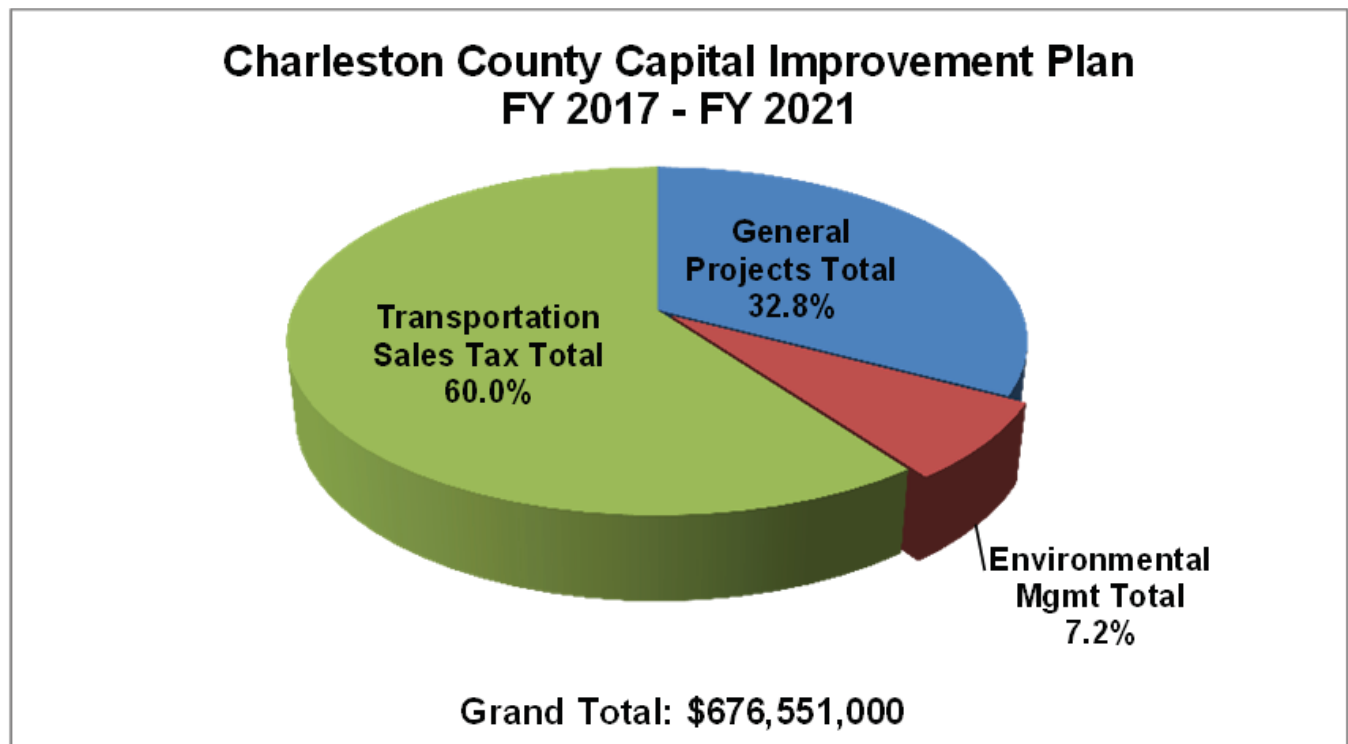


Capital Projects - Overview

Overview

The FY 2017 – FY 2021 Adopted five year Capital Improvement Plan (CIP) contains three separately approved plans including the General Capital Improvement Plan, the Transportation Sales Tax Comprehensive Plan of Expenditures, and the Environmental Management Enterprise Fund Capital Improvement Plan. Each plan is developed separately from the other and provides detailed information about the individual projects within each plans' realm of responsibility.

The three Adopted CIPs total \$676.6 million and include \$221.6 million or 32.8 percent of the amount allocated to the General Capital Improvement Plan, \$406.0 million or 60.0 percent allocated to the Transportation Sales Tax Comprehensive Plan of Expenditures, and \$49.0 million or 7.2 percent allocated to the Environmental Management Enterprise Fund Capital Improvement Plan.



The County defines capital assets as major assets that benefit more than a single fiscal period. Typical examples are land, improvements to land, easements, buildings, vehicles, machinery equipment, computer software, and infrastructure that meet the County capitalization threshold. The capitalization threshold for various assets is as stated in the following table.

Asset Category	Items to be Capitalized
Land	All, regardless of cost.
Non-Depreciable Land Improvements	All, regardless of cost.
Depreciable Land Improvements	Any costing more than \$100,000.
Buildings and Building Improvements	Any costing more than \$100,000.
Infrastructure	Any costing more than \$100,000.
Machinery, Equipment & Vehicles	Any costing more than \$5,000.

Capital Projects - Overview

Some capital expenditures are included within the operating budget since they are recurring or affordable on a pay-as-you-go basis. Examples of capital expenditures included in the operating budget are vehicles and equipment purchases. Following is a table summarizing capital expenditures in the operating budget.

Capital Expenditures	
General Fund	\$3,156,789
Special Revenue Funds	1,126,000
Enterprise Funds	4,069,000
Internal Service Funds	3,073,000
Grand Total	\$11,424,789

Charleston County's CIP is a financial management tool that assists in facility replacement and capital development. Implementing a multi-year CIP promotes better use of the County's limited financial resources and assists in the coordination of public and private development. As a financial tool, a multi-year CIP provides early indications of major outlays and assures timely facility maintenance or replacement. In addition, five-year capital improvement plans are an integral part of long-range planning and are viewed positively by bond rating agencies.

Financial Policies

- *Capital Improvement Policy #1: A five-year Capital Improvement Plan shall be developed and updated annually.*

Each multi-year plan covers a five-year planning period and is updated annually to reflect ongoing changes and additions. These plans are submitted to County Council for adoption along with the County's annual budget. The five-year plans do not appropriate funds; they support the actual appropriations that are made through adoption of the budget.

Facility Planning Committee

Early in 2003, the County Administrator established a Facility Planning Committee composed of representatives from the Building Inspections and Facilities Management Departments. The purpose of the Committee was to develop a five-year plan to address existing and future facility and capital needs.

The initial phase of development was to evaluate existing County-owned and rented facilities and land. The Committee found that the County's facilities were generally in good condition with 76 percent of the square footage having an effective age of ten years or less. The effective age was determined from original construction date or the date of major renovations. The Committee determined that the County owned some unused buildings and land. Council voted to lease portions of the unused facilities and property.

The Committee sent a survey to all department heads and elected and appointed officials requesting information about current and future service delivery and space needs. Based on the facilities evaluations and the departments' anticipated needs, the Committee prioritized projects. The main goals of the CIP was to more effectively utilize County facilities and invest in technology to better serve the County's citizens.

