements of all State Institution Bonds now or hereafter to be outstanding, which have been or will be issued on behalf of the University.

New Revenue Generation. Sustaining current operations and enrollment and replacing fully depreciated, inefficient, and outdated facilities, rather than revenue generation, is the basis for this Project. The University is not relying on any increase in revenues to pay debt service on the Bonds.

Other Funds Available to Pay Bonds. Current tuition levels are more than sufficient to pay the debt service on the Bonds. In order for current tuition levels to be insufficient, enrollment would need to decrease by more than 50%. Clemson's enrollment has increased every year since 2002 and has grown approximately 25% in the past 10 years.

Student Fees, Credit of the State, Mortgages. The full faith and credit of the State of South Carolina would be pledged to the payment of the Bonds. No Special Student Fee is authorized to be imposed in connection with the Bonds. No mortgage or lien has been or will be given in connection with the issuance of the Bonds.

Exhibit A

Clemson University - State Institution Bonds - Composite Debt Service

Fiscal Year	Existing Debt Service	Debt Service on Authorized but Unissued	Proposed Issue		Composite Debt Service
			Principal	Interest	
6/30/2021	\$ 18,290,713	\$ -	\$ -	\$ -	\$ 18,290,713
6/30/2022	18,119,213	2,014,283	370,000	166,068	20,669,564
6/30/2023	18,120,713	2,015,867	390,000	145,207	20,671,786
6/30/2024	18,120,213	2,014,695	395,000	142,243	20,672,150
6/30/2025	18,121,463	2,018,299	395,000	139,201	20,673,963
6/30/2026	18,122,963	2,016,190	400,000	136,002	20,675,154
6/30/2027	18,125,763	2,018,096	405,000	132,522	20,681,380
6/30/2028	18,118,663	2,018,504	410,000	128,634	20,675,800
6/30/2029	18,119,363	2,016,773	415,000	124,165	20,675,300
6/30/2030	17,817,025	2,017,863	420,000	119,102	20,373,989
6/30/2031	17,313,825	2,016,982	425,000	113,516	19,869,322
6/30/2032	12,359,219	2,014,245	430,000	107,438	14,910,901
6/30/2033	12,211,494	2,016,070	435,000	99,913	14,762,476
6/30/2034	12,064,431	2,017,942	445,000	91,126	14,618,499
6/30/2035	9,527,519	2,015,087	455,000	81,069	12,078,674
6/30/2036	9,377,400	2,018,363	465,000	69,967	11,930,730
6/30/2037	5,559,650	2,017,733	480,000	57,877	8,115,260
6/30/2038	408,400	2,018,593	490,000	44,773	2,961,766
6/30/2039	406,850	2,015,868	505,000	30,808	2,958,526
6/30/2040	-	2,014,628	520,000	15,860	2,550,488
Totals	<u>\$ 278,851,886</u>	<u>\$ 38,316,075</u>	<u>\$ 8,250,000</u>	<u>\$ 1,945,487</u>	<u>\$ 308,816,437</u>

Exhibit B

Clemson University - State Institution Bonds - Coverage

Fiscal Year	FY20 Tuition		Pro Forma Pledged Tuition	Utilization of Pledged Revenues (90% is Debt Limit)
	Composite Debt Service	Pledged to Debt Service		
6/30/2021	\$ 18,290,713	\$ 48,352,203	\$ -	38%
6/30/2022	20,669,564	48,352,203		43%
6/30/2023	20,671,786	48,352,203		43%
6/30/2024	20,672,150	48,352,203		43%
6/30/2025	20,673,963	48,352,203		43%
6/30/2026	20,675,154	48,352,203		43%
6/30/2027	20,681,380	48,352,203		43%
6/30/2028	20,675,800	48,352,203		43%
6/30/2029	20,675,300	48,352,203		43%
6/30/2030	20,373,989	48,352,203		42%
6/30/2031	19,869,322	48,352,203		41%
6/30/2032	14,910,901	48,352,203		31%
6/30/2033	14,762,476	48,352,203		31%
6/30/2034	14,618,499	48,352,203		30%
6/30/2035	12,078,674	48,352,203		25%
6/30/2036	11,930,730	48,352,203		25%
6/30/2037	8,115,260	48,352,203		17%
6/30/2038	2,961,766	48,352,203		6%
6/30/2039	2,958,526	48,352,203		6%
6/30/2040	2,550,488	48,352,203		5%

AGENCY: Department of Administration
Capital Budget Office

SUBJECT: Proposed Permanent Improvement Projects
For Consideration *En Bloc*

The Department of Administration has submitted 19 proposals for Permanent Improvement Projects on behalf of agencies. Summary review is recommended *en bloc*, summarized as follows:

	Items	Existing Budget	Proposed Budget Change	Estimated Total Project Cost
Higher Education				
H27 - University of South Carolina - Columbia	1	50,000	4,190,000	4,240,000
H51 - Medical University of South Carolina	1	1,200,000	500,000	1,700,000
H59 - Greenville Technical College	1	3,241,701	92,309	3,334,010
H59 - Spartanburg Community College	1	466,446	2,921,000	3,387,446
Higher Education Total	4	4,958,147	7,703,309	12,661,456
Agencies				
D50 - Department of Administration	1	-	9,854	590,272
E24 - Office of the Adjutant General	2	769,000	484,134	1,524,627
J12 - Department of Mental Health	3	-	25,925	1,730,000
J16 - Department of Disabilities & Special Needs	1	4,125	270,875	275,000
N12 - Department of Juvenile Justice	2	65,377	3,730,623	3,796,000
P20 - Clemson University PSA	1	-	75,000	1,800,000
P24 - Department of Natural Resources	4	20,000	886,048	4,211,615
R60 - Department of Employment and Workforce	1	4,800	444,825	449,625
Agencies Total	15	863,302	5,927,284	14,377,139
Grand Total	19	5,821,449	13,630,593	27,038,595

COMMITTEE ACTION:

Review and make recommendation of proposed permanent improvement projects for transmittal to the State Fiscal Accountability Authority or Department of Administration, as applicable.

ATTACHMENTS:

1. Department of Administration, Capital Budget Office, Agenda Item Worksheet - Summary 3-2021.

Establish Construction Budget

1. Project: University of South Carolina - Columbia
 H27.6134: West Campus Parking Development
- Request: Establish Phase II to develop on-grade asphalt-paved parking to serve Greek Village residents and non-resident fraternity and sorority members on the 700 block of Devine Street.
- Included in CPIP: Yes – 2020 CPIP Priority 4 of 11 in FY21 (estimated at \$4,240,000)
 Phase I Approval: February 2020 (estimated at \$3,735,000) (SFAA)
 CHE Approval: 11/5/20
 Supporting Details: Page 15-32

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Other, Greek Village Student Fees	50,000		50,000	4,190,000	4,240,000
All Sources	<u>50,000</u>		<u>50,000</u>	<u>4,190,000</u>	<u>4,240,000</u>

Summary of Work: The on-grade asphalt-paved parking to be developed will be located on a 2.44-acre university owned parcel that currently has two, one-story industrial buildings that will be demolished. One building accommodates student studios for the School of Visual Art and Design, and study and performance space for the Department of Theater and Dance. The second building contains a community outreach program associated with the Arnold School of Public Health and other miscellaneous occupants. The cost of abating and demolishing the two existing buildings (the 718 Devine Street and 730 Devine Street), is included in the cost of this project. The parking will provide 275 spaces and will include the typical amenities found on nearby university parking lots such as lighting, security gates, parking management services, emergency call stations, and landscaping. Additionally, the project will bear the cost of relocating the occupants in the 718 Devine Street building to the 707 Catawba Street building (owned by USC Development Foundation and currently leased by the university). The 707 Catawba Street building will also be renovated as part of this project to accommodate School of Visual Art and Design student studios and a Theatre. The renovated space will be superior to the existing space by providing a better conditioned environment and will meet life safety codes for fire suppression. Art students will have simple studio spaces defined with chain-link fencing and the theatre will have a minimally furnished black-box performance space. The program includes replacing the amenities that the programs currently have at Devine Street. Also provided will be a toilet core, a small public lobby space, a classroom, support space for the theatre and approximately 20 parking spaces.

Rationale: The property to be used is adjacent to the Greek Village and is contiguous by virtue of the ability to walk under the Blossom Street Bridge from the proposed parking lot to the Village. This connectivity eliminates the need to cross Blossom Street on-grade which is a busy vehicular thoroughfare and represents a concern for student safety. Additionally the buildings to be demolished are aged, not architecturally significant, inadequate environmentally, and require extensive maintenance to improve them to be satisfactory for the users. Consequently, their demolition and removal are justified to enable parking

to be developed in their place. Additionally, the university occupied industrial building nearby on Catawba Street has space and high overhead clearance to accommodate the relocated School of Visual Art and Design and Theatre departments following a renovation.

Facility Characteristics: The total area of the parcels to be considered for parking is approximately 2.44 acres and will include a total of 295 parking spaces. Parking and Transportation Services and the Greek Life Program will occupy the parking lot. More than 6,500 students who participate in the Greek Life Program are expected to use the parking development. Approximately 11,000 square feet will be renovated in the 707 Catawba Street building, constructed in the 1970s (approximately 50 years old). The School of Visual Arts and Design and Theater will use the renovated space.

Financial Impact: The project will be funded from Greek Parking Student Fee Funds (uncommitted balance \$6.1 million at June 30, 2020). Revenue to this fund was generated from a fee imposed on all Greek Village students beginning in FY17 for \$125 per semester and increased to \$375 per semester in FY18. The fee was discontinued in December 2019. The project is expected to result in a decrease of \$101,300 (years 1 thru 3), in annual operating expenses. No student fees or tuition will be increased as a consequence of the project.

Full Project Estimate: \$4,240,000 (internal) funded by Greek Parking Student Fee Funds. The estimated cost to complete the project increased from the Phase I estimate because the Phase I design process more fully determined the scope of the work for the two components of the project enabling a more reliable opinion of probable cost that could be offered with the Phase II submittal. The cost of the parking work at Devine Street remained relatively consistent, (actually decreased slightly), from the initial internal estimate. The cost increase occurred with the component of work associated with the 707 Catawba upfit. Contract execution is expected in April 2021 with construction completion in February 2022.

Other: The scope of work supplants a previous concept to construct a multi-story parking garage on the site. This project will provide less parking but be a significantly more economical alternative to a parking structure.

Phase II Budget Increase

2. Project: Medical University of South Carolina
 H51.9848: Basic Science Building Air Handler Units 4 and 4A Replacement
- Request: Increase the Phase II to cover the lowest bid that came in \$500,000 over budget.
- Included in CPIP: Yes – 2019 CPIP Priority 1 of 5 in FY20 (included in Capital Renewal Projects – Estimated at \$10,000,000 - this component estimated at \$1,200,000)
- Phase I Approval: May 2019 (estimated at \$1,200,000) (SFAA)
- Phase II Approval: October 2019 (estimated at \$1,200,000) (SFAA)
- CHE Approval: 11/5/20
- Supporting Details: Pages 33-52

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Other, Deferred Maintenance	18,000	1,182,000	1,200,000	500,000	1,700,000
All Sources	<u>18,000</u>	<u>1,182,000</u>	<u>1,200,000</u>	<u>500,000</u>	<u>1,700,000</u>

Summary of Work: The project is replacing Air Handler Units #4 and #4A in the Basic Science Building. It is anticipated that these units can be replaced with a single larger unit. There are 8 total air handler units in the building, all varying ages. Energy efficient equipment and digital controls will be installed.

Rationale: Both units are past their useful life and need to be replaced.

Facility Characteristics: The Basic Science Building is 335,663 square feet and was constructed in 1972 (48 years old). The air handler was installed in 1996 (24 years old). The 2 air handler units being replaced serve approximately 11,700 square feet of the facility. There are 300 – 400 faculty and staff permanently housed in the building. In addition, this building is a major academic building with 400 – 500 students entering it daily.

Financial Impact: The project will be funded from Deferred Maintenance Funds (uncommitted balance \$4 million at September 28, 2020). Revenue to the Deferred Maintenance fund was established in 2013 when the university adopted RMC (Responsibility Centered Management) as the budget model. This budgeting model allocates all state appropriations and tuition/fees to the colleges and allocates all grant indirect cost recoveries to the grantee's college or unit. MUSC does not charge a separate plant improvement fee to the students. Under RMC, a Strategic Investment Fund has been created based on a percentage tax on certain college revenue streams. Approximately \$4 million of the Strategic Investment Fund retained by central administration is used to fund facilities and deferred maintenance. The source of funding varies each year and is dependent on what each college has identified as available funding. The project is not expected to result in any change in annual operating expenditures. No student fees or tuition will be increased as a consequence of the project. This project was not included in the 2020 CPIP because the bid opening occurred in September 2020, which was after the CPIP was submitted.

Full Project Estimate: \$1,700,000 (internal) funded by Deferred Maintenance Funds. Contract execution is expected in December 2020 with construction completion in September 2021.

Other: The low bidder advised that material prices have increased 10-20% across the board as the effects of the pandemic are now affecting supply chain pricing. This increased material pricing resulted in the following items having increased costs when compared to the Phase 2 construction estimate: Structural support (+\$100,000), Air Handler Unit (+100,000), Piping (+\$100,000), and Ductwork (\$50,000). In addition, the controls pricing was \$100,000 over the estimated budget

Phase II Budget Increase

3. Project: Greenville Technical College
 H59.6136: Greenville – Benson Campus Amphitheater and Student Plaza
- Request: Increase Phase II budget to add a paved drop zone and handicap parking to edge of Student Plaza area per donor’s request.
- Included in CPIP: Yes – 2017 CPIP Priority 3 of 3 in FY20 (estimated at \$1,326,335)
 Phase I Approval: January 2018 (estimated at \$2,500,000) (SFAA)
 Phase II Approval: August 2018 (estimated at 2,901,701) (SFAA)
 Phase II Increase Approval: May 2019 (estimated at \$3,041,701) (Admin.)
 CHE Approval: 11/5/20
 Supporting Details: Pages 53-64

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Other, Private Citizen Donation	37,500	3,064,201	3,101,701	92,309	3,194,010
Other, Local College Plant Maintenance (transfer from 6131)		140,000	140,000		140,000
All Sources	<u>37,500</u>	<u>3,204,201</u>	<u>3,241,701</u>	<u>92,309</u>	<u>3,334,010</u>

- Summary of Work: The project was to construct an amphitheater and student plaza on approximately 4 acres, in an outside lawn area between buildings 301 and 302, alongside Building 301 and the main entrance drive on Benson Campus. The facility includes tiered natural and bench seating, a stage, audio/visual, wireless internet, stage lighting, electrical panel service, band-shell pavilion, restroom facilities, native plant landscaping, and canopy trees. Nature trails, landscaping, and a small parking area along the main driveway into campus is also included. The addition to the project will require additional architectural and engineering fees, site development (grading, construction testing, additional stone, paving, striping, and concrete work), relocation of a light pole, landscaping and additional signage.
- Rationale: The college states that an aesthetically pleasing outdoor learning environment without walls or a ceiling in the fresh air, sunshine and relaxed setting will foster an environment to enhance creative thought processes by students.
- Facility Characteristics: A small art pavilion structure of approximately 3,000 square feet is being constructed. The amphitheater and terraced seating will provide approximately 185 seats for performances and a large lawn beyond the tiered seating for blanket seating. The area will be utilized by an estimated 900 students, 50 faculty, 30 staff and 1,000 outside visitors.
- Financial Impact: The project will be funded from a Private Citizen Donation. The revenue for this increase will be received specifically for the development and construction of this project. A commitment letter has been received from Greenville Tech Foundation confirming that

\$92,309 in additional funding has been received for this project. The project is expected to result in an increase of \$3,000 (years 1 thru 3) in annual operating expenses. No student fees or tuition will be increased as a consequence of the project. A portion of tuition is designated for capital improvements, currently \$100 per student per semester, and has not increased from academic year 2014-2015.

Full Project Estimate: \$3,334,010 (internal) funded by Private Citizen Donation Funds and Local College Plant Maintenance Funds. Construction completion expected in January 2021. This requested increase was not included in the 2020 CPIP because the private donor requested this addition to the project in late September, which was after the 2020 CPIP submission deadline.

Phase II Budget Increase

4. Project: Spartanburg Community College
 H59.6148: Spartanburg-Powers Building Renovations
- Request: Increase Phase II budget to continue renovating the Central Campus Powers Building.
- Included in CPIP: Yes – 2020 CPIP Priority 3 of 3 in FY21 (This phase estimated at \$2,921,000)
 Phase II Approval: February 2019
 (this phase estimated at \$448,000 – total estimated for all phases \$4,176,000) (JBRC)
- Phase II Decrease &
 Revise Scope Approval: November 2019
 (this phase estimated at \$421,446 – total estimated for all phases \$4,176,000) (Admin)
- Phase II Increase
 Approval: February 2020
 (this phase estimated at \$466,446 – total estimated for all phases \$4,176,000) (JBRC)
- CHE Approval: 11/5/20
 Supporting Details: Pages 65-82

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Other – College	448,000	18,446	466,446	2,921,000	3,387,446
All Sources	<u>448,000</u>	<u>18,446</u>	<u>466,446</u>	<u>2,921,000</u>	<u>3,387,446</u>

Summary of Work: Due to funding availability the college is seeking approval of the work as a PIP in phases. This phase of the project will include A&E and construction procurement for the following: 1) B-Wing HVAC system and finish upgrades from unit ventilator and fan coil systems to a variable air volume (VAV) system. 2) B-Wing laboratory renovations and equipment/furnishings to include mechanical, electrical, concrete/masonry, plumbing, energy efficient lighting, communication/fire alarm, wall, ceiling and floor finishes. 3) C-Wing Roof Replacement which includes removing the existing built-up roof and replacement with a TPO membrane roof that will come with a 20-year manufacturer and workmanship warranty. The first phase of this project completed renovations to 2,743 square feet in the C-Wing.