Capital Projects - Overview

With assistance from the Finance and Budget Departments, the Committee balanced the identified projects with current and future financing capabilities. After identifying the projects, the committee developed the five-year plan by identifying the total cost of each selected project and the associated operating and maintenance costs. The projects were then scheduled and budgeted for the FY 2004 – FY 2008 Capital Improvement Plan.

This committee has changed over the years to consist of the Facilities Management and Budget Departments. Input is received from Technology Services, the Transportation Sales Tax departments and committees, and the Enterprise Funds (i.e. Environmental Management). In addition to developing the CIPs, the Committee monitors the status of existing projects and emerging needs through periodic updates.

Since the original committee's formation, several of the County's large facilities have aged and are requiring more extensive maintenance. The maintenance of these facilities has been transitioned from the Capital Projects Funds to the General Fund during FY 2017 to reflect the recurring nature of these costs.

Capital Projects - General

Capital Improvement Plan – General

The County updates the Capital Improvement Plan (CIP) annually. The FY 2017 – FY 2021 General CIP reflects the current estimated schedule for approved projects. The CIP includes the construction of new facilities, major renovations of existing facilities, and large software implementations or upgrades.

General Project Cost Summary *

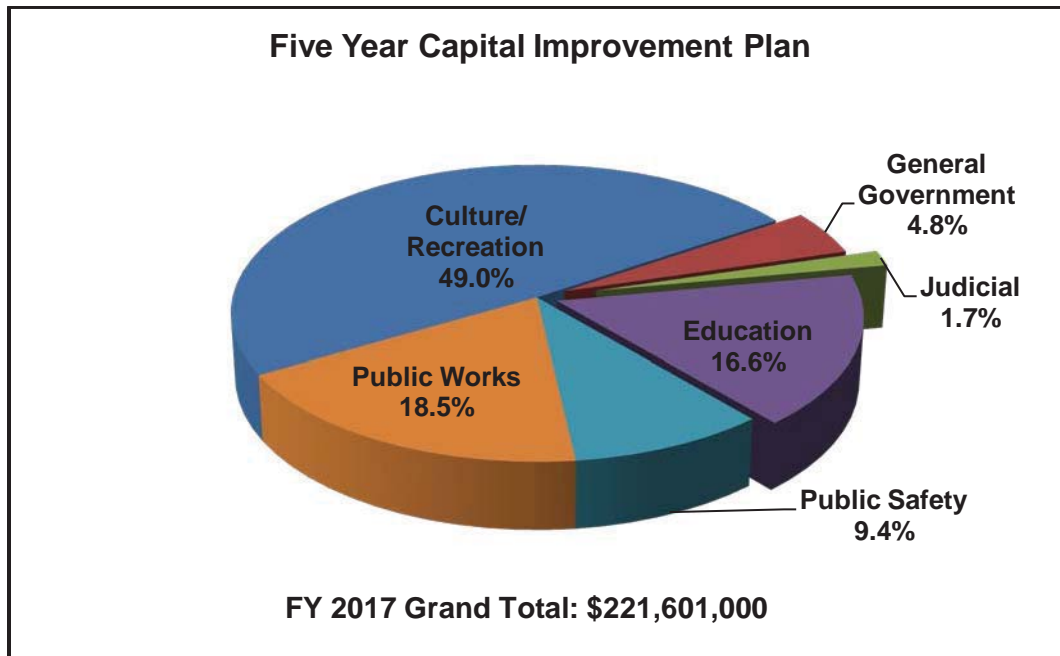
Project Title	Prior	2017	2018	2019	2020	2021	Beyond	Total
CULTURE/RECREATION								
Library Facilities	\$ 2,166	\$ 14,846	\$ 53,566	\$21,311	\$10,363	\$ 6,248	\$ -	\$ 108,500
Culture/Recreation Total	2,166	14,846	53,566	21,311	10,363	6,248	-	108,500
EDUCATION								
Trident Aeronautical Training Facil	-	1,710	8,520	8,520	-	-	-	18,750
Trident Nursing & Science Bldg	16,899	1,101	-	-	-	-	-	18,000
Education Total	16,899	2,811	8,520	8,520	-	-	-	36,750
GENERAL GOVERNMENT								
Disabilities Board	-	-	2,250	2,250	-	-	-	4,500
Facilities Warehouse	-	-	2,500	-	-	-	-	2,500
Lee Building	-	-	2,200	-	1,500	-	-	3,700
Social Services Building	-	-	-	-	-	-	-	-
General Government Total	-	-	6,950	2,250	1,500	-	-	10,700
JUDICIAL								
Magistrates' Court/EMS Station	-	-	1,850	1,850	-	-	-	3,700
Judicial Total	-	-	1,850	1,850	-	-	-	3,700
PUBLIC SAFETY								
Awendaw Fire Station	9	729	631	-	-	-	-	1,369
Consolidated Dispatch Expansion	-	-	-	-	-	-	10,000	10,000
Coroner Building	1,003	447	-	-	-	-	-	1,450
Juvenile Detention Center	-	-	-	475	4,275	-	-	4,750
Law Enforcement Training Center	-	-	-	-	-	-	500	500
Public Safety System	60	2,822	-	-	-	-	-	2,882
Public Safety Total	1,072	3,998	631	475	4,275	-	10,500	20,951
PUBLIC WORKS								
Public Works Compound - Azalea	-	-	-	1,000	-	10,000	30,000	41,000
Public Works Total	-	-	-	1,000	-	10,000	30,000	41,000
GRAND TOTAL	\$ 20,137	\$ 21,655	\$ 71,517	\$35,406	\$16,138	\$16,248	\$40,500	\$ 221,601

*Amounts in thousands of dollars

Capital Projects - General

Six of the fifteen projects listed in the CIP have funds appropriated for use in FY 2017.

The following graph shows the proposed projects scheduled during the five year CIP. See the Project Summary pages for project details.



Council and staff will continue to review the program, its direction, progress, and financing requirements annually.

Financing the CIP

The funding for this plan will come from existing bond issues, transfers from the General Fund, and future bond issues. In addition, all revenues from the sale of real estate must be used for capital projects per the County Budget Ordinance and Financial Policies.

Financial Policies

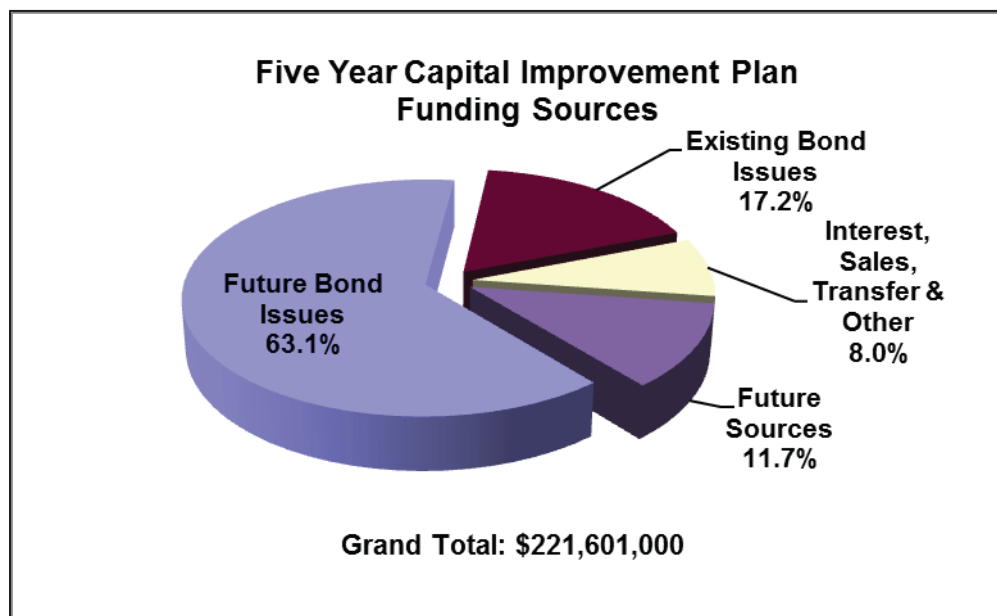
- *Capital Improvement Policy #2b: ...proceeds from the sale of real property...will be used for capital improvements...*

Capital Projects - General

General Project Source Summary *

Funding Source	Prior	2017	2018	2019	2020	2021	Beyond	Total
Existing Bond Issues	\$38,119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,119
Interest, Sales, Transfer & Other	14,832	3,000	-	-	-	-	-	17,832
Future Bond Issues	-	70,000	-	29,750	-	40,000	-	139,750
Future Sources	-	-	12,900	1,000	1,500	-	10,500	25,900
GRAND TOTAL	\$52,951	73,000	\$12,900	\$30,750	\$ 1,500	\$40,000	\$10,500	\$ 221,601

Ten percent of the funding associated with the five year General Capital Improvement Plan is scheduled to be applied to projects in FY 2017.



Impact on the Operating Budget

The capital program directly impacts current and future operating budgets. The County's Financial Policies requires the County to estimate the operating revenues and costs as well as the operating costs of future capital improvements included in the Capital Improvement Plan. Charleston County has identified costs required to operate and maintain completed capital projects. In some cases, the operating costs of the project are either insignificant or are offset by cost savings.

The operating and maintenance cost is calculated on each individual project. The Facilities Management Department estimates the increased cost for administrative costs, building maintenance, utilities and security. The Safety and Risk Management Department calculates the increased insurance costs. The Technology Services Department determines the ongoing operating and update costs associated with capital management information systems. If applicable, the operating and maintenance costs are displayed in current dollars.

Capital Projects - General

Awendaw Fire Station

Awendaw fire truck and helmet



Project Highlights

Initiative: Service Delivery

Function: Public Safety

Type: New

Management: Facilities
Management

Duration: 2015-2018

Total Project Cost:
\$1,369,000

DESCRIPTION

This project will purchase property and build a new fire station. The greatest anticipated challenge will be finding a suitable site location that is strategically located in an area that will reduce response times.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$9	\$729	\$631	\$0	\$0	\$0	\$0	\$1,369

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Existing Bond Issues	\$1,369	\$0	\$0	\$0	\$0	\$0	\$0	\$1,369
GRAND TOTAL	\$1,369	\$0	\$0	\$0	\$0	\$0	\$0	\$1,369

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	10	10	10	10
Grand Total	\$0	\$10	\$10	\$10	\$10

**Amounts in thousands of dollars*

Operation & Maintenance Impacts	Using current trends for our smaller stations, the projected yearly cost to operate the station would be \$10,000 per year
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Capital Projects - General

Consolidated Dispatch Expansion

An expansion of the CDC will be required as additional consolidation occurs.



Project Highlights

Initiative: Service Delivery
Function: Public Safety
Type: New
Management: Consolidated Dispatch
Duration: Beyond

Total Project Cost:
\$10,000,000

DESCRIPTION

Many emergency call taking/dispatching services for Charleston County jurisdictions have transitioned incrementally to the Charleston County Consolidated 9-1-1 Center since its inception in 2009. The CDC currently dispatches for over a dozen jurisdictions. Because of the success of the consolidation, further consolidation is being explored and will require an expansion to current facilities.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Future Sources	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	10,000
GRAND TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000

O&M Costs (Savings)	2016	2017	2018	2019	2020
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	0	0	0	0
Grand Total	\$0	\$0	\$0	\$0	\$0

**Amounts in thousands of dollars*

Operation & Maintenance Impacts

Additional maintenance costs are unknown at this time.

Capital Projects - General

Coroner Building



Site of the Coroner facility

Project Highlights

Initiative: Service Delivery

Function: Public Safety

Type: New

Management: Facilities
Management

Duration: 2015-2017

Total Project Cost:
\$1,450,000

DESCRIPTION

This project will relocate the Coroner's Office to a larger facility to address an increasing workload, a growing population and to comply with increasing regulations and requirements. The facility will provide the Coroner with additional resources to serve the public.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$1,003	\$447	\$0	\$0	\$0	\$0	\$0	\$1,450
Interest, Sales, Transfer & Other	\$1,450	\$0	\$0	\$0	\$0	\$0	\$0	\$1,450
GRAND TOTAL	\$1,450	\$0	\$0	\$0	\$0	\$0	\$0	\$1,450

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	50	50	50	50	50
Grand Total	\$50	\$50	\$50	\$50	\$50

*Amounts in thousands of dollars

Operation & Maintenance Impacts	O&M costs include utility costs and facilities maintenance costs. These additional costs are included in the FY 2017 Facilities Management budget.
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Capital Projects - General

Disabilities Board



Photo of existing facility located at 995 Morrison Drive.