Rationale: This building is the dominant classroom building for the college and requires comprehensive with sequential renovation of offices, classrooms, labs, and restrooms to meet acceptable workplace and educational instruction standards. It is not feasible to close this building for extended periods of time nor does the college have undesignated funds that would be necessary for all the needed renovations and deferred maintenance at one time.

Facility Characteristics: The 74,185 square foot three (3) wing building was constructed in 1969 (51 years old), with an addition added in 1973 (47 years old). The C-Wing roof was installed in 1992 (28 years old). The campus is utilized by 41 faculty and staff, plus 1600+ students.

Financial Impact: The project will be funded from College Funds (uncommitted balance \$5.3 million at August 31, 2020). Revenue to the fund is total revenue and fund balance less college capital expenses less college plant fund carryforward projects resulting in the remaining

college revenue and fund balance. The project is expected to result in a decrease of \$17,000 (year 1), \$18,000 (year 2), and \$19,000 (year 3) in annual operating expenses. No student fees or tuition will be increased as a consequence of the project. A portion of tuition is designated for capital improvements, currently \$161 per student per semester, and has not increased from academic year 2014-2015.

Full Project Estimate: \$5,968,446 (internal) funded by College Funds. Contract execution for this portion of the project is expected in April 2021 and completion of construction in September 2021.

Establish Project for A&E Design

5. Project: Department of Administration
 D50.6068: Hayne Lab - Motor Controls - Penthouse and Basement
- Request: To establish Phase I design to replace the motor controls (MCCs) located in the penthouse and basement areas of the Hayne Lab building.
- Included in CPIP: Yes – 2020 CPIP Priority 3 of 33 in FY21 (estimated at \$591,000)
- CHE Approval: N/A
- Supporting Details: Pages 83-92

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Appropriated State				9,854	9,854
All Sources				<u>9,854</u>	<u>9,854</u>

- Summary of Work: The scope of work will include demolition and removal of the existing MCCs, reconnection of existing loads, temporary power and motor control replacement. Additionally, the work will include engineering services, abatement and 3rd party inspections.
- Rationale: The MCCs are critical electrical components of the building’s HVAC system serving the entire building. The existing units are original to the building and in need of replacement. Several have failed and are no longer manufactured.
- Facility Characteristics: The Hayne Lab is 87,879 gross square feet and was constructed in 1977 (43 years old). The building houses 197 DHEC staff and has no public access.
- Financial Impact: The project will be funded from Appropriated State, FY21 Part 1A, Section 93 II.C.2 Permanent Improvements. The project is not expected to result in any change in annual operating expenditures.
- Full Project Estimate: \$590,272 (internal) funded by Appropriated State, FY21 Part 1A Section 93 II.C.2 Permanent Improvements.

Establish Project for A&E Design

6. Project: Office of the Adjutant General
 E24.9827: Alternate State Emergency Operations Center (Alt SEOC)
- Request: To establish Phase I design for the construction of office and meeting space supported by SCEMD in their warehouse located at 100 Tide Water Drive in Winnsboro.
- Included in CPIP: Yes – 2020 CPIP Priority 19 of 25 in FY21 (estimated at \$359,273)
- CHE Approval: N/A
- Supporting Details: Pages 93-100

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Appropriated State				2,067	2,067
Federal, Emergency Management Performance Supplemental Grant				2,067	2,067
All Sources				<u>4,134</u>	<u>4,134</u>

- Summary of Work: The scope of work includes office renovations to the first floor, second floor and a 50’ x 50’ middle section. Additionally, equipment and HVAC and IT materials will also be included in the project.
- Rationale: South Carolina must ensure continuity of operations (COOP) for its State Emergency Operations Center. An Alternate Emergency Operations Center (ASEOC) supports COOP during emergency and disaster response by providing facilities and equipment that enables critical coordination among emergency response partners in the event that the primary SEOC is unusable. The current ASEOC is located within the SCDPS building, located in Blythewood. Changes in technology and IT security protocols have increased the amount of time needed to prepare this site for use.
- Facility Characteristics: The new ASEOC will be relocated to a 181,744 square foot vacant warehouse that was constructed in 1980 (50 years old) currently owned by SCEMD. The new ASEOC will be located in 5,500 square feet of the facility. The facility serves SCEMD and supporting state agencies that provide emergency response and recover management. There will be approximately 150 SCEMD personnel and state/volunteer/federal and private sector agencies that work as SC’s Emergency Response Team.
- Financial Impact: The project will be funded from Appropriated State Funds (uncommitted balance \$1.4 million at October 22, 2020) and Federal, Emergency Management Performance Supplemental Grant Funds (uncommitted balance \$577K At October 22, 2020). The Appropriated State revenue is CARES Act/COVID Relief Funding and will be used as a match to the federal funds. The Emergency Management Performance Supplemental Grant funds are received as a supplemental award to South Carolina to support emergency management programs. The project is expected to result in an increase of \$12,800 (year 1) and \$13,032 (year 2) and \$13,268 (year 3) in annual operating expenses.
- Full Project Estimate: \$275,627 (internal) funded by Appropriated State and Emergency Management Performance Grant Funds.

Phase II Increase

7. Project: Office of the Adjutant General
 E24.9812: Statewide Readiness Center Female Latrines
- Request: Increase the Phase II budget to for the construction of the Kingstree and Newberry female latrines, and for the design of West Columbia.
- Included in CPIP: Yes – 2020 CPIP Priority 4 of 25 in FY21
 (this portion estimated at \$600,000 & estimated at \$2,650,000 for all 12 facilities)
- Phase I Approval: August 2018 (estimated at \$2,233,435 for all 12 facilities) (JBRC/SFAA)
 Phase II Approval: April 2019 (estimated at \$2,450,000 for all 12 facilities) (JBRC/SFAA)
 Phase II Increase Approval: February 2020 (estimated at \$2,650,000 for all 12 facilities) (JBRC/SFAA)
 CHE Approval: N/A
 Supporting Details: Pages 101-112

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Appropriated State	12,500	329,750	342,250	120,000	462,250
Federal, National Guard Bureau	37,500	389,250	426,750	360,000	786,750
All Sources	<u>50,000</u>	<u>719,000</u>	<u>769,000</u>	<u>480,000</u>	<u>1,249,000</u>

- Summary of Work: The project was established to renovate and expand existing female latrines in various readiness centers across the state. The initial group of readiness centers include North Charleston, Walterboro, Edgefield, Mt. Pleasant, Marion, Saluda, Mullins, Batesburg, Dillon, Seneca, Conway and Rock Hill. The North Charleston and Edgefield facilities have been completed. The Saluda and Rock Hill facilities are under construction. The Kingstree and Newberry facilities are under design. The funds in this request will be used for construction of Kingstree and Newberry, and for design of West Columbia. The scope of work includes renovating existing female latrine and constructing additional authorized space to include new utilities and fixtures, along with any required mechanical, electrical and plumbing work.
- Rationale: Due to the rising number of female soldier’s adequate latrine space is needed. Per NG Pam 415-12, the assigned unit(s) are authorized 2,000 square feet of latrine space. This project will allow the female soldiers to have the required number of facilities (toilets, showers, changing areas) they need to conduct training.
- Facility Characteristics: Each female latrine is 72 square feet to 339 square feet and were constructed from 1958 to 1989 (62 years to 31 years old).
- Financial Impact: The project will be funded with Appropriated State Funds (uncommitted balance \$1 million at October 2, 2020) and Federal, National Guard Bureau Funds (uncommitted balance \$16 million at October 6, 2020). Revenue to this fund is received from the Construction and Facilities Management Office’s Master Cooperative Agreement funds. The project is expected to result in an increase of \$3,000 (years 1 thru 3) in annual operating expenses.

Full Project Estimate: \$2,650,000 (internal) (for all 11 facilities) funded by Appropriated State and National Guard Bureau Funds. Contract execution is expected in December 2020 for Kingstree and Newberry with construction completion in August 2021. Contract execution for design is expected in December 2020 for West Columbia with completion in April 2021.

Establish Project for A&E Design

8. Project: Department of Mental Health
 J12.9795: CFSH Bldg. 29 Grease Trap Replacement
- Request: To establish Phase I design to replace the existing grease trap for the kitchen located at Crafts Farrow State Hospital (CFSH) Building 29.
- Included in CPIP: Yes – 2020 CPIP Priority 5 of 16 in FY21 (estimated at \$388,000)
- CHE Approval: N/A
- Supporting Details: Pages 113-126

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Other, Capital Improvement & Maintenance				5,750	5,750
All Sources				<u>5,750</u>	<u>5,750</u>

- Summary of Work: The scope of work includes removal of the existing 500-gallon tank grease interceptor and associated underground piping routed parallel to the building from interceptor to tie to existing 8” sanitary sewer line and replace with a 5,000-gallon grease interceptor.
- Rationale: Due to the volume of meals being prepared (2,550+ a day), the tank needs to be pumped out once every two weeks. The existing tank is sized for a much smaller volume of food production. Due to the volume of meals being prepared the existing system is proving insufficient and needs to be replaced.
- Facility Characteristics: Building 29 on the Crafts Farrow State Hospital campus is 50,750 square feet and was built in 1960 (60 years old). The existing grease trap is original to the building. The building houses around 91 DMH Nutritional Services, Vehicle Management and Records Management staff. The kitchen staff prepare three meals a day for over 850 clients, residents and patients.
- Financial Impact: The project will be funded from Capital Improvement & Maintenance Funds (uncommitted balance \$4.5 million at July 31, 2020). Revenue to this fund is authorized by Proviso 35.7 (Act 97 of 2017) permitting deposit of amounts appropriated for deferred maintenance and other one-time funds from any source into an interest-bearing fund held by the State Treasurer for, among other purposes and subject to required approvals, capital projects and ordinary repair and maintenance. The project is expected to result in a decrease of \$500 (year 1) and \$1,000 (years 2 and 3) in annual operating expenses.
- Full Project Estimate: \$385,000 (internal) funded by Capital Improvement & Maintenance Funds.

9. Project: Department of Mental Health
 J12.9796: Gaffney MHC Building Renovations
- Request: To establish Phase I design to repair and renovate the newly acquired building to become the new Cherokee Mental Health Center (MHC).
- Included in CPIP: Yes – 2020 CPIP Priority 4 of 16 in FY21 (estimated at \$355,000)
 CHE Approval: N/A
 Supporting Details: Pages 127-144

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Other, Capital Improvement & Maintenance				5,925	5,925
All Sources				<u>5,925</u>	<u>5,925</u>

Summary of Work: The scope of work includes dividing up the large open space into private offices, replacing the HVAC units, reconfiguring the duct work, lighting and the fire alarm to accommodate the addition of the private offices. Painting and flooring will also be refreshed/replaced, and electrical and data will be addressed. Lastly, the exterior also has a few issues to be addressed, from the roof, to landscaping, to planter retention walls.

Rationale: The agency purchased the vacant building from the Department of Employment and Workforce for \$275K, instead of constructing a new facility. The facility is located next to a high school which will allow the agency to better serve the people in the area. The repair work and renovations needed were identified during the due diligence process when the Building Condition Assessment was completed, prior to acquiring the property. The renovations needed to adapt the building to the needs of the new occupants are for confidentiality and HIPPA rules.

Facility Characteristics: The 6,435 square foot building, located at 133 Wilmac Road in Gaffney, was constructed in 1990 (30 years old). The parking area is asphalt and parks 40 cars comfortably. The facility will house programs to provide adult and childcare services, school based mental health services, and telepsychiatry. The facility will be utilized by 2-3 doctors, 3 nurses, 20 staff and will serve 800 patients a year.

Financial Impact: The project will be funded from Capital Improvement & Maintenance Funds (uncommitted balance \$4.5 million at July 31, 2020). Revenue to this fund is authorized by Proviso 35.7 (Act 97 of 2017) permitting deposit of amounts appropriated for deferred maintenance and other one-time funds from any source into an interest-bearing fund held by the State Treasurer for, among other purposes and subject to required approvals, capital projects and ordinary repair and maintenance. The project is expected to result in a decrease of 36,400 (year 1) and \$72,800 (years 2 and 3) in annual operating expenses.

Full Project Estimate: \$395,000 (internal) funded by Capital Improvement & Maintenance Funds.

10. Project: Department of Mental Health
 J12.9797: Stone Pavilion Chilled Water Line Replacement
- Request: To establish Phase I design to replace the chilled water (CW) piping from the CM Tucker Support Building Energy Center to the Stone Pavilion main mechanical room.
- Included in CPIP: None – The project was unexpected and not included in the 2020 CPIP.
 CHE Approval: N/A
 Supporting Details: Pages 145-154

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Other, Capital Improvement & Maintenance				14,250	14,250
All Sources				<u>14,250</u>	<u>14,250</u>

- Summary of Work: The scope of work includes replacement of 600+ linear feet of 8” black steel pipe for the supply and return lines. The new pipe will include a rust-inhibiting coating and/or jacket on the pipe exterior.
- Rationale: There was a pipe rupture on July 27, 2020. The pipe has been determined to be at risk due to poor water treatment. The pipe has been repaired but given the nature of the line blow out it was determined it needs to be replaced. The normal life expectancy of black steel chilled water systems is between 50 to 100 years.
- Facility Characteristics: Stone Pavilion is 45,684 square foot building and was constructed in 1971 (49 years old). The chilled water piping is original to the building. The Stone Pavilion is a long-term VA nursing care facility located on the C.M. Tucker Nursing Care Center in Columbia and houses 90 long-term nursing care military veterans along with 120 staff and support personnel.
- Financial Impact: The project will be funded from Capital Improvement & Maintenance Funds (uncommitted balance \$4.5 million at August 31, 2020). Revenue to this fund is authorized by Proviso 35.7 (Act 97 of 2017) permitting deposit of amounts appropriated for deferred maintenance and other one-time funds from any source into an interest-bearing fund held by the State Treasurer for, among other purposes and subject to required approvals, capital projects and ordinary repair and maintenance. The project is expected to result in a decrease of 36,400 (year 1) and \$72,800 (years 2 and 3) in annual operating expenses.
- Full Project Estimate: \$950,000 (internal) funded by Capital Improvement & Maintenance Funds.
- Other: There was a time where the water was not being treated properly or at all, and that has been resolved. The agency has a contract in place to ensure the water is being properly treated so corrosion of the pipes will be inhibited. DMH PPS Maintenance staff verify all chilled and hot water systems for proper chemical levels. The recent line rupture was determined to be due to more of a material defect. The concern is that there may be more defective pipe in the ground. The combination of possible defective pipe material and the time period when the chilled water was not being treated is a concern.

Establish Construction Budget

11. Project: Department of Disabilities & Special Needs
 J16.9928: Whitten Center – HVAC Replacement of VAV Terminals and EM Controls
- Request: Establish Phase II to replace the variable air volume (VAV) terminals for Whitten Center Dorm 205 HVAC system.
- Included in CPIP: Yes - 2020 CPIP Priority 1 of 3 in FY2021 (estimated at \$275,000)
 Phase I Approval: August 2020 (estimated at \$275,000)
 CHE Approval: N/A
 Supporting Details: Pages 155-166

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Excess Debt Service	4,125		4,125	270,875	275,000
All Sources	<u>4,125</u>		<u>4,125</u>	<u>270,875</u>	<u>275,000</u>

- Summary of Work: The project will connect the new VAV terminals to existing ductwork and existing piping. New control valves and VAV terminal controls are included and will connect full building HVAC system to the existing campus energy management control system. The work includes necessary ceiling work, test & balance, and other miscellaneous work associated with the HVAC system for this dormitory with medically fragile residents.
- Rationale: The existing 25-year-old HVAC system VAV Terminals are at the end of their useful life, energy inefficient, and difficult to maintain in operable condition.
- Facility Characteristics: The facility is 16,826 square feet and was constructed in 1995 (25 years old). The facility is utilized by their residential programs which include 22 stake holders plus staff.
- Financial Impact: The project will be funded from Excess Debt Service funds (uncommitted balance \$2.5 million at February 29,2020). Revenue to the fund is invested and held by the State Treasurer’s Office on behalf of SCDDSN and are comprised of revenues of the commission that exceeds the payment due or to become due during the then current fiscal year and an additional sum equal to the maximum annual debt service requirement of the obligations for a succeeding fiscal year. The project is not expected to result in any change in annual operating expenditures.
- Full Project Estimate: \$275,000 (internal) funded by Excess Debt Service Funds. Contract execution is expected in December 2020 with construction completion in October 2021.

Establish Construction Budget

12. Project: Department of Juvenile Justice
 N12.9610: New Fence Detection System
- Request: To establish Phase II to obtain a fence mounted perimeter intrusion detection system at the Broad River Road Complex (Columbia), Midlands Evaluation Center (Columbia), Coastal Evaluation Center (Ridgeview) and the Upstate Evaluation Center (Union).
- Included in CPIP: Yes – 2020 CPIP Priority 1 of 1 in FY21 (estimated at \$256,785)
 Phase I Approval: June 2020 (estimated at \$256,785) (JBRC)
 CHE Approval: N/A
 Supporting Details: Pages 167-178

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Appropriated State, FY20 Carryforward	3,852		3,852	1,496,148	1,500,000
All Sources	<u>3,852</u>		<u>3,852</u>	<u>1,496,148</u>	<u>1,500,000</u>

- Summary of Work: The scope of work will provide protection for approximately 4,000 feet of perimeter chain link fence at the Broad River Road Complex, Juvenile Detention Center and the Midlands Evaluation Center, Upstate Evaluation Center and Coastal Evaluation Center.
- Rationale: The system will increase the awareness of their frontline security in these facilities.
- Facility Characteristics: There is not a current system in place at these facilities. This will be a new system.
- Financial Impact: The project will be funded from Appropriated State, FY20 Carryforward funds (uncommitted balance \$8.7 million at September 22, 2020). The project is not expected to result in any change in annual operating expenditures.
- Full Project Estimate: \$1,500,000 (internal) funded by Appropriated State, Carryforward Funds. The estimated cost to complete the project increased from the Phase I amount due to a variety of options available in the market for a fence detection system. Additionally, the preliminary estimate did not include labor and contingency costs. Contract execution is expected in January 2021 with construction completion in January 2023.
- Other: This system will be a continuous computer monitoring system that will tie into the entire chain link of the perimeter fence. The set up allows for gate openings and general areas. Should the fence move much within an area, it would send an alarm to dispatch, who then would notify perimeter security to check the area.