Project Highlights

Initiative: Service Delivery
Function: General Government
Type: Replacement
Management: Facilities Management
Duration: 2018-2019

Total Project Cost:
\$4,500,000

DESCRIPTION

The Disabilities Board is currently located at 995 Morrison Drive and occupies about 35,000 square feet. This facility is in need of extensive work, including a new metal roof. Currently, the County is considering the sale of part or all of this property in the near future. Rather than spend significant funds to repair the existing building with no financial recovery, the recommendation is to purchase an existing facility and provide tenant improvements for the relocation of Disabilities Board. This project would also include demolition of the existing building.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$0	\$0	\$2,250	\$2,250	\$0	\$0	\$0	\$4,500

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Future Sources	\$0	\$0	\$4,500	\$0	\$0	\$0	\$0	\$4,500
GRAND TOTAL	\$0	\$0	\$4,500	\$0	\$0	\$0	\$0	\$4,500

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	0	0	0	0
Grand Total	\$0	\$0	\$0	\$0	\$0

**Amounts in thousands of dollars*

Operation & Maintenance Impacts	<i>O&M costs are unknown at this time.</i>
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Capital Projects - General

Facilities Warehouse

Old Facilities Warehouse
995 Morrison Drive



Project Highlights

Initiative: Service Delivery
Function: General Government
Type: Replacement
Management: Facilities Management
Duration: 2018

Total Project Cost:
\$2,500,000

DESCRIPTION

This project will relocate the Charleston County Facilities Warehouse located at 995 Morrison to a new, undetermined location pending a potential sale of the Charleston County property at that address.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$0	\$0	\$2,500	\$0	\$0	\$0	\$0	\$2,500

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Future Sources	\$0	\$0	\$2,500	\$0	\$0	\$0	\$0	\$2,500
GRAND TOTAL	\$0	\$0	\$2,500	\$0	\$0	\$0	\$0	\$2,500

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	0	0	0	0
Grand Total	\$0	\$0	\$0	\$0	\$0

*Amounts in thousands of dollars

Operation & Maintenance Impacts
No additional O&M costs expected.

Capital Projects - General

Law Enforcement Training Center

Charleston County Sheriff's Department personnel conducting S.W.A.T. team exercises



Project Highlights

Initiative: Service Delivery
Function: Public Safety
Type: New
Management: Facilities Management
Duration: To be determined

Total Project Cost:
\$500,000

DESCRIPTION

This project will create a firearms shooting range and law enforcement training facility.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$500

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Future Sources	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$500
GRAND TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$500

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	0	0	0	0
Grand Total	\$0	\$0	\$0	\$0	\$0

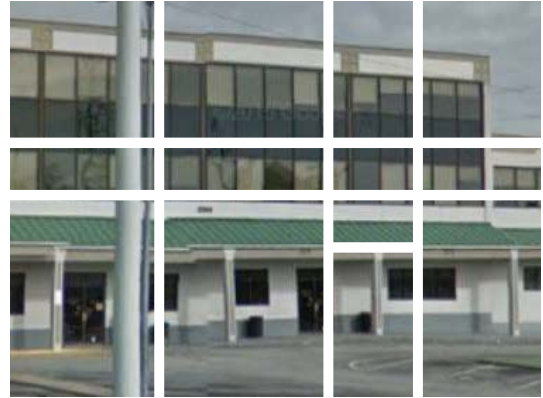
**Amounts in thousands of dollars*

Operation & Maintenance Impacts	<i>Estimated increases in annual operating and maintenance costs are unknown at this time.</i>
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Capital Projects - General

Lee Building

Photo of Lee Building



Project Highlights

Initiative: Service Delivery
Function: General Government
Type: New
Management: Facilities Management
Duration: 2018-2020

Total Project Cost:
\$3,700,000

DESCRIPTION

A major rehabilitation of the first floor (28,000 sq ft) and elevator of the Lee Building is needed. This project would provide 2018 preliminary A&E services to provide scope of project, concept drawing, and estimations of the required work. Completion of design and work would be carried out in two phases starting in FY 2018.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$0	\$0	\$2,200	\$0	\$1,500	\$0	\$0	\$3,700

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Future Sources	\$0	\$0	\$2,200	\$0	\$1,500	\$0	\$0	\$3,700
GRAND TOTAL	\$0	\$0	\$2,200	\$0	\$1,500	\$0	\$0	\$3,700

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	0	0	0	0
Grand Total	\$0	\$0	\$0	\$0	\$0

*Amounts in thousands of dollars

Operation & Maintenance Impacts	There are no significant additional operating or maintenance costs or savings due to this project.
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Capital Projects - General

Library Facilities

Main Library scheduled for renovations in FY 2019 as part of the extensive library CIP approved by the 2014 referendum



Project Highlights

Initiative: Service Delivery
Function: Culture/Recreation
Type: New and Replacement
Management: Facilities Management
Duration: 2016-2021

Total Project Cost:
\$108,500,000

DESCRIPTION

In November of 2014, a referendum to approve \$108.5 million in financing to build and renovate libraries across Charleston County was approved by voters at the ballot. The planning phase, site selection, and initial actions to carry out the plans began in FY 2016. Construction begins in FY 2017.

Construction will take place at 19 sites with five sites expected to begin in FY 2017. The project also includes renovation of 14 sites. The project will utilize a pay as you go funding strategy assisted by future bond issuances beginning in FY 2017 and in FY 2019.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$2,166	\$14,846	\$53,566	\$21,311	\$10,363	\$6,248	\$0	\$108,500

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Interest, Sales, Transfer & Other	\$10,500	\$3,000	\$0	\$0	\$0	\$0	\$0	\$13,500
Future Bond Issues	0	70,000	0	25,000	0	0	0	95,000
GRAND TOTAL	\$10,500	\$73,000	\$0	\$25,000	\$0	\$0	\$0	\$108,500

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$2,165	\$3,858	\$3,955	\$3,955
Operating	135	1,502	2,815	3,010	3,010
Grand Total	\$135	\$3,667	\$6,673	\$6,965	\$6,965

*Amounts in thousands of dollars

Operation & Maintenance Impacts	O&M costs include the addition of 86 positions for Library operations, facilities maintenance and grounds maintenance. In addition, O&M costs include Library materials, insurance and technology maintenance. The O&M costs are anticipated to be funded from the General Fund millage increase in FY 2016 after utilizing the funds on a pay-as-you-go basis for the capital costs.
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Capital Projects - General

Magistrates' Court/EMS Station



Project Highlights

Initiative: Service Delivery
Function: Judicial
Type: Replacement
Management: Magistrate
Duration: 2018-2019

Total Project Cost:
\$3,700,000

DESCRIPTION

The current magistrates' court and EMS station are located at 995 Morrison Drive. The County is considering the sale of part or all of this property in the near future. Proceeds from the sale of the property will go towards constructing a new magistrates' court and EMS station.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$0	\$0	\$1,850	\$1,850	\$0	\$0	\$0	\$3,700

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Future Sources	\$0	\$0	\$3,700	\$0	\$0	\$0	\$0	\$3,700
GRAND TOTAL	\$0	\$0	\$3,700	\$0	\$0	\$0	\$0	\$3,700

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	0	0	65	65
Grand Total	\$0	\$0	\$0	\$65	\$65

**Amounts in thousands of dollars*

Operation & Maintenance Impacts	<i>The new facility is expected to cost an additional \$64,543 per year to operate.</i>
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Capital Projects - General

Public Safety System

Sheriff's Records Management System



Project Highlights

Initiative: Service Delivery
Function: Public Safety
Type: Upgrade
Management: Sheriff
Duration: 2016-2017

Total Project Cost:
\$2,882,000

DESCRIPTION

This project will upgrade the Records Management system for the Sheriff: Detention Center and the Sheriff: Law Enforcement.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$60	\$2,822	\$0	\$0	\$0	\$0	\$0	\$2,882

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Interest, Sales, Transfer & Other	\$2,882	\$0	\$0	\$0	\$0	\$0	\$0	\$2,882
GRAND TOTAL	\$2,882	\$0	\$0	\$0	\$0	\$0	\$0	\$2,882

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	0	0	0	0
Grand Total	\$0	\$0	\$0	\$0	\$0

**Amounts in thousands of dollars*

Operation & Maintenance Impacts	<i>There are no significant additional operating or maintenance costs or savings related to this project.</i>
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Capital Projects - General

Public Works Compound

*Public Works Complex site
located on Azalea Drive*



Project Highlights

Initiative: Service Delivery
Function: Public Works
Type: Replacement
Management: Financial Services
Duration: 2019-Beyond

Total Project Cost:
\$41,000,000

DESCRIPTION

The County plans to upgrade the existing complex for the utilities, communications and fueling sites. In addition, this project will improve accessibility and flow throughout the complex. The project also includes improved storage for Public Works heavy equipment.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$0	\$0	\$0	\$1,000	\$0	\$10,000	\$30,000	\$41,000

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Future Bond Issues	\$0	\$0	\$0	\$0	\$0	\$40,000	\$0	\$40,000
Future Sources	0	0	0	1,000	0	0	0	1,000
GRAND TOTAL	\$0	\$0	\$0	\$1,000	\$0	\$40,000	\$0	\$41,000

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	0	0	0	0
Grand Total	\$0	\$0	\$0	\$0	\$0

**Amounts in thousands
of dollars*

Operation & Maintenance Impacts
Until the design is completed, the estimated increases in annual operating and maintenance costs are undetermined.

Capital Projects - General

Social Services Building

Project Highlights

Initiative: Service Delivery
Function: General Government
Type: New and Upgrade
Management: Financial Services
Duration: To be determined

Total Project Cost:
N/A

DESCRIPTION

The County is anticipating the sale of its Charleston Center property to MUSC (to allow expansion of their Children's Hospital and Women's Center), and the County plans to create a social services hub that would house the current County tenants of DAODAS, DHEC, and Vital Records. A site and size of the facility has yet to be determined.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Interest, Sales, Transfer & Other	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Future Sources	0	0	0	0	0	0	0	0
GRAND TOTAL	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	0	0	0	0
Grand Total	\$0	\$0	\$0	\$0	\$0

**Amounts in thousands of dollars*

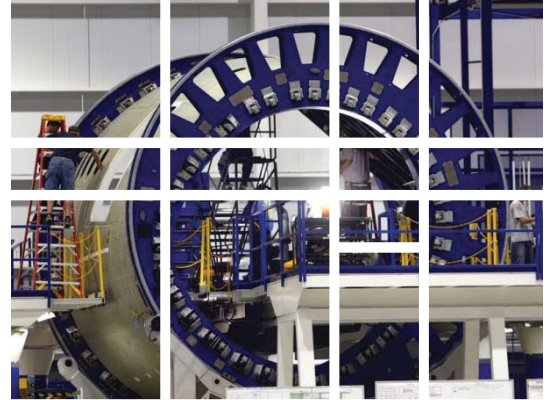
Operation & Maintenance Impacts	<i>There are no significant additional operating or maintenance costs or savings due to this project.</i>
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Capital Projects - General

Trident Aeronautical Training Facility

Boeing South Carolina 787 plant Trident Technical College utilized to train employees

(Photo from Post & Courier)



Project Highlights

Initiative: Service Delivery

Function: Education

Type: New

Management: Trident Technical College

Duration: 2017-2019

Total Project Cost:
\$18,750,000

DESCRIPTION

This project will construct a building on the main campus of Trident Technical College with over 200,000 square feet of space. The County is providing a portion of the \$79 million in funding required for construction, with the largest portion coming from the State. This building will provide classrooms for aeronautical studies including aircraft maintenance, aircraft assembly, avionics maintenance, and basic industrial work skills.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$0	\$1,710	\$8,520	\$8,520	\$0	\$0	\$0	\$18,750

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Existing Bond Issues	\$18,750	\$0	\$0	\$0	\$0	\$0	\$0	\$18,750
GRAND TOTAL	\$18,750	\$0	\$0	\$0	\$0	\$0	\$0	\$18,750

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	0	0	0	0
Grand Total	\$0	\$0	\$0	\$0	\$0

*Amounts in thousands of dollars

Operation & Maintenance Impacts	Charleston County will not own or operate this facility. There will be no operating or maintenance costs associated with this project.
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Capital Projects - General

Trident Nursing & Science Building



Trident Nursing & Science Building

(Photo from Journal of the American Institute of Architects)

Project Highlights

Initiative: Service Delivery

Function: Education

Type: New

Management: Trident Technical College

Duration: 2012-2017

Total Project Cost:
\$18,000,000

DESCRIPTION

This project constructed an approximate 90,000 square foot building on the main campus of Trident Technical College. The County provided a portion of the funding required for construction. The building provides classrooms for nursing and science labs. Other classrooms and space for student study are provided. The project addresses the tri-county area's current shortage of nursing and allied health workers. The new facility was unveiled during FY 2015. Charleston County fulfills its final portion of the funding during FY 2017.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$16,899	\$1,101	\$0	\$0	\$0	\$0	\$0	\$18,000

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Existing Bond Issues	\$18,000	\$0	\$0	\$0	\$0	\$0	\$0	\$18,000
GRAND TOTAL	\$18,000	\$0	\$0	\$0	\$0	\$0	\$0	\$18,000

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	0	0	0	0
Grand Total	\$0	\$0	\$0	\$0	\$0

**Amounts in thousands of dollars*

Operation & Maintenance Impacts	<i>Charleston County will not own or operate this facility. There will be no operating or maintenance costs associated with this project.</i>
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Capital Projects – Environmental Mgmt.

Environmental Management Capital Improvement Plan

The Environmental Management Department's Five Year Capital Improvement Plan provides long-range plans to dispose of the County's waste stream. The five-year capital improvement plan provides a structured approach to support these goals.