Establish Construction Budget, Revise Scope & Change Project Name

13. Project: Department of Juvenile Justice
 N12.9611: Security Upgrade for Maple, Holly, Poplar and Cypress
- Request: Establish Phase II to install secure cell fronts, door controls, intercoms and central control units to the 4 newer units of the main campus.
- Included in CPIP: Yes – 2020 CPIP Priority 1 of 11 in FY22 (estimated at \$2,296,000)
 Phase I Approval: June 2020 (estimated at \$4,101,651) (JBRC/SFAA)
 CHE Approval: N/A
 Supporting Details: Pages 179-190

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Appropriated State, FY20 Carryforward	61,525		61,525	2,234,475	2,296,000
All Sources	<u>61,525</u>		<u>61,525</u>	<u>2,234,475</u>	<u>2,296,000</u>

- Summary of Work: The project will renovate four facilities to add cell fronts to a total of 120 cells, add to the camera system if necessary, and upgrade the security controls systems. The cell front addition includes the design of a detention door with hardware and a transcom screen designed to allow for transfer of sprinkler, ventilation, and lighting. Additional cameras will be provided to the existing camera system as necessary to ensure adequate sight lines following installation of the cell fronts. The security control system will receive upgraded equipment for each facility and new wiring and conduit to each new cell front. The Laurel unit is being removed from the project and will be completed in a separate project in a future year because the unit does not need the upgrades at this time because it is the most up to date of the units.
- Rationale: Currently, the youth, many of whom have traumatic pasts, are housed in open rooms with no barriers, so many youths feel less secure and have difficulty sleeping. Cell doors and other included security upgrades will provide a safer environment and allow them to focus more on their rehabilitation. Additionally, having doors will provide privacy and more safety for youth that are displaying aggressive behaviors and for those who feel unsafe in their environments.
- Facility Characteristics: The building is 94,048 square feet and was constructed in 2001 (19 years old). There are 10 youth and 2 staff who utilize the 2,300 square foot dorm impacted by the project.
- Financial Impact: The project will be funded from Appropriated State, FY20 Carryforward Funds (uncommitted balance \$8.7 million at September 22, 2020). The project is not expected to result in any change in annual operating expenditures.
- Full Project Estimate: \$2,296,000 (internal) funded by Appropriated State, Carryforward Funds. Contract execution is expected in January or February 2021 with construction completion in January or February 2022.

Establish Project for A&E Design

14. Project: Clemson University PSA
 P20.9557: Pee Dee REC – Dargan’s Pond Dam Decommissioning
- Request: To establish Phase I pre-design to decommission the dam on Dargan’s Pond at the Pee Dee Research and Education Center (REC) in Florence.
- Included in CPIP: No – The option to be used to repair the hurricane damage to the dam and the cost of that work was not determined until after the 2020 CPIP was submitted.
- CHE Approval: N/A
- Supporting Details: Pages 191-200

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Other, PSA Building Improvement				75,000	75,000
All Sources				<u>75,000</u>	<u>75,000</u>

- Summary of Work: The work includes decommissioning the dam by constructing an engineered, shallow-sloped breach and filling and stabilizing the damaged areas to re-establish the pond bank. This will ensure that future storm flows are safely passed through the area without significant erosion, flooding or ponding of water. It will also include reconstructing the service roadway to allow Pee Dee REC work vehicles and farm equipment to safely pass through the area to access several hundred acres of university property.
- Rationale: The dam was severely damaged during Hurricane Matthew in October 2016, causing the pond to partially drain and a service roadway to be washed away. DHEC, which administers the Dams and Reservoirs Safety Act, mandates that significant repairs be made to stabilize the water body and prevent the surrounding area from becoming a downstream flooding hazard. Clemson worked with numerous state and federal agencies, including DHRC, DNR, Army Corps of Engineers and FEMA, to ensure the repairs meet all state and federal regulations. DHEC gave the university options ranging from full repair to decommissioning. Further, a dam-specialist firm performed a site analysis that offered several repair options. After careful consideration, the decision was made to decommission the dam, as it is the most practical and cost-effective option to the meet the needs of this water body.
- Facility Characteristics: The dam construction preceded Clemson’s ownership of the property, but it is believed to have been constructed between 1960 to 1970 (50 to 60 years old). Dargan’s Pond was previously used for recreational fishing. The dam and access road will be used by 2 to 3 staff of the Pee Dee REC to reach the approximately 300 acres of managed forests on the other side of Dargan’s Pond for controlled burns and other maintenance as needed.
- Financial Impact: The project will be funded from PSA Building Improvement Funds (uncommitted balance \$2.4 million at September 25, 2020). Revenue to this fund is self-generated and set aside for capital projects to maintain and make improvements to PSA-owned buildings and properties. The project is not expected to result in any change in annual operating expenditures.
- Full Project Estimate: \$1,800,000 (internal) funded by PSA Building Improvement Funds, Federal FEMA Funds, and Emergency Management Division State Match Funds.

Establish Project for A&E Design

15. Project: Department of Natural Resources
 P24.6024: Charleston-Ft Johnson Central Energy Plant Protection
- Request: Establish Phase I pre-design to protect from flooding at the DNR’s Fort Johnson Central Energy Plant (CEP) located on James Island.
- Included in CPIP: Yes – 2020 CPIP Priority 6 of 15 in FY22 (estimated at \$520,000)
 CHE Approval: N/A
 Supporting Details: Pages 201-234

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Federal, FEMA Hazard Mitigation Grant Program				4,536	4,536
Other, Marine Resource – Program Income				1,512	1,512
All Sources				<u>6,048</u>	<u>6,048</u>

- Summary of Work: The project will mitigate damage from high tides caused by storm surges and other significant weather events by flood proofing the facility against water inundation. The process will also include the elevation and relocation of the emergency electrical system and installing an increased capacity sump pump in order to protect valuable research assets.
- Rationale: Located on Charleston Harbor, the facility came within three inches of flooding during Hurricane Irma and the noticeably higher king tides increases the vulnerability for flooding during hurricanes. Under the Federal Emergency Management Agency (FEMA) Hazard Mitigation Grant Program (HMGP), the DNR proposed a non-structural retrofitting of the CEP. This retrofit will add several layers of protection to the structure, allow a quicker and more cost-effective recovery from an event, and protect the \$1,500,000 in equipment inside the CEP.
- Facility Characteristics: The Central Energy Plant is 1,800 square feet and was constructed in 1975 (45 years old). 900 square feet of the facility will be affected by the project. The plant provides HVAC and emergency power to the Elzroth Administration Building and Marine Resource Research Institute (MRRI) Lab. Harbor water is also provided through this facility to the MRRI Lab for marine aquaculture and research projects.
- Financial Impact: The project will be funded from Federal FEMA Hazard Mitigation Grant Program Funds (uncommitted balance \$302K at October 6, 2020) and Other, Marine Resources – Program Income Funds (uncommitted balance \$1.6 million at September 30, 2020). Revenue received from the Hazard Mitigation Grant Program is to fund proposed projects that will reduce or eliminate long-term risk. Revenue received from the Marine Resource-Program Income is from rental of Center for Coastal Environmental Health and Biomolecular Research Building by the National Oceanic and Atmospheric Administration. The project is not expected to result in any change in annual operating expenditures.
- Full Project Estimate: \$403,155 (internal) funded by FEMA Hazard Mitigation Grant Program and Marine Resource Program Income Funds.

Establish Construction Budget

16. Project: Department of Employment and Workforce
 R60.9533: SC Works – Midlands Building – Parking Lot #1 Repaving/Overlay
- Request: Establish Phase II for the replacement of a parking lot at the Midlands SC Works Center.
- Included in CPIP: Yes – 2020 CPIP Priority 3 of 5 in FY21 (estimated at \$429,850)
 Phase I Approval: June 2020 (estimated at \$429,850) (JBRC)
 CHE Approval: N/A
 Supporting Details: Pages 235-254

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Other, Contingency Assessment	4,800		4,800	444,825	449,625
All Sources	<u>4,800</u>		<u>4,800</u>	<u>444,825</u>	<u>449,625</u>

- Summary of Work: The project includes the rehabilitation of the parking lot with an asphalt overlay, full depth repair, sidewalk repair, wheel stop installation, and pavement marking and signage.
- Rationale: The existing lot is severely weathered and fatigued. Cracks, potholes, and pavement patches are present in multiple locations. The parking lot is vital to daily operations.
- Facility Characteristics: The Midlands SC Works parking is 49,600 square feet and was constructed in 1984 (36 years old). The parking lot is original to the building and is utilized by approximately 105 staff daily.
- Financial Impact: The project will be funded from Contingency Assessment Funds (uncommitted balance \$42 million at August 31, 2020). Revenue to this account is derived from a portion of the tax collected and accounted for in the special revenue fund which is primarily used to fund administrative costs and employment services. The project is not expected to result in any change in annual operating expenditures.
- Full Project Estimate: \$449,625 (internal) funded by Contingency Assessment Funds. Contract execution is expected in March 2021 with construction completion in June 2021.

Preliminary Land Acquisition

17. Project: Department of Natural Resources
 P24.6013: Lexington-Congaree Creek Heritage Preserve Land Acquisition (CCLP)
- Request: Establish authorization to evaluate the potential acquisition of 99.56 acres of land located in western Lexington County.
- Included in CPIP: Yes – 2020 CPIP Priority 40 of 42 in FY21 (estimated at \$370,000)
 CHE Approval: N/A
 Supporting Details: Pages 255-272

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Other, Heritage Land Trust				20,000	20,000
All Sources				<u>20,000</u>	<u>20,000</u>

- Rationale: The property would expand Congaree Creek Heritage Preserve from 641 acres to approximately 741 acres and allow for greater public access in the form of walking trails and canoeing opportunities. After the land is acquired, it will be managed as part of the Congaree Creek Heritage Preserve.
- Characteristics: There are no structures located on the property. The property is located west of the DNR’s Congaree Creek Heritage Preserve and 1 mile west of the US 321 and Old Dunbar Road intersection and bounded on the north by McQueen Street, Interstate 26, and on the south by Congaree Park. The land contains mature Atlantic White Cedar.
- Financial Impact: The property is offered by Congaree Creek Land Preservation, LLC, c/o Hank Mabry of Columbia for \$348,460. The acquisition will be funded from Other, Heritage Land Trust Funds (uncommitted balance \$13.8 million at September 30, 2020). Revenue to this fund is authorized by SC Code 51-17-115 and provides for the agency to use the funds to acquire in fee simple or lesser interest in priority areas, legal fees, appraisals, surveys, or other costs involved in the acquisition of priority areas, and for the development of minimal facilities and management necessary for the protection of priority areas. If acquired, the property boundaries will be marked, and gates will be erected. If the site is suitable, an equipment shed for Congaree Creek HP may be constructed. The project is expected to result in an increase of \$1,000 (year 1) in annual operating expenses.

18. Project: Department of Natural Resources
 P24.6019: Greenville-Tall Pines WMA Land Acquisition (Naturaland)
- Request: Establish authorization to evaluate the potential acquisition of approximately 850 acres of land located in northwestern Greenville County.
- Included in CPIP: Yes – 2020 CPIP Priority 36 of 42 in FY21 (estimated at \$2,580,000)
 CHE Approval: N/A
 Supporting Details: Pages 273-286

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Other, Fish & Wildlife Protection - Timber				20,000	20,000
All Sources				<u>20,000</u>	<u>20,000</u>

Rationale: The property would expand DNR’s Tall Pines Wildlife Management Area and provide additional lands for the public to enjoy outdoor recreational opportunities, including hunting, fishing, hiking, and viewing wildlife. After acquisition, the property will be managed as part of Tall Pines WMA.

Characteristics: There are no structures located on the property. The property is located on the north and south sides of Moody Bridge Road, in Greenville County, approximately 8 miles north of Travelers Rest. It borders the east side of DNR's Tall Pines Wildlife Management Area (WMA). The site contains rolling topography with pine and hardwood uplands and bottomland riparian areas. It contains approximately two miles of frontage on the Middle Saluda River, a popular trout fishing area and four miles of associated streams. Besides providing habitat for big and small game species, the property also contains mammal, bird, reptile and amphibian species. In total, approximately 128 species listed as priorities in South Carolina's State Wildlife Action Plan likely utilize the area for a portion of their life cycles.

Financial Impact: The property is offered by Naturaland Trust of Greenville for \$2,560,000. The due diligence activities will be funded from Other, Fish & Wildlife Protection Timber Funds (uncommitted balance \$2.6 million at September 30, 2020). Revenue to this fund is derived from timber harvests on DNR lands and provides for timber revenue to be placed in the Fish and Wildlife Protection Fund. Revenue from this source must be expended by DNR for the protection, promotion, propagation, and management of freshwater fisheries and wildlife, the enforcement of related laws, the administration of the department, and the dissemination of information, facts, and findings the department considers necessary. The purchase of the property will be funded by \$1,920,000 in US Forest Service Forest Legacy Land Acquisition Grant Funds, \$320,000 in Fish & Wildlife Protection Deer License Revenue Funds, and \$320,000 in Fish and Wildlife Protection Timber Funds. The project is expected to result in an increase of \$7,000 (year 1), and \$5,000 (years 2 thru 3), in annual operating expenses.

Final Land Acquisition

19. Project: Department of Natural Resources
 P24.9997: Edgefield-Horse Creek Heritage Preserve Land Acquisition
- Request: To purchase approximately 134.77 acres of land in Aiken County.
- Included in CPIP: Yes – 2019 CPIP Priority 7 of 26 in FY20 (estimated at \$970,000)
- CHE Approval: N/A
- Supporting Details: Pages 287-310

Source of Funds	Original Budget Amount	Cumulative Changes Since Original Budget	Current Budget	Adjustment Requested	Total Budget After Current Adjustment
Other, Heritage Land Trust	20,000		20,000	840,000	860,000
All Sources	<u>20,000</u>		<u>20,000</u>	<u>840,000</u>	<u>860,000</u>

- Rationale: The acquisition would provide protection for the historically significant alkaline glaze stoneware Baynam Site. The tract also provides habitat for deer, turkey, small game, waterfowl, and many other plant and animal species.
- Characteristics: There is one 2 story single family dwelling consisting of 2,351 square feet constructed in 1990 (30 years old) located on the property. The building is a wood framed structure with a raised foundation on piers with a garage built on a concrete slab on grade. The building will be used to store equipment used on all three heritage preserves. The structure will also be used as an interpretive center for local pottery and archeology education beneficial for the Heritage Trust program and the local communities. It will take at least two years to determine how the structure can be best used and to prepare a plan for that use. The property is located in southeastern Edgefield County approximately 2.5 miles southeast of Trenton and contains the historically significant alkaline glaze stoneware Baynam Site.
- Financial Impact: The property is offered by Michael Fulford of Trenton SC for \$840,000. The acquisition will be funded from Other, Heritage Land Trust Funds (uncommitted balance \$13.8 million at September 30, 2020). Revenue to this fund is authorized by SC Code 51-17-115 and provides for the agency to use the funds to acquire in fee simple or lesser interest in priority areas, legal fees, appraisals, surveys, or other costs involved in the acquisition of priority areas, and for the development of minimal facilities and management necessary for the protection of priority areas. If acquired, the property boundaries will be marked, and gates will be erected. If the site is suitable, an equipment shed for Congaree Creek HP may be constructed. The structure will be a secured pole shed large enough to accommodate a tractor, trucks and agricultural implements used by the property managers. Some small equipment maintenance efforts will also be performed in the structure. The structure is likely to cost between \$100,000-150,000. The project is expected to result in an increase of \$7,460 (year 1), and \$4,920 (years 2 thru 3) in annual operating expenses. An appraisal was completed by Michael E. Reed in February 2020 and valued the property at \$855,000. A Phase I Environmental Site Assessment was completed by Carolina Environmental & Geological Co., LLC in April 2020 and revealed no evidence of recognized environmental conditions (RECs) in connection with the

property. A Building Condition Assessment was completed by Mr. Andrew Wicker, PE of the SC Department of Natural Resources in September 2020. Various recommendations for exterior roof, siding and structural repairs or replacements were made. On the interior recommendations for plumbing, HVAC, electrical and interior space finish, repairs or replacements were also made. Lastly, ADA related updates for both the interior and exterior were noted and recommended. Details of these findings can be found in section 5, on pages 2 through 7 of the Building Condition Assessment report. Letters of support have been received from the County of Edgefield and Edgefield County School District.

AGENCY: Joint Bond Review Committee

SUBJECT: Status Report of JBRC Broadband Oversight Subcommittee

Following recognition by the General Assembly of the importance of statewide broadband access through appropriation of \$50 million for the purpose of “Broadband Mapping and Planning, Infrastructure and Mobile Hotspots” under the provisions of Act 142 of 2020 (the “CARES Authorization Act”), and further recognizing the importance for the committee to ensure the funds authorized under the Act are expended appropriately and in a timely manner, Chairman Leatherman established the JBRC Broadband Oversight Subcommittee.

The Office of Regulatory Staff has continued its work on implementation efforts pursuant to the Act, including initiatives focused on Mobile Hotspots, Broadband Infrastructure, and Broadband Mapping.

The attached report reflects the status of these activities.

COMMITTEE ACTION:

Receive these updates as information.

ATTACHMENTS:

1. Expenditures to Date as of November 23, 2020.
2. Broadband Infrastructure Applications Funded as of November 18, 2020.
3. Status of Internet Service Provider Mapping Data Request as of November 23, 2020.



THE OFFICE OF REGULATORY STAFF

Act 142

Report Date: 11/23/2020



Max Authorized Spend \$ 50,000,000

Funds Committed - Wireless & Wired Service		
Allocation	\$	20,000,000
Wireless Service	\$	13,066,103
Wired Service	\$	743,879
Total Funds Committed	\$	13,809,981
Funds Remaining	\$	6,190,019

Funds Committed - Broadband Infrastructure & Mapping		
Allocation	\$	30,000,000
Planning	\$	6,000
Mapping	\$	299,900
Broadband Infrastructure	\$	26,434,183
Total Funds Committed	\$	26,740,083
Funds Remaining	\$	3,259,917

ORS Internal Expenses Related to Act 142		
Projected Expenses	\$	381,521

Funds to SCDOE for 6 Mo Service \$ 8,200,000

Additional Projects \$ 430,000

Total Funds Remaining \$ 438,415

Funds Expended		
Total Funds Expended	\$	9,851,764

Statistics		
Number of Participants		
Public K-12		82
Private K-12		4
Charter		3
Higher Ed Institutions		26
		<u>115</u>
Number of Hotspots / Wired Services Ordered		
Verizon		59,701
AT&T		24,476
T-Mobile		1,377
Service Only		390
Wired		6,598
		<u>92,542</u>
ORS Hours Expended		
Cumulative Hours	49	4,695



South Carolina Broadband Infrastructure Program



Broadband Infrastructure Applications Funded

(11/18/2020)

A portion of the Coronavirus Relief Fund (CRF) has been allocated for broadband infrastructure. Expansion of broadband infrastructure will emphasize services to rural communities and communities with a high prevalence of COVID-19 or with demographic characteristics consistent with risk factors for COVID-19.

Below are applications submitted to the ORS that will receive funding for the expansion of broadband infrastructure. Funding of these applications is subject to the completion of a funding agreement with the ORS and the evaluation of any duplication of infrastructure. More information can be found on the ORS website at ORS.SC.GOV/Broadband.

Applications Funded	78
Companies	14
Counties Served	27
Program Targets	57
Priority Targets	35
Funding Awarded	\$26,424,182.59

Applicant	County	Program Target Number	Priority Target Number	C.A.R.E.S. Funding Requested
Aiken Electric Coop	Aiken	8	-	\$139,655.00
Aiken Electric Coop	Aiken	-	20	\$92,091.00
Aiken Electric Coop	Aiken	16	-	\$127,606.00
Aiken Electric Coop	Orangeburg	2	-	\$151,955.00
Aiken Electric Coop				\$511,307.00
Comporium	Lancaster	1	-	\$238,056.97
Comporium	Lancaster	1	-	\$226,720.93
Comporium	Lancaster	2	-	\$570,903.62
Comporium	Lancaster	2	-	\$295,831.88
Comporium	Lexington	-	6	\$1,017,965.00
Comporium	Lexington	-	6	\$229,777.00
Comporium	Lexington	-	7	\$1,913,574.50
Comporium	Saluda	-	9	\$1,135,470.00
Comporium				\$5,628,299.90
FTC	Clarendon	-	3	\$193,175.00
FTC	Clarendon	-	4	\$99,675.00
FTC	Williamsburg	-	10	\$84,856.25

FTC				\$377,706.25
Hargray Fiber	Beaufort	-	7	\$84,441.00
Hargray Fiber	Beaufort	-	8	\$953,601.00
Hargray Fiber	Beaufort	11	-	\$50,000.00
Hargray Fiber	Beaufort	12	-	\$267,902.00
Hargray Fiber	Hampton	-	5	\$199,865.00
Hargray Fiber				\$1,555,809.00
Home Telephone	Berkeley	13	-	\$159,313.00
Home Telephone	Dorchester	8	-	\$172,319.00
Home Telephone	Dorchester	9	-	\$295,738.00
Home Telephone				\$627,370.00
Horry Telephone Coop	Georgetown	14	-	\$336,708.87
Horry Telephone Coop	Georgetown	14	-	\$355,726.35
Horry Telephone Coop	Georgetown	15	-	\$255,602.50
Horry Telephone Coop	Horry	1	-	\$147,419.00
Horry Telephone Coop	Marion	-	9	\$181,795.50
Horry Telephone Coop	Marion	-	10	\$251,728.50
Horry Telephone Coop	Marion	-	11	\$475,717.00
Horry Telephone Coop	Marion	-	11	\$400,752.00
Horry Telephone Coop	Marion	-	12	\$192,315.50
Horry Telephone Coop				\$2,597,765.22
Lynches River Elec Coop	Chesterfield	4	-	\$143,652.00
Lynches River Elec Coop	Chesterfield	5	-	\$127,921.00
Lynches River Elec Coop	Chesterfield	8	-	\$95,362.00
Lynches River Elec Coop	Chesterfield	9	-	\$130,816.00
Lynches River Elec Coop	Kershaw	2	-	\$216,330.00
Lynches River Elec Coop	Kershaw	3	-	\$41,867.00
Lynches River Elec Coop	Lancaster	6	-	\$273,117.00
Lynches River Elec Coop	Lancaster	9	-	\$261,933.00
Lynches River Elec Coop				\$1,290,998.00
Newberry Electric Coop	Newberry	*	-	\$918,000.00
Newberry Electric Coop	Newberry	-	9	\$748,326.50
Newberry Electric Coop	Newberry	-	5	\$1,014,688.54
Newberry Electric Coop	Newberry	10, 13	-	\$499,887.23
Newberry Electric Coop				\$3,180,902.27
OneTone	Oconee	7, 9, 12, 13, 15, 16, 17, 20, 21	3, 6, 10, 11, 14, 18	\$1,050,000.00
OneTone				\$1,050,000.00
Orangeburg County Broadband	Orangeburg	9, 12, 14, 17, 18	19, 24	\$300,000.00
Orangeburg County Broadband				\$300,000.00

Sandhill Telephone Coop	Marlboro	-	6	\$318,600.00
Sandhill Telephone Coop	Marlboro	-	7	\$115,800.00
Sandhill Telephone Coop	Marlboro	-	8	\$279,000.00
Sandhill Telephone Coop	Marlboro	-	9	\$240,900.00
Sandhill Telephone Coop	Marlboro	10	-	\$170,400.00
Sandhill Telephone Coop				\$1,124,700.00
Spectrum	Anderson	-	-	\$159,340.00
Spectrum	Chesterfield	11	-	\$4,661.50
Spectrum	Darlington	6	-	\$31,794.00
Spectrum	Florence	-	-	\$5,571.00
Spectrum	Greenville	-	-	\$12,811.00
Spectrum	Kershaw	10	-	\$5,443.00
Spectrum	Laurens	-	-	\$7,420.00
Spectrum	Oconee	12	-	\$160,313.50
Spectrum	Spartanburg	5	-	\$112,118.00
Spectrum				\$499,472.00
TruVista	Chester	-	3	\$455,460.50
TruVista	Chester	-	16	\$958,164.46
TruVista	Fairfield	-	9	\$1,875,761.48
TruVista	Fairfield	-	10	\$959,244.31
TruVista	Fairfield	12	-	\$86,974.55
TruVista	Fairfield	-	16	\$378,171.65
TruVista				\$4,713,776.95
WC Fiber	Anderson	-	11	\$98,675.00
WC Fiber	Anderson	10	-	\$73,938.00
WC Fiber	Anderson	10	-	\$197,188.00
WC Fiber	Anderson	10	-	\$355,605.00
WC Fiber	Greenwood	4	-	\$327,245.00
WC Fiber	Greenwood	4	-	\$385,500.00
WC Fiber	Greenwood	4	-	\$225,700.00
WC Fiber	Greenwood	2	-	\$246,015.00
WC Fiber	Greenwood	1	-	\$165,350.00
WC Fiber	Laurens	14	-	\$590,575.00
WC Fiber	Laurens	14	-	\$131,615.00
WC Fiber	Laurens	14	-	\$168,670.00
WC Fiber				\$2,966,076.00
TOTAL FUNDING		57	35	\$26,424,182.59

No Response to email or voicemail yet		Resident Connections
Birch Communications, Inc.	Birch Communications, Inc.	
Global Vision	Dfjb, LLC	

Data Received		
APX Net, Inc	APX Net, Inc.	
AT&T Corp, Inc.	AT&T Corp.	
AT&T Mobility	AT&T Corp.	
AT&T Services, Inc.	AT&T Inc.	
Atlantic Broadband (SC), LLC	Atlantic Broadband (SC), LLC	
Acquisitions Cogeco Cable Holdings II Inc.	Atlantic Broadband Finance, LLC	
Atlantic Broadband Enterprise, LLC	Atlantic Broadband Finance, LLC	
ATG Communications	ATG Communications, LLC	
Bullseye Telecom, Inc.	BullsEye Telecom, Inc.	
CenturyLink Communications, LLC	CenturyLink, Inc.	
CenturyLink, Inc.	CenturyLink, Inc.	
Level 3 Communications, LLC	CenturyLink, Inc.	
Charter Communications, Inc.	Charter Communications	No address details
Chester Telephone Company	Chester Telephone Company	
Fairfield Communications, Inc.	Chester Telephone Company	
Comcast Cable Communications, LLC	Comcast Corporation	No address details
Comporium, Inc.	Comporium, Inc.	
Fort Mill Telephone Company	Comporium, Inc.	
Lancaster Telephone Company	Comporium, Inc.	
PBT Telecom, Inc.	Comporium, Inc.	
County of Orangeburg	County of Orangeburg	
Crown Castle Fiber LLC	Crown Castle Operating Company	ready to upload
HNS License Sub, LLC	dishNET Holding, LLC	Sent generic statement, no address details
Farmers Telephone Cooperative, Inc.	Farmers Telephone Cooperative, Inc. (SC)	
FTC Diversified Services, LLC	Farmers Telephone Cooperative, Inc. (SC)	
Fiberlink Telecommunications	Fiber Telecommunications, LLC	
Frontier Communications Corporation	Frontier Communications Corporation	
Granite Telecommunications LLC	Granite Telecommunications LLC	
Hargray of Georgia, Inc.	Hargray Communications Group, Inc.	No address details

Hargray Telephone Co., Inc.	Hargray Communications Group, Inc.	No address details
Home Telephone ILEC, LLC d/b/a Home Telecom	Home Telephone Company, Inc. (SC)	
Horry Telephone Cooperative, Inc	Horry Telephone Cooperative, Inc.	
Southern Coastal Cable, LLC	Southern Coastal Cable, LLC (HTC)	
Hotwire Communications, Ltd.	Hotwire Communications, Ltd.	
Northland Cable Television, Inc.	Northland Communications Corp.	
NTInet, inc	NTInet Inc.	
OneTone Telecom, Inc.	OneTone Telecom, Inc.	
Palmetto Rural Telephone Cooperative Inc	Palmetto Rural Telephone Cooperative, Inc.	
Palmetto Telephone Communications, LLC	Palmetto Rural Telephone Cooperative, Inc.	
Piedmont Rural Telephone Cooperative Inc	Piedmont Rural Telephone Cooperative, Inc.	
PRTCommunications, LLC	Piedmont Rural Telephone Cooperative, Inc.	
Sandhill Connexions, LLC	Sandhill Telephone Cooperative, Inc.	
Sandhill Telephone Coop., Inc.	Sandhill Telephone Cooperative, Inc.	
SCANA Communications, Inc.	SEGRA	
SEGRA	SEGRA	
Chesnee Telephone Company, Inc. d/b/a Chesnee Communications	Skyline Telephone Membership Corporation	
U.S. Cellular	Telephone and Data Systems	
TDS Telecommunications Corporation	Telephone and Data Systems, Inc.	
ViaSat, Inc.	ViaSat, Inc.	Sent in a file of counties served with speeds, but is unable to provide addresses without paying their vendor thousands of dollars. No address details
West Carolina Rural Telephone Cooperative, Inc.	West Carolina Rural Telephone Cooperative, Inc.	
Knology of Alabama, Inc.	WideOpenWest Finance, LLC	
Broadview Networks Holdings, Inc.	Windstream Holdings, Inc.	
Business Only Broadband	Windstream Holdings, Inc.	
EarthLink Business, LLC	Windstream Holdings, Inc.	
McLeod USA Telecommunications Services, L.L.C.	Windstream Holdings, Inc.	
NuVox, Inc.	Windstream Holdings, Inc.	
US LEC LLC	Windstream Holdings, Inc.	
Windstream South Carolina, LLC	Windstream Holdings, Inc.	

Allstream	Zayo Canada Inc.	
Allstream Business US, Inc.	Zayo Group, LLC	
Zayo Group, LLC	Zayo Group, LLC	

No Service in SC	
AeroNet Wireless Broadband, LLC	AeroNet Wireless Broadband, LLC
Asset Black, LLC	Asset Black, LLC
At-Net Services, Inc.	At-Net Services, Inc.
Bizvox Communications	Bizvox Communications, Inc
California Internet, L.P. DBA GeoLinks	California Internet
Celito Communications, Inc.	Celito Communicati+B2:B18ons, Inc.
Cincinnati Bell Any Distance Inc.	Cincinnati Bell Inc.
Gtek Communications	Gtek Communications
IPacket Networks, LLC	IPacket Networks, LLC
One Ring Networks, Inc.	One Ring Networks, Inc.
Socket Telecom	Socket Telecom, LLC
Southern Linc	Southern Communications Services, Inc.
Spectrotel, Inc.	Spectrotel, Inc.
TailWind Voice & Data, Inc.	Tailwind Voice & Data, Inc.
Telecomp Computer Services, Inc.	Telecomp Computer Services, Inc.
Tower Cloud, Inc	Uniti Group Inc.
MCI Communications Corporation	Verizon Communications Inc.
Wisper ISP, LLC	Wisper ISP, LLC.

AGENCY: Joint Bond Review Committee

SUBJECT: Report of State Transportation Infrastructure Bank Funding Policy Subcommittee

At its meeting on August 11, 2020, the Committee heard expressions by members concerning the effect of the SC Transportation Infrastructure Bank's project selection and weighting criteria on applications for funding made by rural counties. In response to those concerns, Chairman Leatherman established the State Transportation Infrastructure Bank Funding Policy Subcommittee, and appointed as members:

Senator Campbell, Co-Chair
Senator Reese

Representative Cobb-Hunter, Co-Chair
Representative Simrill

The subcommittee's charge is to evaluate the bank's selection process with a view toward ensuring equitable consideration and awards for project proposals made by rural versus metropolitan counties; to evaluate the bank's expectations for financial capacity to support future projects; to propose legislation as appropriate and necessary to support any subcommittee recommendations; and to provide periodic updates and a final report to the full committee as soon as is reasonably practicable.

The subcommittee made an information request to the South Carolina Transportation Infrastructure Bank on September 11, 2020, and received the Bank's response on October 9, 2020. Additionally, the subcommittee heard presentations by the Bank and the South Carolina Department of Transportation on October 14, 2020, and heard presentations by the South Carolina Department of Commerce, the Municipal Association of South Carolina, and the South Carolina Association of Counties on October 28, 2020.

The subcommittee has received recommendations and summarized its findings, which will be provided to the committee for its information, review, and comment, as appropriate.

COMMITTEE ACTION:

Receive information from the subcommittee and provide comment, as appropriate.

ATTACHMENTS:

None.

AGENCY: South Carolina Department of Health and Environmental Control
Medical University of South Carolina

SUBJECT: COVID-19 Allocations, Expenditures and Status
Pursuant to Act 135 of 2020

Responsive to the provisions of Act 135 of 2020 and expressions of interest by the committee in prior meetings, the South Carolina Department of Health and Environmental Control and the Medical University of South Carolina have submitted updated comprehensive reports incorporating the status of testing, collaboration, contact tracing and other topics of member interest, along with updated actual and projected expenditures made in connection with the COVID-19 pandemic response.

Representatives of the Department and the Medical University will be available to respond to member questions.

COMMITTEE ACTION:

Review and comment in accordance with the provisions of Act 135 of 2020.

ATTACHMENTS:

1. Report of the South Carolina Department of Health and Environmental Control dated November 9, 2020.
2. Report of the Medical University of South Carolina dated November 18, 2020.



Update to the South Carolina Joint Bond Review Committee

November 9, 2020

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Update to the Joint Bond Review Committee

November 9, 2020

The global COVID-19 pandemic has placed unprecedented public health challenges on our state and its communities. The South Carolina Department of Health and Environmental Control (DHEC) remains committed to protecting the health and safety of all South Carolinians as we continue to respond to this public health threat.

DHEC developed the following to provide an overview and update on South Carolina's ongoing response efforts, including testing, tracing, projected expenditures, and other related priorities.

THE STATE OF TESTING IN SOUTH CAROLINA

The Medical University of South Carolina (MUSC) is the lead for the state's testing plan. MUSC, DHEC and our community partners continue to enhance testing statewide, especially in rural and underserved communities with limited access to care. For the months of May and June, we exceeded the initial federal baseline goal of testing **2% of the population**, or 110,000 South Carolinians. In July, testing exceeded **5% of the population**. The state has since been working to enhance access to testing.

This expansive testing allows us to better understand the overall prevalence of the virus in our state and helps us quickly determine any hot spots. In May, MUSC, in collaboration with DHEC and the South Carolina Hospital Association (SCHA), developed [South Carolina's testing plan](#) in coordination with federal partners. DHEC has since developed priorities within the plan in accordance with guidance from the Centers for Disease Control and Prevention (CDC) and Centers for Medicare and Medicaid Services (CMS).

As of November 9, 2020, a total of **2,208,233 tests** have been conducted in the state. DHEC's Public Health Laboratory (PHL) is operating extended hours and is testing specimens seven days a week. PHL's current timeframe for providing results to health care providers is 24-48 hours. PHL is currently procuring the necessary laboratory specimens to validate saliva testing in-house.

As part of our ongoing efforts to increase testing in underserved and rural communities across the state, DHEC continues to work with hospitals, Federally Qualified Health Centers (FQHCs) and other community partners to set up mobile testing clinics that bring testing to these communities.

TESTING BY THE NUMBERS

As of November 9, 2020, South Carolina has:

- Performed **2,208,233 tests** (includes molecular, serology, or antigen)
- Conducted universal testing of all **40,000 residents and staff** in the state's **more than 190 nursing homes**.
- Held **1,991 mobile testing events**, including 682 DHEC events.
- Scheduled **94 mobile testing events** through December 23, including 43 DHEC events.
- Activated **350 standing testing sites** throughout the state, including 84 DHEC sites.