Environmental Management Project Cost Summary *

Project Title	Prior	2017	2018	2019	2020	2021	Beyond	Project Total
Public Works								
Bee's Ferry Landfill Cell - Cell 4	\$ 4,830	\$ 1,570	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,400
Bee's Ferry Landfill Cell - Cell 5	-	-	-	-	9,000	-	-	9,000
Bee's Ferry Landfill-Leachate	-	200	-	-	-	-	-	200
Compost Building	-	-	-	350	-	-	-	350
Household Haz. Waste Facility	-	-	-	1,000	-	-	-	1,000
Materials Recovery Facility	3,922	26,078	2,000	-	-	-	-	32,000
GRAND TOTAL	\$ 8,752	\$ 27,848	\$ 2,000	\$ 1,350	\$ 9,000	\$ -	\$ -	\$ 48,950

* Amounts in thousands of dollars



Capital Projects – Environmental Mgmt.

Financing the CIP

The funding for this plan will come from the use of existing funds. Environmental Management intends to fund the projects with future revenues if necessary.

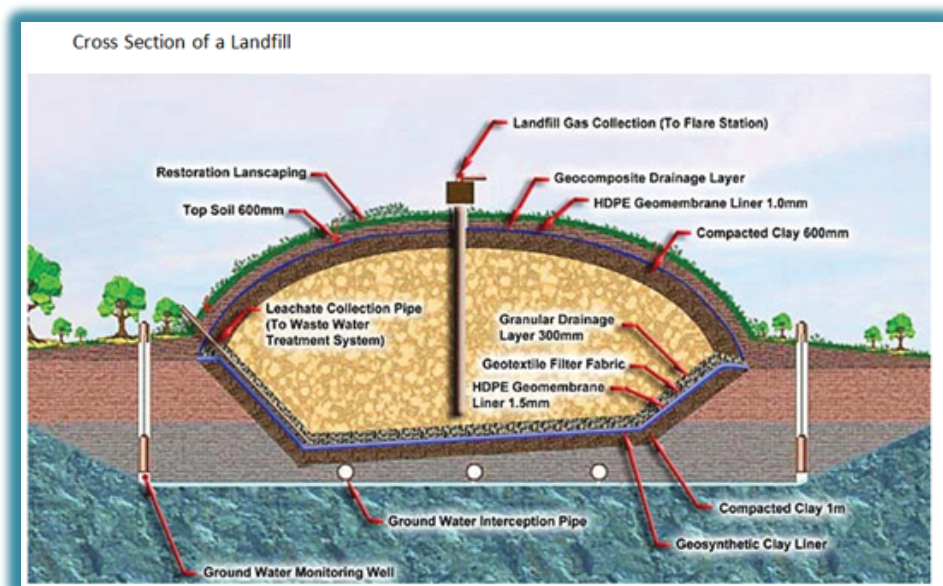
Environmental Management Source Summary *

Funding Source	Prior	2017	2018	2019	2020	2021	Beyond	Total
Existing Funds	\$ 39,950	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 39,950
Future Sources	-	-	-	-	9,000	-	-	9,000
GRAND TOTAL	\$ 39,950	\$ -	\$ -	\$ -	\$ 9,000	\$ -	\$ -	\$ 48,950

* Amounts in thousands of dollars

Impact on the Operating Budget

Environmental Management expects additional utilities and maintenance costs associated with the new and expanded facilities in the current CIP.



Capital Projects – Environmental Mgmt.

Bee's Ferry Landfill – Cells 4 and 5

New Cell 4 being prepared for solid waste



Project Highlights

Initiative: Service Delivery

Function: Public Works

Type: New

Management: Environmental Management

Duration: 2014-2020

Total Project Cost:
\$15,400,000

DESCRIPTION

The current municipal solid waste landfill cell was approaching full capacity in FY 2016 while construction on Cell 4 began. Construction of Cell 4 was completed and became operational in January of 2016. Funding supported design and construction of Cell 4. Cell 4 is projected to be near capacity in 2020. Cell 5 will need to be constructed and operational prior to FY 2021. Funding will support the design and construction of Cell 5.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$4,830	\$1,570	\$0	\$0	\$9,000	\$0	\$0	\$15,400

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Existing Funds	\$4,830	\$1,770	\$0	\$0	\$0	\$0	\$0	\$6,600
Future Sources	0	0	0	0	9,000	0	0	9,000
GRAND TOTAL	\$4,830	\$1,770	\$0	\$0	\$9,000	\$0	\$0	\$15,600

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	0	0	0	0
Grand Total	\$0	\$0	\$0	\$0	\$0

**Amounts in thousands of dollars*

Operation & Maintenance Impacts	<p><i>There are no immediate additional operating or maintenance costs or savings due to this project. However, there are substantial costs related to constructing the final cover and post-closure care when all of the lined landfill cells are closed. In accordance with governmental accounting standards, the County records a proportion of the estimated \$22 million in closure costs as the landfill is utilized.</i></p>
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Capital Projects – Environmental Mgmt.

Bee's Ferry Landfill – Leachate Sewer Line

Ditch being dug for water drainage and placement of sewer line near Bees Ferry Landfill



Project Highlights

Initiative: Service Delivery

Function: Public Works

Type: New

Management: Environmental Management

Duration: 2017

Total Project Cost:
\$200,000

DESCRIPTION

This project funds the County portion of a joint project with Charleston Water Systems to construct a sewer line for use by The Bee's Ferry Landfill and surrounding development.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$0	\$200	\$0	\$0	\$0	\$0	\$0	\$200

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Existing Funds	\$0	\$200	\$0	\$0	\$0	\$0	\$0	\$200
GRAND TOTAL	\$0	\$200	\$0	\$0	\$0	\$0	\$0	\$200

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	(30)	(31)	(32)	(32)
Grand Total	\$0	(\$30)	(\$31)	(\$32)	(\$32)

**Amounts in thousands of dollars*

Operation & Maintenance Impacts	<i>Operating savings are estimated to begin during FY 2018 and are related to savings from hooking up directly to a sewer line and thereby avoiding transportation costs.</i>
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Capital Projects – Environmental Mgmt.

Compost Building

Finished compost produced at the Bee's Ferry landfill site.



Project Highlights

Initiative: Service Delivery

Function: Public Works

Type: New

Management: Environmental Management

Duration: 2019

Total Project Cost:
\$350,000

DESCRIPTION

The Compost facility accepts food waste as part of a pilot program. The food waste is currently mixed with wood chips in an open environment. A new building is required to mix materials if the compost facility and program are expanded permanently to accept other organic feedstocks. Funds will support design and construction costs. The project was originally scheduled for fiscal year 2016, but has been delayed until completion of the Materials Recovery Facility.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$0	\$0	\$0	\$350	\$0	\$0	\$0	\$350

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Existing Funds	\$0	\$0	\$0	\$350	\$0	\$0	\$0	\$350
GRAND TOTAL	\$0	\$0	\$0	\$350	\$0	\$0	\$0	\$350

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	0	0	26	27
Grand Total	\$0	\$0	\$0	\$26	\$27

**Amounts in thousands of dollars*

Operation & Maintenance Impacts

This is a new facility so there will be additional utility and maintenance cost at the Compost site. It is anticipated that this will enable the County to produce a high-grade compost product that could add to the revenue stream.