Individuals tested by month (molecular, serology or antigen):

- March 2020 (11,475)
- April 2020 (41,119)
- May 2020 (128,274)
- June 2020 (190,140)
- July 2020 (272,540)
- August 2020 (195,821)
- September 2020 (215,652)
- October 2020 (252,179)
- November 2020 (73,533) as of Nov 9

A COLLABORATIVE APPROACH TO TESTING

DHEC and MUSC are both actively engaged in continued collaboration through weekly meetings related to testing and future testing goals. Once a week, the Central Coordination Testing Team meets to discuss testing plans moving forward. This team consists of DHEC, MUSC, SCHA, SC National Guard, SC Department of Education, SC Office of Rural Health, and other hospital systems.

DHEC'S ROLE

As part of the state's coordinated testing efforts, and in alignment with the Continuing Resolution signed into law on May 18, 2020 DHEC is charged with the financial, logistical, and administrative support for the state COVID-19-testing plan. This includes:

- **Regular communication** with MUSC and SCHA,
- **Collaboration** with local partners (hospitals, medical providers, local community leaders, other stakeholders),
- **Access** to hotspot and testing sites/density data,
- **Coordination** of all testing efforts, and
- **Providing** needed resources, testing kits, and other supplies.

TESTING CHALLENGES AND PROCESS IMPROVEMENT

As South Carolina continues to expand access to testing, it will remain critical that DHEC and our partners have plans in place to help address current and potential future challenges to our ability to perform testing.

Current identified challenges to testing include:

- Access to adequate supplies of personal protective equipment (PPE)
- Inconsistencies in supply chain for necessary testing supplies
- Staff exposure to hot or cold temperatures during testing events
- Limits on availability of qualified staffing
- Identification and availability of suitable venues (traffic, space, shelter, etc.)
- Responding to local needs/hotspots while ensuring access to testing across the state
- Coordinating testing in residential care facilities

DHEC is committed to working with MUSC and other community partners to address these and future challenges head on.

DEMAND

With our partners, DHEC has systematically increased access to testing across the state. DHEC has expanded its multi-platform media campaign to increase public awareness of testing sites and the continued need to “know your status.” These efforts include:

- Social media
- Expanded billboard coverage
- Reverse 911 text messages
- Television and radio advertisements
- Leaflets and flyers
- Gas station PSAs

PERSONAL PROTECTIVE EQUIPMENT

PPE can still be a challenge for testing partners to obtain. Size small and extra-large gloves, gowns, and N-95 masks are once again becoming more difficult to locate. Challenges include vendors still wishing to sell in large quantities (over 100,000 units), which can make it difficult for smaller medical providers to find supplies.

SUITABLE VENUES

DHEC continues to work with county Emergency Managers and the National Guard to identify sites that are safe and suitable for testing venues. These partners are coordinating with local municipalities and governments to identify sites that provide the most ideal locations for mass testing.

DHEC is also expanding static testing sites to include available testing in every DHEC health department that offers clinical services. This will add at least one static testing site in almost every county.

RESPONDING TO LOCAL NEEDS/HOTSPOTS WHILE ENSURING ACCESS TO TESTING

While the new testing plan will ensure every county in the state is tested at least once a week, DHEC has developed an intelligence branch, which provides guidance on hotspots and the need for testing based on upon positive testing data. Once a hotspot has been identified, DHEC will activate the National Guard Rapid Response Team, which can go in and test a community quickly. The National Guard Rapid Response Team will be deployed every Friday, moving forward. DHEC has its own rapid response teams that deploy to facilities, including nursing homes, when clusters of cases are detected.

TESTING IN RESIDENTIAL CARE FACILITIES

On Friday, July 24, DHEC released our new Long-Term Care Facility (LTCF) Guidance document outlining testing and retesting recommendations for all LTCFs, including nursing homes, community residential care facilities (assisted living facilities), and other long-term care congregate settings. This guidance was shared with all LTCF associations in the state and facilities. The guidance recommends that LTCFs conduct testing for COVID-19 to detect current infections among residents and staff as an important addition to infection prevention and control measures, allowing for rapid detection of cases and implementation of measures to prevent ongoing transmission within facilities. Because there are various scenarios in which viral testing of residents and staff may be initiated, the guidance provides current recommendations to guide considerations for initial and repeat testing in LTCFs. In addition to sharing the guidance with the associations and facilities, DHEC staff is offering a webinar for facilities in case they have any further needs or need clarification on guidance and recommendations.

Despite this guidance, outbreaks continue to occur in LTCFs. CMS has issued a rule requiring mandatory testing of staff at a frequency dependent on disease transmission in the county. To support this testing, CMS will be providing point-of-care (POC) antigen testing devices to all nursing homes with a CLIA waiver. In addition, DHEC will direct facilities to available resources to assist with use of these new devices and guide those without appropriate CLIA certification through the process so they can receive their POC devices. These testing initiatives will hopefully decrease outbreaks occurring in these facilities, preventing illness and death among the people who live in them. If there are cases of COVID-19 reported, DHEC will work with facilities to assure universal testing of residents and staff to identify all those infected and separate them from those that are well.

HOSPITAL REIMBURSEMENT FOR TESTING

Per requirements in the Continuing Resolution, DHEC allocated **\$40 million** to **51 hospital systems** representing **94 facilities** across the state for testing events occurring on or after **June 1, 2020**. An additional **\$10 million** was set-aside for reimbursement for events occurring prior to June 1.

To establish accountability, hospital systems are required to enter into a contractual agreement outlining mutual responsibilities and requirements, as well as a pre-established reimbursement rate for hosting and staffing testing events. Once the agreements are signed, hospitals submit an

invoice for each testing event. Hospitals must attest with each invoice that no other funds are available or will be sought for reimbursement of the same expenses.

DHEC believes that hospital funding is helping the citizens in their regions. Hospitals with DHEC agreements are offering testing events in their areas, and many are now working to establish semi-permanent sites, making testing on a local level more convenient and accessible.

DHEC will continue to work with hospitals to establish community testing events in support of the statewide testing plan and provide reimbursement. Hospitals that use their initial allocation may ask for an increase in their allocated amount.

DHEC extended the deadline for hospital agreements and communicated this information on multiple occasions with CEOs as well as through SCHA. **19 systems** representing **48 facilities** established agreements. This represents **51% of facilities**.

To date, DHEC has approved invoices totaling **\$4.3M** for payment. Additional invoices are currently being reviewed for accuracy and will be disbursed once through the approval process. Overall processing time for paid hospital invoices from date of receipt to date authorized to pay is **9.35 calendar days**. Processing took place as the fiscal year was changing, which caused a delay.

NEXT STEPS FOR TESTING

As we increase our testing capacity, we must also enhance our ability to provide those being tested with timely test results and information. By continuing to support process improvements, like the ones listed above, DHEC and our partners are focused on ensuring the confirmation of contact information of those being tested. To assist in this effort, DHEC now uses Microsoft's Dynamics Testing and Registration Application (DTRA), a digital registration platform that also provides test results to individuals quickly via email.

Moving forward, for all coordinated sites, we will be working to provide additional testing events.

- **Our goal: 12 sites** per day, with at least one testing opportunity per county each week.

We will also be adding more specimen collectors and expanding our laboratory capacity.

Recent efforts to enhancing testing:

- Rolling out a new initiative aimed at ensuring each county has at **least one** no-cost community-based testing event per week. Larger counties will have **2 or 3 events** per week.
- Providing testing **7 days a week** in large metropolitan areas.
- Increasing the average number of daily testing opportunities from **7.7 events a day** to **12 events a day**.
- Contracting with **4 additional labs**, bringing our total lab capacity to **8,800 tests a day**. As part of the agreed upon contracts, each contractor must process specimens and provide results within **48 hours of receipt**.
- Partnering with the Kershaw County School District for a staff surveillance testing pilot to provide weekly antigen testing of **820 teachers** and **813 staff**, including bus drivers.

SALIVA TESTING

DHEC is actively working with our partners to explore opportunities to use saliva as an alternative to the current nasal or throat swabs as specimens for polymerase chain reaction (PCR) testing. This includes identifying private laboratories with the capability to quickly increase capacity when available. To prepare for the roll out of saliva-based testing in South Carolina, several challenges must be considered, including the cost of transferring machines and validation of testing in private laboratories, reliance on private laboratories to transfer to saliva testing, and the transition period for preparing to conduct PCR testing for both saliva and swab specimens.

In addition, DHEC is working closely with the University of South Carolina (UofSC) and Clemson University to expand their capacity for saliva testing.

To further increase the state's capacity for saliva-based testing, DHEC is currently systematically consulting with various other private laboratories on their capabilities and capacities. Laboratories in South Carolina and across the nation are currently in differing stages of readiness to provide this kind of testing and analysis. Only laboratories that currently do PCR testing would be able to use these saliva samples. In South Carolina, there are presently five private laboratories that have this ability. MUSC and Precision Genetics are both working on validation of saliva testing using a commercial collection device.

DHEC is actively pursuing contracts with laboratories that can provide saliva testing so that it can become more available in South Carolina. As part of this process, the vendor will provide setup/tear down, staffing for saliva testing, and resulting of tests to patients. This includes:

- Working with one of our turn-key vendors who has saliva testing capabilities.
- Opening solicitation for turn-key vendors that can provide saliva testing.
- Amending a current contract with an existing lab who can provide saliva testing.
- Entering an emergency purchase order with a lab that has capacity for saliva testing.

In addition, DHEC's PHL submitted the required paperwork for authorization to perform saliva testing under the Yale EUA umbrella. The Yale process was selected because it has received emergency use authorization by the Food and Drug Administration and is considered open source. This will provide the agency with all the documentation needed, including protocols. PHL is also developing a validation plan per the Centers for Medicare & Medicaid Services requirements and purchasing any supplies per protocol that are not already available in the laboratory. PHL is also working to train a group of technologists to do saliva testing in order to test both saliva and swab specimens moving forward.

PREVALENCE STUDY

DHEC and UofSC are working with Clemson, Prisma, MUSC, HSSC, SCPHA, SC Office of Rural Health (ORH) and other community partners to support a prevalence project. As part of the initiative, we plan to test a randomized sampling of **6,500 South Carolinians every three months for one year by PCR and serology** to evaluate cross-sectional state seasonal incidence and seroprevalence, and to assess representative immunity.

Participants will be selected using a WHO Modified EPI Cluster sampling and over representation of marginalized neighborhoods to participate through confidential home mailing, follow-up phone calls and house visits. Participants will be able to participate in several ways. First, in partnership with the SC ORH and the SC Primary Health Care Association appointments

will be made available for testing at participating Rural Health Clinics and Federally Qualified Community Health Centers. Second, we will partner with community stakeholder location testing and third hold targeted testing events for marginalized populations. **At each appointment, participants will consent to a nasopharyngeal (NP) swab for PCR testing and provide a blood sample for antibody testing. Providers will have the option to perform an oropharyngeal (throat) swab and a capillary draw (finger stick for blood) on individuals under 18 years of age.**

Test results will be shared with participants by the testing provider within a reasonable time frame and encourage the participants to consult their primary care physician for any personal clinical concerns. The study is currently planned to begin sample collection mid-October.

DHEC'S PUBLIC HEALTH LABORATORY CAPACITY

In the beginning of the pandemic, DHEC's PHL could test **500 specimens a day**. By early June 2020, DHEC had increased its capacity to approximately **2,000 specimens a day** by implementing a number of actions. Some of these actions included:

- Keeping the lab open seven days a week.
- Expanding staff hours.
- Bringing in additional equipment and machines.
- Using staff from other areas, and repurposing equipment by reprogramming it for the COVID-19 response.
- Switching testing methodology to a multiplex PCR, which shortened the time to perform a test thus decreasing turnaround time.

As of November 9, 2020, the lab has conducted **375,499 tests**. This represents **19.0% of all COVID-19 diagnostic testing**.

NEXT STEPS FOR LABORATORIES

DHEC has signed purchase orders with **four additional laboratories** including: Luxor Scientific, MAKO, Phi Life Sciences, and Precision Genetics, bringing DHEC's total combined daily capacity to approximately **8,800 specimens per day**. To partner with DHEC, laboratories must report to DHEC using an electronic lab reporting system and agree to return test results in **48 hours or less**.

As saliva testing opportunities are developed at UofSC and Clemson, DHEC is exploring opportunities to contract with these university laboratories to diversify our testing portfolio, expand the opportunities for testing in the community, and increase our overall testing capacity. In addition, several opportunities for point of care (POC) antigen testing are emerging which will greatly increase testing capacity and significantly decrease the cost per test. Saliva testing will also decrease the need for PPE and eliminate the need for trained medical staff who are needed to collect nasal or throat swabs.

There remains unused capacity with certain private laboratories, including hospital laboratories. Identified challenges include:

- Supply disruptions/shortages
- Delays at some private laboratories

- Electronic interfaces

If all the state laboratories ran at full capacity, it would bring the state’s total testing capacity to approximately **20,000 tests per day**. These numbers do not include large commercial laboratories such as LabCorp and Quest.

THE STATE OF CONTACT TRACING IN SOUTH CAROLINA

Case investigation and contact tracing aren’t new to DHEC. During normal operations, we have **approximately 20 case investigators/contact tracers** who perform this methodology to help limit the spread of diseases like tuberculosis and hepatitis. Our infectious disease experts investigate hundreds of disease outbreaks each year.

The mission of case investigators is to contact every person with a positive test result to assess them for symptoms, provide education including the need to isolate from others, and work with them to help them recall everyone with whom they have had close, prolonged contact during the time they were contagious.. These people who have potentially been exposed to the ill person are known as contacts. The mission of contact tracing is to ensure that people who are exposed to a contagious person are provided education regarding the recommended next steps, including quarantine and testing. Without contact tracing, there is significant risk of the uncontrolled spread of any infectious disease. In contact tracing, our public health staff work with people who have tested positive for an infectious disease.

DHEC has been conducting contact tracing for COVID-19 cases since the first reports in the state. Contact tracing consists of case investigators and contact monitors. We currently have over **625 members performing contact tracing** (449 case investigators and 176 contact monitors) working across the state with **424 more contact monitors trained**. An additional 186 staff members have been trained in case investigation and can be tapped if needed. Each contact monitor can reach up to 40 contacts per day. Each case investigator can conduct 7-10 case investigations per day.

There are currently two on-line trainings, both from professional public health institutions:

- Johns Hopkins School of Public Health
- The Association of State and Territorial Health Officials.

Both organizations are not-for-profit and are offering the trainings at no charge during this public health emergency. DHEC also worked with South Carolina Area Health Education Consortium (AHEC) to ensure that the training is custom-tailored for use in South Carolina.

CONTACT TRACING CHALLENGES AND PROCESS IMPROVEMENTS

DHEC is staffed to reach out to each case within 24 hours of receiving their positive test result to counsel them about prevention measures they should take and learn who they may have had close contact with. Demand for contact tracing is directly related to the number of positive test results. For example, if we report 1,000 cases in a day and each case has 3 contacts, that means attempting to contact 4,000 people for that day. Our contact monitors have been able to meet this demand. A significant challenge has been the high rates of cases and contacts who have either not answered the phone or who have refused to engage in a conversation with our case investigators or contact monitors. We have provided media messaging, urging South Carolinians to “answer the call!”

ADDITIONAL CHALLENGES AND PRIORITIES

In addition to the overarching themes listed above, the following includes updates on several topics and areas of interest presented by the committee, nursing home visitations, and public information access and engagement.

PERSONAL PROTECTIVE EQUIPMENT

South Carolina received its PPE from the Strategic National Stockpile (SNS) based on the 2010 Census. DHEC requested the state's maximum allocation of PPE from the SNS. PPE was distributed to all 46 counties. The SNS allocation was inadequate to meet demand for PPE. Many SNS supplies had expired (lower level of protection). There was an insufficient supply of PPE nationwide early in the pandemic. Many businesses took advantage of the pandemic and were selling counterfeit products. Vendors required purchases in very large quantities, making it difficult for smaller healthcare providers to obtain PPE.

Approximately **853,000 N-95 masks** along with gloves, face shields, gowns, surgical facemasks, coveralls and other PPE supplies were provided to EMD for distribution to meet critical resource needs across the state. PPE has been provided for many community testing events.

NURSING HOME VISITATION

The Governor's Executive Order restricting visitation to nursing homes and assisted living facilities on March 13, 2020 helped save lives among one of our state's most vulnerable populations. Recognizing that isolation can have serious effects on and impact the health and well-being of residents in these facilities and their loved ones and knowing current data indicate that risk of transmission in outdoor settings is lower compared to indoor settings, DHEC released guidelines for limited outdoor visitation in these facilities on September 1, 2020. A link to the latest DHEC guidance regarding limited outdoor visitation at nursing homes and assisted living facilities can be found [here](#). The visitation guidelines incorporate the most recent [CMS guidance for reopening nursing homes](#), [CDC guidance for COVID-19 in nursing homes](#), [CMS long-term care facility testing requirements](#), and other states' plans.

The criteria for a facility to allow visitation depends on multiple factors, including but not limited to the following:

- Existing or recent cases of the virus within the facility
- Staffing capabilities and PPE availability of the facility
- The facility's ability to comply with CMS testing requirements.

In addition, CMS has made funding available to nursing homes via its Civil Monetary Penalty (CMP) Reinvestment program. Nursing homes can request up to \$3,000 in CMP funds to purchase assistive communication technology such as I-pads, tablets, webcams and accessories so that residents can remain in communication with their families. The application for CMP Grants is available on DHEC's website [here](#). As of September 15, 2020, 129 nursing homes in the state have been approved for the grant funding.

ENGAGING COMMUNITY RESOURCES

We continue to learn more about COVID-19 as this outbreak progresses. One of the key things discovered early and confirmed over time is that older adults and people who have serious

underlying medical conditions, such as heart disease and diabetes, are at a higher risk of severe illness from this virus.

Local and national data also show that African Americans are disproportionately impacted by this disease. African Americans make up about **27%** of South Carolina's population and they comprise **24.5% of COVID-19 cases**; however, they account for **33.1% of COVID-19 related deaths**. At the core of this problem is the fact African Americans are disproportionately affected by conditions such as cardiovascular disease, diabetes, asthma, and obesity and are more likely to encounter circumstances that limit adequate access to care. People with such health conditions and limited access to care are at higher risk of severe illness from COVID-19. Meanwhile, approximately **86.9% of all those who have died** from the disease have been 61 or older.

Intense outreach and prevention efforts are needed to help control spread in our communities. To do this will require strong data intelligence to help us successfully collect and understand data points needed to support data-driven decision making at the state and community levels. This includes analyzing and publishing data that highlights communities at greater risk of developing serious complication from COVID-19.

As we move forward in this event response, we recognize the importance of sharing quality data with and engaging our community partners so that we are better able to prepare for and respond to current and potential challenges.

In an effort to reach the different communities at higher risk of having severe illness from the disease we are working with our state and local partners, both public and private. This includes:

- Elevating and reviving our Office of Multicultural Health to the Office of Diversity, Equity and Inclusion
- Connecting with partners through existing work with the State Health Improvement Plan including focused linkages around the priorities of behavioral health, chronic health conditions, access to healthcare, resilient children, and social determinants
- Working with churches and Native American tribal communities to help communicate prevention messaging and provide masks
- Taking our WIC services 100 percent over the phone – since March there have been more than 6,364 new enrollments
- Expanding options in a variety of food categories to address WIC product shortages
- Working with Environmental Justice advocates to raise awareness
- Increasing availability of public health data to help provide information to assist in decision making, including demographics
- Providing sneeze guards to restaurants and DMVs
- Conducting universal testing for staff and residents at all 194 nursing homes in the state
- Working with community partners to develop and deploy an enhanced testing strategy
- Working with universities and colleges to enhance outreach to youth and young adults
- Developing [communications and outreach toolkits](#) to amplify community driven messaging

In addition, DHEC continues to work with its partners, public and private, to educate health care providers, the public and news media through personal contact, interviews, public service announcements (PSAs), advertisement, billboards and updated information on the agency's website, blog and social media (Twitter and Facebook are used heavily). In addition, the agency is leveraging alternative marketing strategies, including digital advertisements (i.e. website banners and social media advertisement) as well as advertisement placements in pharmacies, gas stations, and grocery store parking lots. The DHEC Care Line (1-855-472-3432) also remains open to receive calls from the public for general information related to COVID-19.

COVID-19 VACCINE DISTRIBUTION PLANNING EFFORTS

On Oct. 16, DHEC submitted to the CDC our state's COVID-19 Vaccination Plan. DHEC worked to develop the plan, which was reviewed by and received feedback from the S.C. Emergency Management Division, S.C. Hospital Association, National Guard, S.C. State Law Enforcement Division, S.C. Department of Labor, Licensing and Regulation, and other public and private sector partners. The overarching goal of this vaccination plan is the equitable distribution of the vaccine across the state, based on the most current federal guidance and recommendations.

It's important to note that safety remains our top priority in any vaccine development and no vaccine will be released until it has undergone the rigorous scientific and clinical testing that's required as part of all vaccine development. During the initial stages of the national COVID-19 Vaccination Program, we recognize that there will be a limited supply of the vaccine. That limited supply will be made available to certain identified groups, such as front-line medical workers and nursing home residents.

We continue to work with our partners to prepare for the arrival of a vaccine. In addition to logistics and operations support, community outreach and education will play a critical role in the rollout of the vaccine in South Carolina. The COVID-19 vaccine supply is expected to increase substantially and be more widely available to the public during 2021.

On Oct. 16, our agency's vaccine webpage for the general public, including FAQs, went live and we'll be launching a webpage for providers soon.

DHEC COVID-19 EXPENDITURE SNAPSHOT AS OF NOVEMBER 9, 2020

As of November 9, 2020, DHEC has spent a total of \$65,932,028 from COVID-19 funding in response to the pandemic. In addition, DHEC estimates an additional \$27 million in costs associated with personnel who have been redirected to respond to the pandemic and are funded from other funds that allow COVID-19 activities.

Expenditure Category	Expended through 11/9/20*	Estimated** Additional Expenditures through 12/31/20	Total Estimated Expenditures through 12/31/20
Testing	\$26,890,512	\$241,561,042	\$268,451,554
Contact Tracing	\$3,205,457	\$12,658,543	\$15,864,000
Personal Protective Equipment (PPE) & Medical Supplies	\$11,488,007	\$2,317,462	\$13,805,469
Personnel	\$15,991,847	\$20,221,681	\$36,213,528
Education Campaign	\$2,877,281	\$7,164,897	\$10,042,178
Quarantine	\$57,446	\$759,385	\$816,831
Transport & Storage	\$1,668,170	\$60,893	\$1,729,063
Vaccines	\$6,062	\$822,130	\$828,192
Technology, Staff Support, Cleanin	\$3,747,246	\$5,064,114	\$8,811,360
TOTAL	\$65,932,028	\$290,630,147	\$356,562,175

**Reflects actual expenditures on all designated COVID-19 funds through date listed. These are initial reporting numbers and are subject to change until the fiscal year has been finalized.*

***Includes current obligations associated with personnel and existing purchase orders, as well as projected additional costs for the time period. Projected costs reflect preliminary estimates for response activities through the end of the calendar year for current disease levels. Projections are subject to change as our response efforts adjust to the developing situation.*

WHAT IS THE OUTLOOK FOR SUFFICIENCY OF FUNDING?

DHEC anticipates the need for additional funding to meet testing and contact tracing needs for COVID-19 after December 2020. We are actively evaluating our cost projections given the increased demand for services, available Federal resources, and the length of the pandemic response. Our current estimate of the highest potential expenditures through the end of the calendar year are included below. These estimates are on the high end of our projected range of costs and assume a high number of tests. A portion of these costs will be covered by appropriated CARES Act and other Federal funding. Response to COVID-19 is a rapidly evolving event. All projections are based on data available at the time of this report and are subject to change.

TESTING

Category	Spent as of 11/09/2020	Estimated Potential Expenditures through 12/31/2020*	Total Potential Expenditures through 12/31/2020*
Testing (excluding DHEC staff costs)	\$26,890,512	\$241,561,042	\$268,451,554

* Response to COVID-19 is a rapidly evolving event. All projections are based on data available at the time of this report and are subject to change.

KEY PERFORMANCE DATA

- As of November 9, 2020: 2,208,233 COVID-19 tests have been conducted in SC. Samples are collected through private medical providers, static testing sites and community testing events utilizing both the DHEC lab and private labs for analyzing samples. To date, 19.0% of all molecular/diagnostic tests have been analyzed by the DHEC lab.
- As of November 9, 2020: 1,991 mobile community testing events have occurred. These events were hosted by private partners including hospitals and FQHCs along with DHEC and the National Guard.
- Overall processing time for paid hospital invoices from date of receipt to date authorized to pay is 9.35 calendar days. Processing crossed the change in fiscal year, which caused a delay.

EXPENDITURES

- \$4.3M has been spent to reimburse hospitals for 457 community testing events.
- \$9.4M has been spent on outside laboratory costs for assistance in processing samples for nursing homes and other testing events.
- \$7.5M has been spent on lab and testing supplies.
- Remaining costs include contract staffing, EMS testing contracts and various items needed to support testing sites.
- Costs for the DHEC staff performing COVID-19 testing is captured under the Personnel category. This does not include staff who have been redirected to COVID-19 testing and are paid on other funds that allow COVID-19 activities.

PROJECTIONS

- Expenses incurred by DHEC will depend on multiple factors, including testing demand, percent of tests done in free community testing events, the extent to which the DHEC lab or other labs are utilized, and the extent to which billing insurance is feasible and allowable.
- Estimated additional expenditures include \$43.6M to reimburse hospitals and FQHCs for community testing events not yet invoiced or yet to occur

- Estimated additional \$39.5M for analyzing tests at private labs (augmenting DHEC lab capacity)
- Currently, the Federal government has supplied testing reagents to the DHEC lab. We have been told to expect this will change and estimates include three months of monthly reagents at a cost of \$1M/month.
- Additional lab testing equipment and related IT system enhancements, testing reagents (chemicals) and COVID-19 prevalence study (\$15.6M)
- Additional community testing capacity (\$100M)

ADDITIONAL FUNDING NEEDS

- Additional funds may be needed to meet testing goals through the end of June 2021.
 - Statewide testing goals have increased significantly. Actual costs will reflect actual demand (the number of tests conducted).
 - \$115.5 million in CARES Act funding for testing and contact tracing expires December 2020. It is uncertain at this time how much additional Federal funding will be made available.

CONTACT TRACING

Category	Spent as of 11/09/2020	Estimated Potential Expenditures through 12/31/2020*	Total Potential Expenditures through 12/31/2020*
Contact Tracing (excluding DHEC staff costs)	\$3,205,457	\$12,658,543	\$15,864,000

* Response to COVID-19 is a rapidly evolving event. All projections are based on data available at the time of this report and are subject to change.

KEY PERFORMANCE DATA

- 625 people are actively conducting contact tracing (449 investigators and 176 contract contact monitors). An additional 424 contact monitors have been identified and trained, and 186 DHEC staff members have been trained in case investigation and can be tapped if needed.
- DHEC is actively recruiting and training additional contact investigator staff.
- For individuals who Opt In to contact monitoring, DHEC has implemented contact monitoring software.

EXPENDITURES

- DHEC has contracts in place for contact monitoring and investigation staffing. To date, invoices for \$2,590,770 have been received and processed for payment.
- Costs for the DHEC staff doing contact investigation is captured under the Personnel category. This does not include staff who have been redirected to contact tracing and are paid on other funds that allow COVID-19 activities.
- Approximately \$614,687 has been spent on operating such as software, P-card purchases and background checks.

PROJECTIONS

- Includes an average of 300 contractual contact monitors and 250 contact investigators through the end of December 2020.
- Includes contact monitoring and testing software annual maintenance and costs to meet SC specifications (\$2.5 million)

ADDITIONAL FUNDING NEEDS

- Additional funds may be needed to meet the demand for contact tracing
 - The number of positive cases directly affects the demand for contact tracing.
 - \$115.5 million in CARES Act funding for testing and contact tracing expires December 2020. It is uncertain at this time how much additional Federal funding will be made available.

PERSONAL PROTECTIVE EQUIPMENT

Category	Spent as of 11/09/2020	Estimated Potential Expenditures through 12/31/2020*	Total Potential Expenditures through 12/31/2020*
Personal Protective Equipment (PPE) and Medical Supplies	\$11,488,007	\$2,317,462	\$13,805,469

* Response to COVID-19 is a rapidly evolving event. All projections are based on data available at the time of this report and are subject to change.

KEY PERFORMANCE DATA

- Approximately 853,000 N-95 masks along with other PPE supplies were provided to EMD for distribution to meet critical resource needs across the state.
- PPE has been provided for many community testing events.

EXPENDITURES

- The majority of PPE expenditures to date (approximately \$7.9 million) include support to EMD for distribution to meet critical resource requests across the state. Moving forward, EMD has been charged with establishing a PPE stockpile and meeting the statewide needs.
- Approximately \$3.3 million has been spent for PPE to support DHEC testing events and ongoing DHEC clinical services
- Approximately \$176,969 has been spent on other medical supplies.

PROJECTIONS

- Estimated additional expenditures are based on DHEC specific needs and estimates for testing events where select partners are unable to provide their own PPE.
 - If PPE prices spike again and or needs increase our projected costs could increase.
- Estimates do not include statewide needs for non-DHEC providers.

PERSONNEL

Category	Spent as of 11/09/2020	Estimated Potential Expenditures through 12/31/2020*	Total Potential Expenditures through 12/31/2020*
Personnel (for various COVID-19 activities)	\$15,991,847	20,221,681	\$36,213,528

* Response to COVID-19 is a rapidly evolving event. All projections are based on data available at the time of this report and are subject to change.

Personnel costs expended on COVID-19 funds total nearly \$16M. In addition, DHEC estimates that we have incurred \$27M in personnel costs on staff who have been redirected to COVID-19 and are paid on other funds that allow COVID-19 activities.

KEY PERFORMANCE DATA

- As of November 9th, DHEC has hired and onboarded 744 additional temporary staff. This does not include contractual staff.
- In addition, a large number of staff have been redirected to COVID-19 response activities.
- As of November 9th, 2020: 2,475 staff members have worked a total of 918,384.50 hours responding to COVID-19.

EXPENDITURES

- COVID-19-specific funding spent on DHEC staff for pandemic response. This does not include contractual staff.
- Costs include new staff hired for COVID-19 response.
- Costs include salary for redirected staff whose Federal funding source does not allow COVID-19 as an allowable activity as well as overtime for existing staff. Costs for staffs who are funded by other funds that allow COVID-19 activities are not included.
- Generally, personnel expenditures lag at least 1 month between the time work is completed and payment is made. Lag time is greater for the accounting time required to change the source of funding for federally funded staff who have been redirected for part or all of their time.

PROJECTIONS

- Estimated additional expenditures are based on expenditures to date, plus the projected number of additional staff to be hired.

EDUCATION CAMPAIGN

Category	Spent as of 11/09/2020	Estimated Potential Expenditures through 12/31/2020*	Total Potential Expenditures through 12/31/2020*
Education Campaign	\$2,877,281	\$7,164,897	\$10,042,178

* Response to COVID-19 is a rapidly evolving event. All projections are based on data available at the time of this report and are subject to change.

KEY PERFORMANCE DATA

- Stop the Spread campaign
- Stay SC Strong campaign
- Influencer Public Announcements
- Fight the Spread campaign
- Outreach and telebriefings with faith-based leaders
- Telebriefing with environmental justice leaders

EXPENDITURES

- Multiple advertising venues, including network and cable TV, radio, billboards, social media, and digital and print advertising with COVID-19 prevention messages.

PROJECTIONS

- Expenditures until the end of the calendar year include extensive statewide media buys through cable TV, network TV, online video, streaming/connected TV, radio, billboards, print advertising, digital advertising, social media advertising, retail advertising, and out-of-home advertising at gas stations and grocery stores.
- Additional expenditures include bringing on board a media buying partner in December 2020 to support traditional media buys and placements starting January 1, 2021, through June 30, 2021.

QUARANTINE AND ISOLATION FOR INDIGENT POPULATION

Category	Spent as of 11/09/2020	Estimated Potential Expenditures through 12/31/2020*	Total Potential Expenditures through 12/31/2020*
Quarantine and Isolation for indigent population	\$57,446	\$759,385	\$816,831

* Response to COVID-19 is a rapidly evolving event. All projections are based on data available at the time of this report and are subject to change.

KEY PERFORMANCE DATA

- 46 purchase orders in place with private entities to house indigent patients requiring quarantine or isolation
- 4 contracts in place with Counties for quarantine or isolation of indigent patients
- 63 individuals without means quarantined or isolated since March 2020.

EXPENDITURES

- Include indigent non-congregate housing costs for quarantine and isolation
- Includes cleaning and other ancillary costs for non-congregate housing of indigent patients

PROJECTIONS

- Actual expenditures will depend on how many indigent patients need to be quarantined.
- Estimated costs include the potential for non-congregate housing of indigent individuals should there be a need for a coastal evacuation due to a Hurricane.

TRANSPORT AND STORAGE

Category	Spent as of 11/09/2020	Estimated Potential Expenditures through 12/31/2020*	Total Potential Expenditures through 12/31/2020*
Transport & Storage (excluding DHEC staff costs)	\$1,668,170	\$60,893	\$1,729,063

* Response to COVID-19 is a rapidly evolving event. All projections are based on data available at the time of this report and are subject to change.

KEY PERFORMANCE DATA

- Distribution of supplies (masks, gowns, coveralls, face shields, and gloves) from the Strategic National Stockpile to counties to fill critical needs
- Distributed 14,652 vials of Remdesivir (RDV) to hospitals to treat 2,442 patients.
- Delivery of testing supplies for health care facilities and the PH lab and other supplies to support community testing events.

EXPENDITURES

- Support for EMD distribution of Strategic National Stockpile (\$250,000)
- Includes costs of rented refrigerated and box trucks, pharmaceutical storage.
- Partial support of EMD temporary warehouse costs (\$1.3 million).
- Transportation costs for daily and weekly shipments that include COVID-19 testing supplies for health care facilities and for the PH Lab: PPE, cooling vests, tents and other supplies to support Testing Sites;

PROJECTIONS

- Potential for COVID patient transports.

TECHNOLOGY, STAFF SUPPORT, CLEANING AND OTHER GRANT SPECIFIC

Category	Spent as of 11/09/2020	Estimated Potential Expenditures through 12/31/2020*	Total Potential Expenditures through 12/31/2020*
Technology, Staff Support, Cleaning & Other Grant Specific	\$3,747,028	\$5,064,114	\$8,811,360

* Response to COVID-19 is a rapidly evolving event. All projections are based on data available at the time of this report and are subject to change.

KEY PERFORMANCE DATA

- DHEC has received several grants that are focused for very specific activities and populations and expenditures are summarized here.
- General operating costs that support multiple other activities mentioned above.

EXPENDITURES

- Includes operating costs required for DHEC staff responding to COVID-19 (travel, office supplies, etc.)
- Includes additional software licenses, hardware and other technology to support new staff and remote network access (approximately \$1.96 million)
- Includes costs required for sanitizing DHEC facilities when indicated and recommended (approximately \$135,439).

PROJECTIONS

- System enhancements for the Immunization registry to prepare for COVID-19 vaccinations
- Syndromic Surveillance enhancements for early detection of new hotspots
- Miscellaneous lab IT supplies and training
- IT needs and operating for additional staffing
- Grant specific deliverables (healthcare partner contracts, immunization preparedness, housing opportunities for people with AIDs)

VACCINATION EFFORTS

Category	Spent as of 11/09/2020	Estimated Potential Expenditures through 12/31/2020*	Total Potential Expenditures through 12/31/2020*
Vaccination Efforts	\$6,062	\$822,130	\$828,192

* Response to COVID-19 is a rapidly evolving event. All projections are based on data available at the time of this report and are subject to change.