Capital Projects – Environmental Mgmt.

Household Hazardous Waste Facility

County employee
participating in hazardous
materials training



Project Highlights

Initiative: Service Delivery

Function: Public Works

Type: Replacement

Management: Environmental
Management

Duration: 2017

**Total Project Cost:
\$1,000,000**

DESCRIPTION

A replacement facility is required to process discarded electronics, paints and other chemicals for proper disposal. The current facility consists of numerous buildings and sheds housing different elements of the operation. This facility will consolidate most of the operation under one roof. Funds will support design and construction costs.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$1,000

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Existing Funds	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$1,000
GRAND TOTAL	\$0	\$0	\$0	\$1,000	\$0	\$0	\$0	\$1,000

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	0	0	26	27
Grand Total	\$0	\$0	\$0	\$26	\$27

*Amounts in thousands
of dollars

Operation & Maintenance Impacts	<i>This is a larger replacement facility so there will be additional utility and maintenance costs.</i>
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Capital Projects – Environmental Mgmt.

Materials Recovery Facility

Conceptual exterior rendering of new facility near Palmetto Commerce Parkway in North Charleston, SC



Project Highlights

Initiative: Service Delivery

Function: Public Works

Type: Replacement

Management: Facilities Management

Duration: 2015-2018

Total Project Cost:
\$32,000,000

DESCRIPTION

The Materials Recovery Facility at 13 Romney Street in Downtown Charleston is over 20 years old, utilizes outdated equipment and has limited acreage for program expansion. Funding will support the acquisition of a new location and the construction of a new processing facility, including the associated equipment. To date, approximately \$4 million was spent on the acquisition of land and the construction of an access road.

EXPENDITURES	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
	\$3,922	\$26,078	\$2,000	\$0	\$0	\$0	\$0	\$32,000

FUNDING SOURCE	PRIOR	2017	2018	2019	2020	2021	BEYOND	TOTAL
Existing Funds	\$3,922	\$26,078	\$2,000	\$0	\$0	\$0	\$0	\$32,000
GRAND TOTAL	\$3,922	\$26,078	\$2,000	\$0	\$0	\$0	\$0	\$32,000

O&M Costs (Savings)	2017	2018	2019	2020	2021
Personnel	\$0	\$0	\$0	\$0	\$0
Operating	0	125	125	128	130
Grand Total	\$0	\$125	\$125	\$128	\$130

**Amounts in thousands of dollars*

Operation & Maintenance Impacts	<i>This is a larger replacement facility so there will be additional utility and maintenance costs.</i>
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Capital Projects – Transportation Sales Tax

Overview of the Transportation Sales Tax

The Transportation Sales Tax program was developed after the voters of Charleston County passed a referendum in November 2004 to provide specific additional tax funds for road, mass transit and green space projects. The Greenbelt Department manages the green space portion of the Half Cent Sales Tax program and implements the Comprehensive Greenbelt Plan through the Urban and Rural Grants Program. The Transportation Development Department manages the transportation project portion of the Half Cent Sales Tax program. Charleston County allocates funds to the Charleston Area Regional Transportation Authority (CARTA), Tri-County Link and the Senior Ride Connections to provide mass transit solutions to the urban and rural areas of the County.

Collection of the Transportation Sales Tax funds began in May 2005, and will continue for 25 years or until \$1.3 billion is collected for transportation, transit, and green space. County Council approves a Comprehensive Plan of Expenditures (five-year plan) for the Transportation Sales Tax fund each year in June. The FY 2017 – FY 2021 plan includes the capital projects projections for two components of the Transportation Sales Tax: roads and green space. The County allocates funds to CARTA, Link, and Senior Ride to address mass transit in accordance with the referendum. The County does not track any capital projects for mass transit.

Transportation Sales Tax Project Cost Summary *

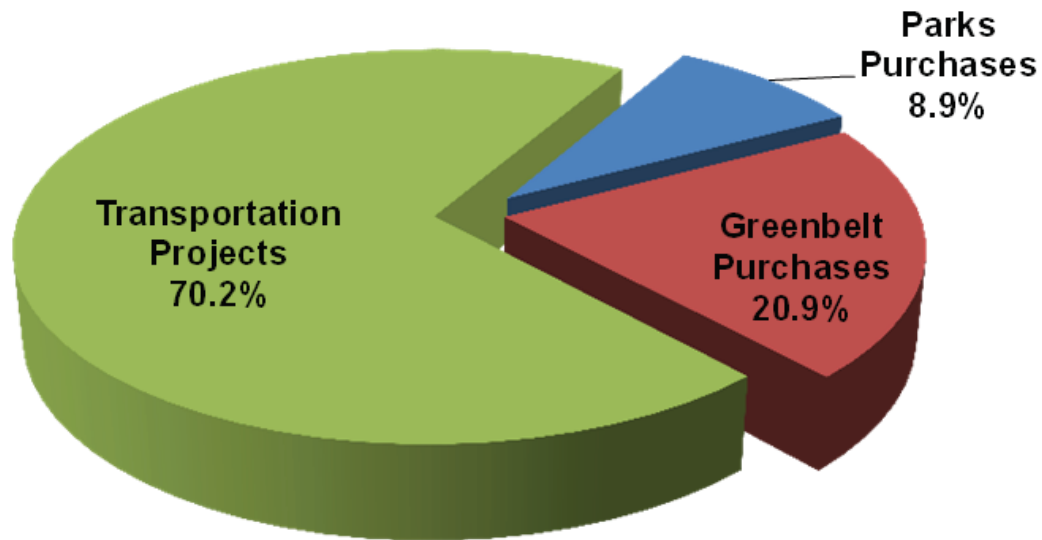
Project Title	Prior	2017	2018	2019	2020	2021	Beyond	Project Total
Public Works								
Parks Purchases	\$ 36,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,000
Greenbelt Purchases	85,000	-	-	-	-	-	-	85,000
Transportation Projects	248,100	30,200	6,700	-	-	-	-	285,000
GRAND TOTAL	\$369,100	\$30,200	\$ 6,700	\$ -	\$ -	\$ -	\$ -	\$406,000

* Amounts in thousands of dollars

The total cost of the FY 2017 – FY 2021 comprehensive plan of capital expenditures in transportation sales tax program total \$406.0 million. Projects funded through the four bond issuances are included in the cost summary.