KEY PERFORMANCE DATA

- Submitted the state's COVID-19 Vaccination Plan to CDC.

EXPENDITURES

- Purchased ancillary supplies for vaccination efforts not being supplied by our Federal partners.

PROJECTIONS

- Include additional staffing and ancillary supplies for Phase I of vaccine distribution.

COVID-19 Act 135 Statewide Expenditures
Category Descriptions
Data as of November 18, 2020

Category	Description	Expense to Date
Testing Capacity – Supplies and Labor	Equipment, supply, and labor dedicated to the fixed testing locations that exist on the MUSC Charleston, Florence, and Lancaster campuses.	\$6,525,286
Mobile Testing – Staffing	Labor to operate the sites (registration, clinical, and command), team to provide test result call backs, and information solution team to develop workflow and automation.	\$2,436,423
Mobile Testing – Supplies	The biggest expense is lab equipment, reagent, and nasal swabs. Other minor expenses include specimen bags, labels, hand sanitizer, etc.	\$8,679,291
Mobile Testing – PPE	Gloves, masks, face shields, gowns, goggles, etc.	\$1,392,770
Mobile Testing – Cost and Tent Operations	Testing cost is inclusive of the testing kit creation (labor and material) and the laboratory labor expense to process the test. Tent operations include setup items, (generators and traffic cones), courier payments to transport labs back to Charleston, and other miscellaneous expenses to operate the rural site.	\$3,372,703
Mobile Testing – Education	Signage used for navigation/wayfinding thru the testing sites and for statewide publicity/communications.	\$234,277
Mobile Testing – Quarantine	Intended for care team members who need to quarantine after exposure from a testing site.	\$0
Mobile Testing – Transportation	Rental truck lease and fuel for the trucks traveling from Charleston to testing site. Also, for employee mileage reimbursement.	\$53,933
Mobile Testing – Contingency	Employee lodging, meals (when not donated by local partners), water/beverages, and ice (keep test samples cold).	\$20,699
Total		\$22,715,383

“At Risk Community / Pop Up” COVID testing count. Shown by patient’s home county, as listed on their driver’s license.

Patient Home County	# Tests
Florence	10,058
Richland	6,045
Charleston	5,506
Marion	3,021
Sumter	2,082
Williamsburg	1,814
Spartanburg	1,742
Darlington	1,690
Horry	1,677
York	1,543
Lexington	1,383
Chester	1,335
Orangeburg	1,290
Lancaster	1,279
Berkeley	1,166
Dorchester	838
Kershaw	708
Dillon	550
Georgetown	490
Pickens	403
Hampton	402
Fairfield	383
Greenville	310
Aiken	283
Oconee	227
Clarendon	205
Anderson	179
Lee	164
Colleton	149
Beaufort	137
Calhoun	130
Barnwell	129
Jasper	97
Mccormick	95
Chesterfield	92
Newberry	71
Bamberg	63
Cherokee	62
Marlboro	56
Allendale	47
Union	27
Edgefield	26
Laurens	22
Greenwood	17
Abbeville	11
Other**	4,168
Grand Total	52,172

“Fixed Site / MUSC campus” COVID testing count. Shown by patient’s home county, as listed on their driver’s license.

Patient Home County	# Tests
Charleston	32,773
Berkeley	9,393
Dorchester	6,915
Florence	5,837
Lancaster	3,703
Marion	1,715
Chester	1,534
Horry	1,531
Darlington	1,041
Williamsburg	661
Beaufort	657
Colleton	657
York	571
Orangeburg	543
Dillon	471
Sumter	451
Georgetown	385
Chesterfield	325
Clarendon	325
Richland	271
Lexington	183
Kershaw	158
Lee	145
Marlboro	130
Greenville	92
Hampton	85
Spartanburg	70
Jasper	69
Fairfield	64
Anderson	44
Aiken	42
Bamberg	36
Pickens	33
Calhoun	29
Union	28
Barnwell	17
Greenwood	16
Newberry	14
Allendale	13
Charlton	12
Other**	1,752
Grand Total	72,791

Total COVID-19 PCR testing

Testing Site Type	# Tests
Fixed Tents	72,791
At Risk Testing	52,172
MUSC Charleston	49,157
Affiliated Facilities	27,238
Department of Corrections	14,080
MUSC Florence	6,741
MUSC Chester	1,900
MUSC Marion	1,833
MUSC Lancaster	1,370
MUSC Nursing Centers	1,113
Other	10,541
Grand Total	238,936

Total COVID-19 Serology testing

Serology Testing	# Tests
Grand Total	13,733

* MUSC Health has partnered with the following educational institutions to provide COVID testing: Clemson University, University of South Carolina, College of Charleston, The Citadel, Francis Marion University, Trident Tech, Claflin University, SC State University, Florence School District 1, Charleston County School District

** “Other” includes counties that have less than 10 residents with completed tests, patients whose home county is outside South Carolina, and any registration discrepancies.

AGENCY: South Carolina Rural Infrastructure Authority

SUBJECT: Submission of Annual Report

S.C. Code Section 11-50-160 provides among other things that, following the close of each state fiscal year, the South Carolina Rural Infrastructure Authority must submit an annual report of its activities for the preceding year to the Governor and to the General Assembly, and an annual report of any loans or other financial assistance, excluding grants, to the Joint Bond Review Committee.

The report is provided as information to the Committee.

COMMITTEE ACTION:

Receive as information.

ATTACHMENTS:

1. Statutory reference.
2. South Carolina Rural Infrastructure Authority Annual Report Fiscal Year 2019-20.

SECTION 11-50-160. Annual reports; audit of books and accounts.

Following the close of each state fiscal year, the authority shall submit an annual report of its activities for the preceding year to the Governor and to the General Assembly. Also, the authority shall submit an annual report of any loans or other financial assistance, excluding grants, to the Joint Bond Review Committee. An independent certified public accountant shall perform an audit of the books and accounts of the authority at least once in each state fiscal year.

HISTORY: 2010 Act No. 171, Section 1, eff May 26, 2010; 2014 Act No. 195 (S.812), Section 4, eff June 2, 2014.

Effect of Amendment

2014 Act No. 195, Section 4, add the second sentence, relating to submittal of an annual report.



RIA South Carolina
Rural Infrastructure Authority

2019-2020 Annual Report

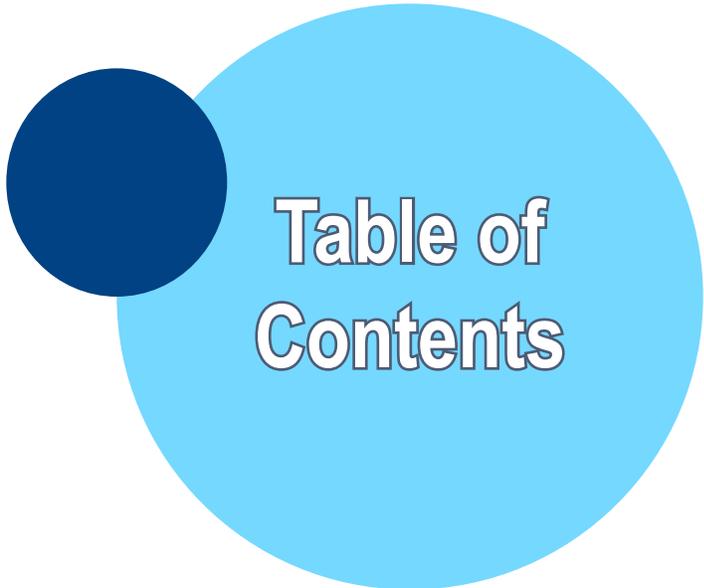


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The S.C. Rural Infrastructure Authority Annual Report for Fiscal Year 2020 is submitted by the S.C. Rural Infrastructure Authority in compliance with the S.C. Rural Infrastructure Act (S.C. Code of Laws §11-50-160). Additionally, Act 119 of 2005 mandates that agencies provide all reports to the General Assembly in an electronic format. This report represents activities between July 1, 2019 - June 30, 2020.

Agency Objectives

INCREASE

community sustainability by helping to maintain reliable and affordable infrastructure.

IMPROVE

the quality of life by addressing public health, environmental and regulatory concerns.

CREATE

opportunities for economic impact by building the infrastructure capacity to support economic development.



About the S.C. Rural Infrastructure Authority

The S.C. Rural Infrastructure Authority (RIA) began operating in 2012 with a purpose to help close the gap in financial resources for infrastructure improvements statewide and lay the groundwork for economic opportunities. Learn more by visiting ria.sc.gov.

Board of Directors

Secretary Robert M. Hitt III,
Chairman
S.C. Department of Commerce

The Honorable Michael Gambrell,
Vice-Chairman
S.C. Senate

Mr. David E. Anderson,
Anderson Brothers Bank

The Honorable William Clyburn,
S.C. House of Representatives

Mr. William Kellahan,
Kellahan & Associates

Mr. Jasper Shuler,
S.C. Department of Agriculture

The Honorable Richard Yow,
S.C. House of Representatives

RIA Staff

Bonnie Ammons, Executive Director

James Absher, Senior Financial Analyst

Trish Comp, Loan Program Director

Pamela Gantt, Administrative Assistant

Noel Hebert, Senior Financial Analyst

Jackie Mack, Senior Grant Program Manager

Eric Melaro, Senior Grant Program Manager

Liz Rosinski, Senior Grant Program Manager

Holley Sparkman, Loan Administration

Kendra Wilkerson, Sustainability Program Manager



Preparing Infrastructure for the Future



Robert M. Hitt III

Secretary, S.C. Department of Commerce
Chair, S.C. Rural Infrastructure Authority

Our state is experiencing unprecedented times as the pandemic has impacted public health and the economy. Communities are playing a critical role in ensuring that the essential services of safe drinking water and sanitary sewer are available to all customers.

The S.C. Rural Infrastructure Authority (RIA) has programs and tools to help communities meet current conditions as well as prepare for the future:

Solve Infrastructure Problems through a grant program that allows water and sewer systems to address immediate needs while they make plans for long-term improvements and expansion. Since 2013, more than \$148 million has been awarded statewide for 364 projects. These grants have been a catalyst for \$430 million in additional funds used for infrastructure improvements.

Build Capacity through projects and initiatives that provide public health and economic benefits. Investing in infrastructure capacity helps maintain the quality of life for residents and opens the door to new economic opportunities. About 30% of all RIA grant funds have been used to enhance infrastructure in support of economic projects, resulting in \$2.88 billion in proposed capital investment and 7,852 jobs.

Provide Affordable Financing through the State Revolving Funds (SRF) loan program that offers below-market interest rates to qualified borrowers. Since the program began more than 30 years ago, loans totaling over \$1.8 billion have been closed for 316 water, sewer and storm drainage projects. More than one-third of those loans (\$616 million) have been closed since the SRF program became part of RIA in 2016.

Deliver Customer Assistance with committed staff who work directly with local communities and leaders to help develop and implement projects, provide annual training on how to access RIA tools as well as coordinate with other programs and resources to address funding gaps and provide comprehensive solutions to the most pressing issues.

With more than \$100 million in grants and loans available each year for critical water, sewer and storm drainage needs, the RIA is ready to partner with communities to help address today's challenges in order to prepare for tomorrow's opportunities.



Bonnie Ammons

Executive Director,
S.C. Rural Infrastructure Authority

Fiscal Year 2020

At-A-Glance



\$180M

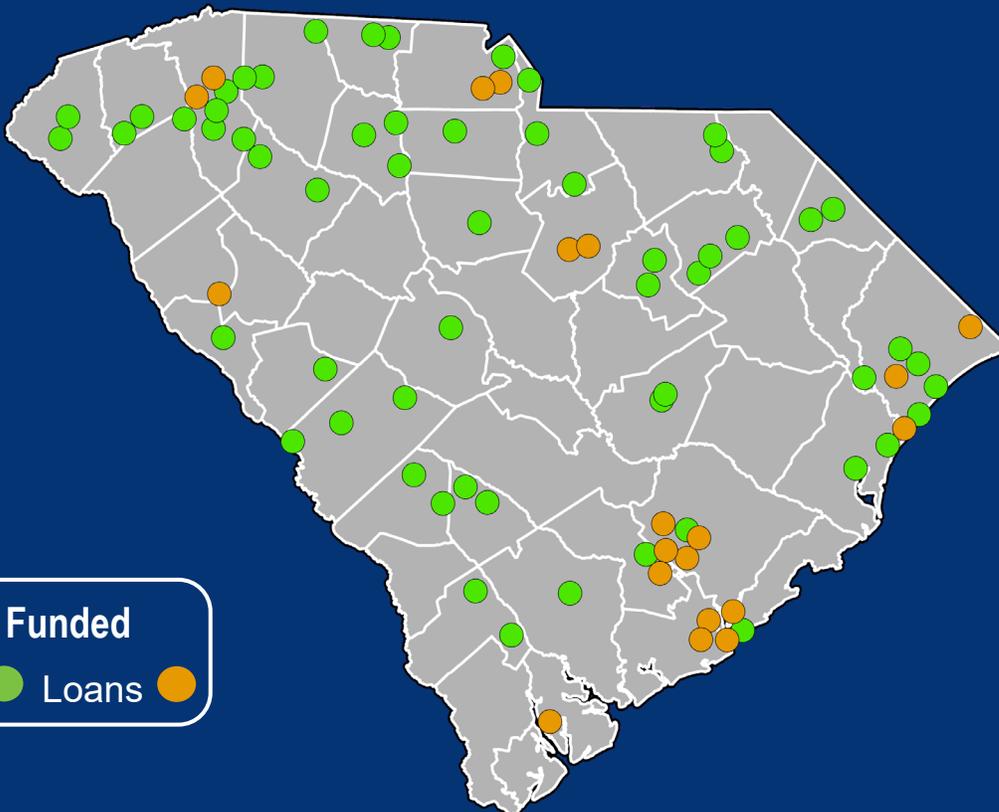
Total Grants and
Loans

79

Water, Sewer and Drainage
Projects

34

Counties Impacted



\$100M+
loans closed
four years
in a row

1 in 4
are
first-time
grantees



Grants

**\$25
Million**

**Grants
Awarded**

**59
Projects**

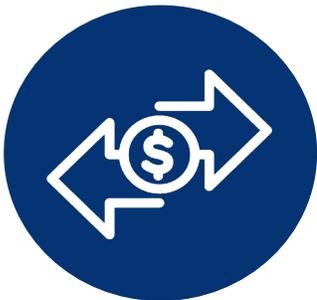
Statewide

**\$40
Million**

**Other Funds
Leveraged**

Customers Served

Residential: 57,542 * Businesses: 4,550



Loans

**\$154
Million**

Loans Closed

**20
Loans**

Statewide

**\$114
Million**

Loan Repayments

\$89M in Loan Disbursements

Solve Infrastructure Problems

For eight years, RIA has been awarding competitive grants semi-annually to local governments, special purpose and public service districts or public works commissions for the purpose of improving water, sewer and stormwater drainage infrastructure statewide.

Financial assistance is made available through two programs, Basic and Economic Infrastructure.

The Basic program targets projects that will: support regionalization efforts; help to resolve consent orders and regulatory violations impacting water and sewer systems; assist with other health and environmental issues or emergencies; as well as update aging infrastructure that has reached the end of its useful life and no longer provides quality service.

The Economic program is designed to: address financial gaps for infrastructure projects that will directly result in job creation and capital investment; build system capacity to support economic opportunity; or provide infrastructure solutions to publicly-owned industrial sites and parks.

RIA funds must be used for project-related construction costs. Applicants are responsible for engineering, property acquisition or easement/ROW and other non-construction related costs. There is a 25% construction match requirement for projects located in Tier I and II counties, as designated by the S.C. Department of Revenue.

Applications are reviewed on a comparative basis with consideration of the relative need, feasibility and impact of each project. Funding decisions are made by the RIA's Board of Directors.

Once grant awards are announced, staff pivot their assistance from project development to detailed project management by helping with implementation of grant-funded projects.

Nearly all of RIA's active grantees have been impacted by COVID-19, and staff spent considerable time working with them to ensure that projects could be carried out in a timely manner, with the safety of customers and staff being a priority.





Solving Consent Orders:

RIA gives a high priority to projects which will address DHEC Consent Orders that identify serious non-compliance with public health or environmental standards. This year, RIA staff worked with DHEC to evaluate whether grants were effective in resolving such Consent Orders. Between 2013 and 2019, 28 grant projects were awarded for this purpose, and 71% were found to have contributed (in whole or in part) to the closure of the Consent Orders. Those not yet resolved are mostly due to outstanding non-construction or operational issues, which RIA does not fund.

These collaborative efforts have a positive and measurable impact on the systems and the customers they serve. It reflects an ongoing need for additional investment to correct the deficiencies and prevent them in the future by upgrading aging infrastructure.

Fiscal Year 2020 Grant Recipients

Grantee	County	Project	Award
Aiken County/New Holland Rural Community Water	Aiken	Water System Improvements	\$60,000
Aiken, City of	Aiken	Economic Sewer Infrastructure	\$500,000
Bamberg Board of Public Works	Bamberg	Economic Sewer Infrastructure	\$450,000
Berkeley County	Berkeley	Sewer System Improvements	\$350,000
Bishopville, City of	Lee	Sewer System Improvements	\$500,000
Bishopville, City of	Lee	Economic Water Infrastructure	\$500,000
Blacksburg, Town of	Cherokee	Water System Improvements	\$500,000
Carlisle, Town of	Union	Sewer System Improvements	\$500,000
Central, Town of	Pickens	Sewer Line Upgrades	\$151,997
Cheraw, Town of	Chesterfield	Water System Improvements	\$187,000
Cheraw, Town of	Chesterfield	Economic Sewer Infrastructure	\$500,000
Cherokee County/Draytonville Water Works	Cherokee	Water System Improvements	\$407,500
Chester County Wastewater Recovery	Chester	Economic Sewer Infrastructure	\$500,000
Clinton, City of	Laurens	Sewer System Improvements	\$500,000
Darlington, City of	Darlington	Sewer System Improvements	\$500,000
Darlington County Water & Sewer Authority	Darlington	Water System Improvements	\$494,000
Denmark, City of	Bamberg	Water System Improvements	\$1,650,000
Dillon County	Dillon	Economic Sewer Infrastructure	\$300,000
Dillon, City of	Dillon	Water Tank Improvements	\$479,500
Dorchester County Water Authority	Dorchester	Water Line Improvements	\$360,000
Edgefield County Water and Sewer Authority	Edgefield	Water Line Upgrades	\$227,024
Elko, Town of	Barnwell	Water System Improvements	\$488,207
Fort Mill, Town of	York	Sewer System Improvements	\$500,000
Fountain Inn, City of	Greenville	Sewer System Improvements	\$500,000
Georgetown, City of	Georgetown	Water Tank Improvements	\$341,438
Gray Court, Town of	Laurens	Water System Improvements	\$500,000
Greenville Water	Greenville	Water Line Upgrades	\$500,000
Greenville, City of	Greenville	Sewer System Improvements	\$360,000
Greer Commission of Public Works	Spartanburg	Economic Sewer Infrastructure	\$500,000
Hilda, Town of	Barnwell	Water System Improvements	\$356,507
Horry County	Horry	Drainage System Upgrade	\$229,702
Horry County	Horry	Economic Water and Sewer Infrastructure	\$300,000

Fiscal Year 2020 Grant Recipients

Grantee	County	Project	Award
Joint Municipal Water and Sewer Commission	Lexington	Sewer Line Upgrades	\$500,000
Lamar, Town of	Darlington	Sewer System Improvements	\$500,000
Lancaster County	Lancaster	Economic Infrastructure	\$500,000
Lancaster County Water & Sewer District	Lancaster	Water Line Upgrades	\$470,000
Lancaster, City of	Lancaster	Water Line Improvements	\$363,000
Liberty, City of	Pickens	Sewer System Improvements	\$187,200
Liberty-Chesnee-Fingerville Water District	Spartanburg	Water Line Improvements	\$500,000
Lockhart, Town of	Union	Water Line Improvements	\$500,000
Lowcountry Regional Water System	Hampton	Water Tank Improvements	\$402,000
Lowcountry Regional Water System	Hampton	Economic Sewer Infrastructure	\$250,000
Manning, City of	Clarendon	Water System Improvements	\$465,000
Manning, City of	Clarendon	Water System Improvements	\$321,420
McCormick County	McCormick	Water System Improvements	\$260,000
Metropolitan Sewer Subdistrict	Greenville	Economic Sewer Infrastructure	\$376,922
Myrtle Beach, City of	Horry	Sewer Line Upgrades	\$500,000
North Augusta, City of	Aiken	Drainage System Upgrade	\$300,000
Powdersville Water District	Anderson	Economic Water Infrastructure	\$500,000
Rural Community Water District of Georgetown County	Georgetown	Water Tank Improvements	\$198,000
Startex-Jackson-Wellford-Duncan Water District	Spartanburg	Water Line Upgrades	\$500,000
Sullivan's Island, Town of	Charleston	Sewer System Improvements	\$500,000
Surfside Beach, Town of	Horry	Drainage System Upgrade	\$500,000
Union, City of	Union	Sewer System Improvements	\$500,000
Walhalla, City of	Oconee	Sewer System Improvements	\$500,000
Walterboro, City of	Colleton	Sewer System Improvements	\$483,450
Westminster, City of	Oconee	Sewer Line Upgrades	\$340,000
Winnsboro, Town of	Fairfield	Water Line Improvements	\$409,640
59 Projects			\$25,519,507
Grant Adjustments			
Abbeville, City of	Abbeville	Sewer System Improvements	\$212,000
Great Falls, Town of	Chester	Sewer System Improvements	\$28,564
Swansea, Town of	Lexington	Water Line Improvements	\$25,000
Total Funds Awarded			\$25,785,071

Build Capacity

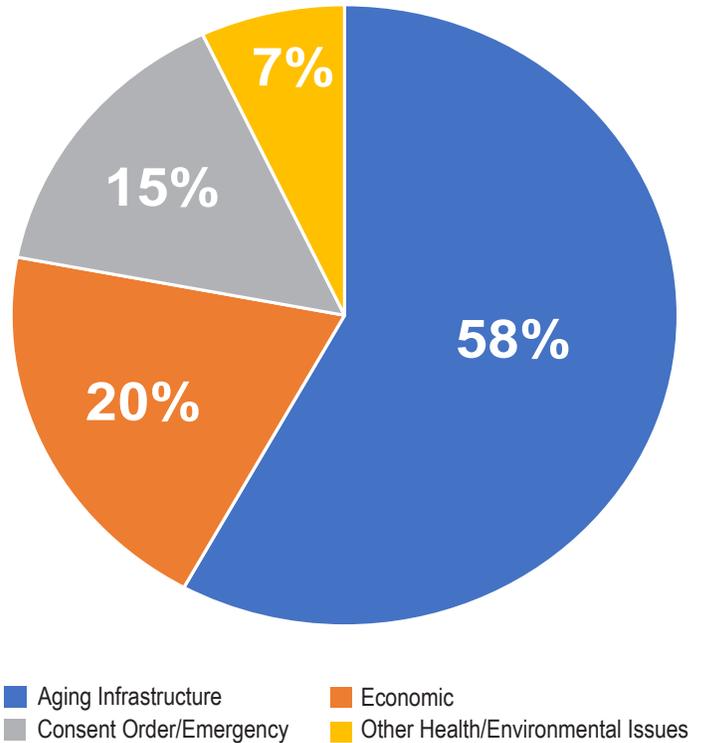
RIA-financed projects help build and strengthen water, sewer and stormwater infrastructure capacity, serving residential and business customers across the state. These infrastructure investments contribute to long-term sustainability for the water and sewer systems as well as the communities they serve. Customers benefit from the accessibility of safe drinking water and sanitary sewer services. Businesses gain access to reliable services that have the capacity to meet their operational and expansion needs.

As communities face increasing challenges to ensure the safety of their residents, RIA financial assistance is available to help fill financial gaps. Of the \$25 million in grant funds awarded this year, about \$14 million will be used to improve aging sewer collection and treatment facilities, upgrade water supply, storage and distribution systems as well as mitigate neighborhood flooding by improving drainage structures. Nearly \$6 million in grant funds will target projects needing to address Consent Orders, emergencies and other critical system issues impacting customers.

RIA projects are also designed to support economic opportunities by providing the infrastructure necessary to help new or existing businesses to grow and prosper. This year, \$5 million in grants will be used to install or improve infrastructure serving new businesses that will create jobs or serve publicly-owned industrial sites that are made ready for industrial prospects. Additionally, program investments increase a system's overall capacity to accommodate new growth and development.

Building capacity is about improving the quality of life for residents. It's about ensuring that infrastructure has the resiliency to weather storms and other environmental challenges. It's about installing infrastructure that will meet existing and future needs. It's about building a future that can accommodate economic opportunity and sustain communities. These are investments in our future.

Fiscal Year 2020 Grant Funding by Priority



Why Infrastructure Matters



Case In Point Supporting Economic Development

Colleton County received a \$500,000 RIA Economic grant in 2019 to expand water and sewer service to Venture Park, an 81-acre, publicly-owned industrial park that did not have adequate utilities to attract development. Colleton County used RIA funds to leverage a \$891,072 grant from the U.S. Economic Development Administration. The availability of on-site infrastructure significantly increased the marketability of the area to industrial prospects. Since this grant was awarded, two companies have announced plans to locate in Venture Park and create a combined total of 130 new jobs.



“Our mission is to work in partnership with communities to make them stronger and more sustainable by investing in their infrastructure foundation.”

- RIA Executive Director
Bonnie Ammons

Provide Affordable Financing



The State Revolving Funds (SRF) are federally capitalized loan programs which are jointly administered by the RIA and the S.C. Department of Health and Environmental Control (DHEC). RIA manages the financial and loan components of the program for the S.C. Water Quality Revolving Fund Authority (WQRFA). These responsibilities include credit reviews, loan agreements, disbursements and repayments. DHEC serves as the federal recipient and handles the technical aspects of the program, including selection of projects that meet water quality priorities and compliance with federal requirements.

The two agencies work collaboratively to administer the Clean Water (wastewater and storm drainage projects) and the Drinking Water SRF programs. These programs are often used to finance large and complex infrastructure projects.

Low-interest loans are made available to municipalities, counties and special purpose districts statewide. In addition to “below market” interest rates, the program offers a number of other advantages which translate into savings for rate-paying customers. The program provides low closing costs (.35%), fixed rate financing and extended terms up to 30 years. To be eligible, the borrower must have a sufficient revenue stream to repay the loan and show viability.

RIA annually reviews and updates the program’s loan policies for the WQRFA with a goal of ensuring the perpetuity of the funds for future loans.

At the beginning of FY20, the standard interest rate was set at 2.2%. The interest rate was lowered to 1.8% in the second half of the year, following the dramatic drop in interest rates in the municipal bond market, which was due in part to COVID-19. The lower municipal bond market rates also resulted in \$54.9 million in early pay-offs of SRF loans with remaining terms of ten years or less.

Additional SRF Funds Allocated For Disaster

The SRF program has been allocated \$17 million in funding from the U.S. Environmental Protection Agency for use in counties that suffered damage from Hurricane Florence. The funds will be used for improvements to drinking water, sewer and stormwater infrastructure to protect drinking water supplies and the environment from future natural disasters. RIA worked with customers to identify 19 projects that qualify for 1% loans and other assistance made available from this SRF disaster appropriation.

Fiscal Year 2020 Loan Recipients

Clean Water			
SPONSOR	COUNTY	PROJECT	AMOUNT
Abbeville, City of	Abbeville	Long Cane Creek Wastewater Treatment Plant (WWTP) Upgrade	\$948,620
Berkeley County	Berkeley	Pump Station (001) Force Main Replacement	\$8,344,437
Berkeley County	Berkeley	Jedburg/I-26 Interchange Improvements - Sewer Line Relocation	\$1,106,425
Berkeley County	Berkeley	Pump Station (002) Renovation	\$7,248,127
Berkeley County	Berkeley	Central Berkeley WWTP Upgrade	\$10,230,776
Camden, City of	Kershaw	Kirkwood, Ancrum & Ehrenclou Community Sewer Improvements	\$2,051,531
Grand Strand Water & Sewer Authority	Horry	Longs WWTP Upgrade and Expansion	\$15,014,426
James Island, Town of	Charleston	Pump Station (2) Upgrade and Conversion	\$1,793,128
James Island, Town of	Charleston	Pump Station (22 and 34) Upgrades	\$1,067,757
James Island, Town of	Charleston	Pump Station (1) Downgrade and Conversion	\$994,971
Mt. Pleasant, Town of	Charleston	Pump Station Conversion and Rehabilitation	\$5,574,130
Renewable Water Resources	Greenville	Gravity Sewer and Manhole Rehabilitation	\$2,852,613
Renewable Water Resources	Greenville	Unity Park Trunk Sewer Improvements	\$10,664,665
Rock Hill, City of	York	Manchester Creek WWTP Headworks Replacement	\$55,300,000
Rock Hill, City of	York	College Downs and Cavendale Drive Stormwater Improvements	\$4,848,432
15 Clean Water Loans Closed			\$128,040,038

Drinking Water			
SPONSOR	COUNTY	PROJECT	AMOUNT
Beaufort-Jasper Water & Sewer Authority	Beaufort	Hwy 170 Water Line	\$6,542,800
Berkeley County	Berkeley	Jedburg/I-26 Interchange Improvements - Water Line Relocation	\$1,113,538
Camden, City of	Kershaw	Kirkwood & Ehrenclou Community Water Improvements	\$1,995,195
Georgetown County Water & Sewer District	Georgetown	Murrells Inlet Elevated Storage Tank and Distribution Improvements	\$3,104,820
Grand Strand Water & Sewer Authority	Horry	Highway 701 to Highway 544 Water Transmission Line Improvement	\$14,081,787
5 Drinking Water Loans Closed			\$26,838,140

Deliver Customer Assistance

RIA is focused on the needs of our customers. Our staff take a proactive approach with water and sewer systems and the communities they serve. Training is provided through four annual workshops and webinars to inform potential applicants of available resources and how to access them.

One-on-one assistance is also provided to help communities identify eligible projects, determine available resources and coordinate with other funders as well as assist with project implementation. This year, such assistance was more important than ever as communities were faced with new challenges including new public health and safety concerns. RIA's programs helped to bridge gaps as utilities were stretched thin and required help from more than one resource.

● **216 cases of technical assistance**

● **201 outstanding loans**

● **245 participants in training**

● **130 active grant projects**

To assist communities in addressing needs in a comprehensive way, RIA has developed a partnership with representatives from other federal and state agencies known as the S.C. Infrastructure Funders Coordinating Committee. The goal of this cooperative effort is to make it easier to access and coordinate multiple funding sources. Activities include:

- meet with prospective applicants on potential projects;
- address funding gaps;
- coordinate jointly funded projects;
- identify solutions to infrastructure challenges; and
- promote sustainability and encourage regional approaches.



Other members include: U.S. Department of Agriculture (Rural Development); U.S. Economic Development Administration (EDA); S.C. Department of Commerce (Community Development Block Grant and Appalachian Regional Commission); and S.C. Department of Health and Environmental Control (DHEC).

RIA launches sustainability initiative

In May 2020, the RIA was awarded a \$240,000 grant from EDA to fund a statewide infrastructure assessment of water and sewer system sustainability factors. Working with our infrastructure partners and stakeholders, the study will identify common challenges within water and sewer systems that impact their ability to address infrastructure needs in a timely and sustainable manner.

This new initiative will identify various tools and resources to help with asset management, capital improvement planning, rate setting and operations. Alternative solutions will be explored including regional and other cooperative partnerships. Given the additional challenges brought on by COVID-19, this effort is designed to increase water and sewer system capacity, enhance resiliency following disasters and strengthen the ability to respond to long-term needs.

The RIA is providing a match of \$60,000 to assist in project implementation and has assigned a new staff person to lead this effort.

Case In Point Addressing Funding Gaps

For the City of Abbeville, a well-planned and coordinated effort was necessary to address DHEC requirements at its wastewater treatment plant. After discussions and meetings with various funding sources, the city received an RIA grant of \$500,000, an SRF loan of \$948,620 and an EDA grant of \$2.5 million. The partnership between these three funding sources, combining state and federal dollars, is an example of how working together can lead to a successful outcome. Construction began on the \$4 million project in May 2020.

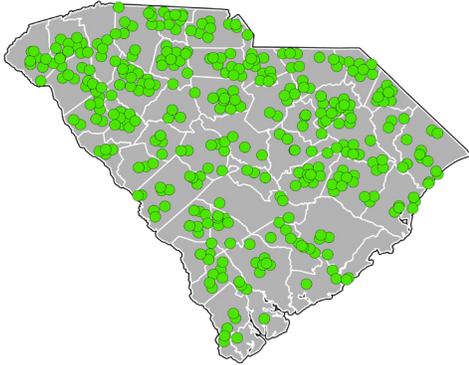


“This has been a collaborative process which started a few years ago when the need for the wastewater treatment plant upgrades became apparent. For small communities and utility systems, these funding sources are invaluable and offer us the ability to make the necessary improvements which will best serve our customers.”

Mike Clary
Community Development Director
City of Abbeville

Highlights

Grants 2013 - 2020



• 79% of all grant projects funded to date are located in rural and distressed areas

\$148M

Grants Awarded

\$2.8B

Capital Investment

364

Projects

7,852

Proposed Jobs

\$407,340

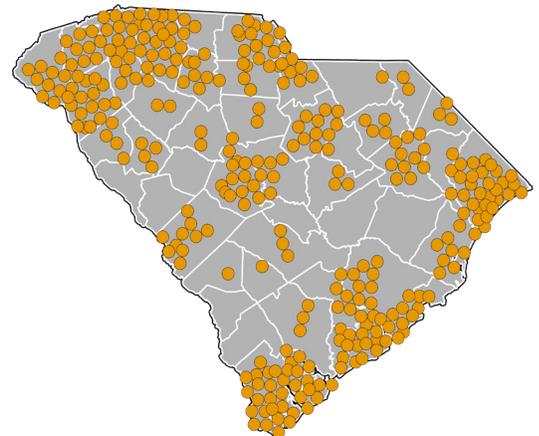
Average Grant

\$430M

Other Funds Leveraged

Data included in this report reflects grants at time of award and does not include grant adjustments or terminations. This primarily only applies to cumulative numbers and not FY20.

SRF Loans 2016 - 2020



\$616M

Loans Closed

77

Projects

\$8M

Average Loan

\$1.25B

Current Loan Portfolio

\$734M

Outstanding Principal Balance

• \$1.8B in loans since 1989
• Zero defaults in program history

Case In Point Planning for Storm Resiliency

In 2016, the City of Darlington received a \$448,870 RIA grant to address a long-standing drainage issue on the southwest side of the city. Due to poorly functioning stormwater infrastructure and open ditches running through the area, odors and mosquitos from standing water were often a problem. With the help of the RIA grant, the city was able to commit another \$2.3 million to make substantial drainage improvements. The infrastructure upgrades reduced flooding and improved the quality of life for residences and businesses.



Case In Point Building Future Capacity

Renewable Water Resources (ReWa), the public regional wastewater collection and treatment provider, determined the need for additional sewer conveyance capacity through downtown Greenville. The Reedy River Basin Sewer Tunnel will provide a sustainable solution to avoid excess wet-weather related sanitary sewer overflows and accommodate future growth. The mile-long tunnel (aka Dig Greenville) is under construction and scheduled to be completed in 2021. It was made possible by a \$42 million Clean Water SRF loan in FY18.



RIA



AGENCY: Joint Bond Review Committee

SUBJECT: Future Meeting

The next meeting of the State Fiscal Accountability Authority is tentatively scheduled for Tuesday, February 2, 2021.

2021

January	April	July	October
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February	May	August	November
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March	June	September	December
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COMMITTEE ACTION:

Schedule next meeting.

ATTACHMENTS:

None.