Capital Projects – Transportation Sales Tax

Comprehensive Plan of Expenditures (Capital) for Transportation Sales Tax for FY 2017-2021



Grand Total \$406,000,000

Financing the CIP

The capital portion of the Comprehensive Plan of Expenditures is funded through existing bonds and intergovernmental funds. The County issued bonds in 2006, 2007, 2009, and 2011 as approved through referendums in 2004 and in 2006.

Transportation Sales Tax Source Summary *

Funding Source	Prior	2017	2018	2019	2020	2021	Beyond	Total
SCDOT/CHATS/Earmark	\$ 11,500	\$ 12,300	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ 24,000
Existing Bond Funds	382,000	-	-	-	-	-	-	382,000
GRAND TOTAL	\$ 393,500	\$12,300	\$ 200	\$ -	\$ -	\$ -	\$ -	\$406,000

* Amounts in thousands of dollars

The intergovernmental funding includes federal grants, state grants and municipal contributions. Since the intergovernmental funds are project specific, they are not included in capital funding plans until secured by an actual agreement with the entity that is providing them. Depending on how the agreement is structured and which entity is managing the project, project funds that become available through partnerships with municipalities are disbursed to or are collected from the municipality by Charleston County.

Capital Projects – Transportation Sales Tax

The following sections of the Capital Projects: Transportation Sales Tax includes detailed discussion of the Transportation Sales Tax: Roads and Transportation Sales Tax: Greenbelt programs.

Transportation Sales Tax: Roads Program

Charleston County Council appointed a Transportation Advisory Board to review recommendations on sales tax expenditures for transportation projects and to receive public input. This Board comments on spending over \$1 billion over the course of 25 years towards highways, bridges, roads, drainage projects, and for mass transit systems. The Board consists of 14 members selected by Charleston County Council and the elected Councils of each of the three major municipalities in Charleston County (Charleston, Mount Pleasant and North Charleston). The Board prepares, and delivers to County Council, findings, recommendations, and comments on the Comprehensive Transportation Plan developed by a private consultant.

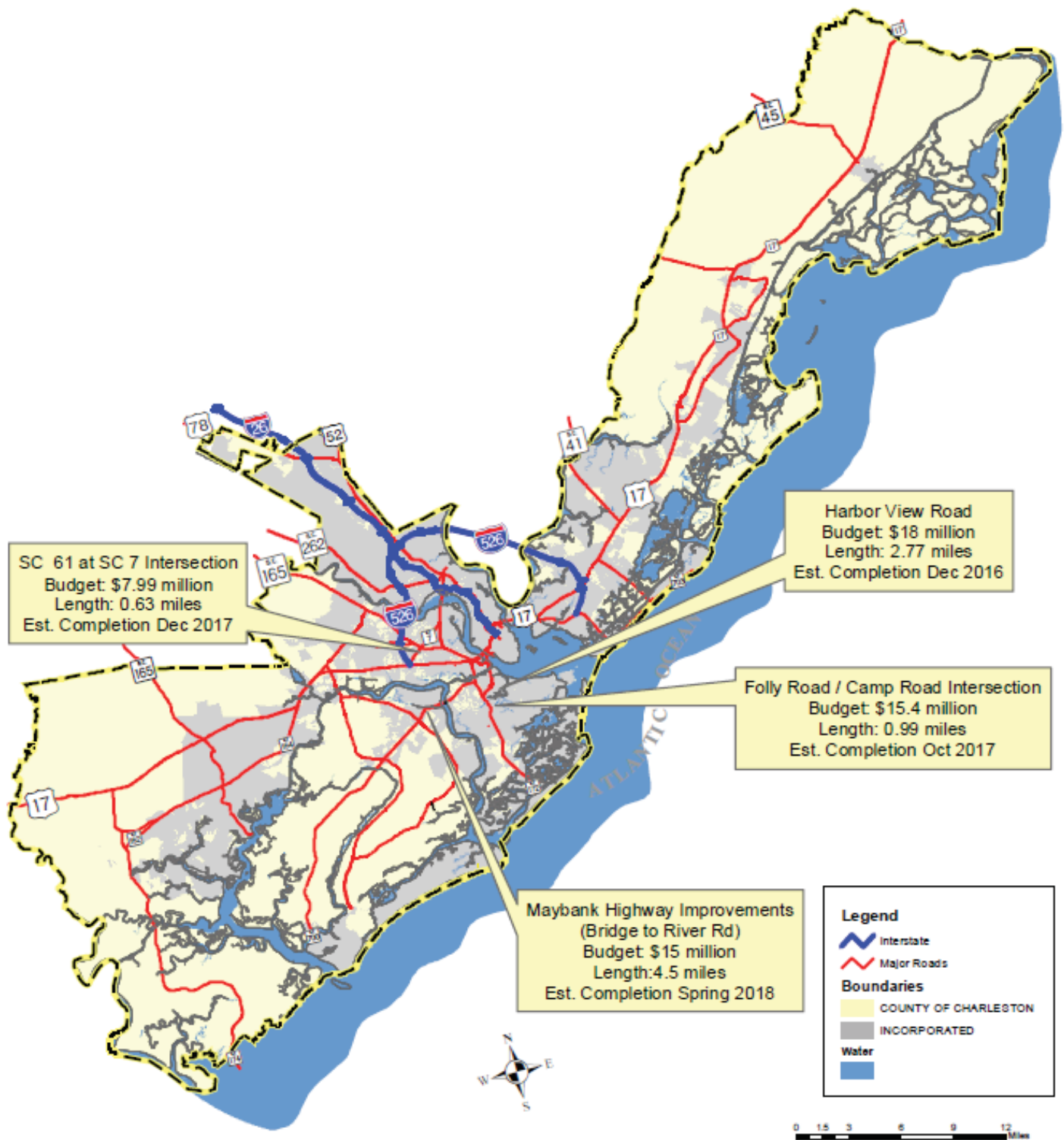
The Comprehensive Transportation Plan consists of two types of projects, Allocation and Bonded. The Allocation projects generally fall within the areas of resurfacing, small paving, bike and pedestrian, and drainage improvements as well as an annual contribution to the Charleston County Public Works Department. Selection is based on several criteria including, but not limited to, current road condition, community need, and expected future traffic improvements. The Allocation projects are included in the operating portion of the Comprehensive Plan of Expenditures.

In addition, there are several large-scale projects, referred to as Bonded projects, that are funded through bond funds approved by referendums passed in 2004 and 2006. The bond funds provided immediate funds for use on the larger projects to be repaid through future half-cent sales tax revenues. The Bonded projects are included in the capital portion of the Comprehensive Plan of Expenditures.

The following map provides a project outline of five major transportation projects that are in progress during FY 2017. The map highlights the location, the budget, the length of the road and the estimated completion date.

Capital Projects – Transportation Sales Tax

Transportation Sales Tax FY 2017 Major Projects



Capital Projects – Transportation Sales Tax

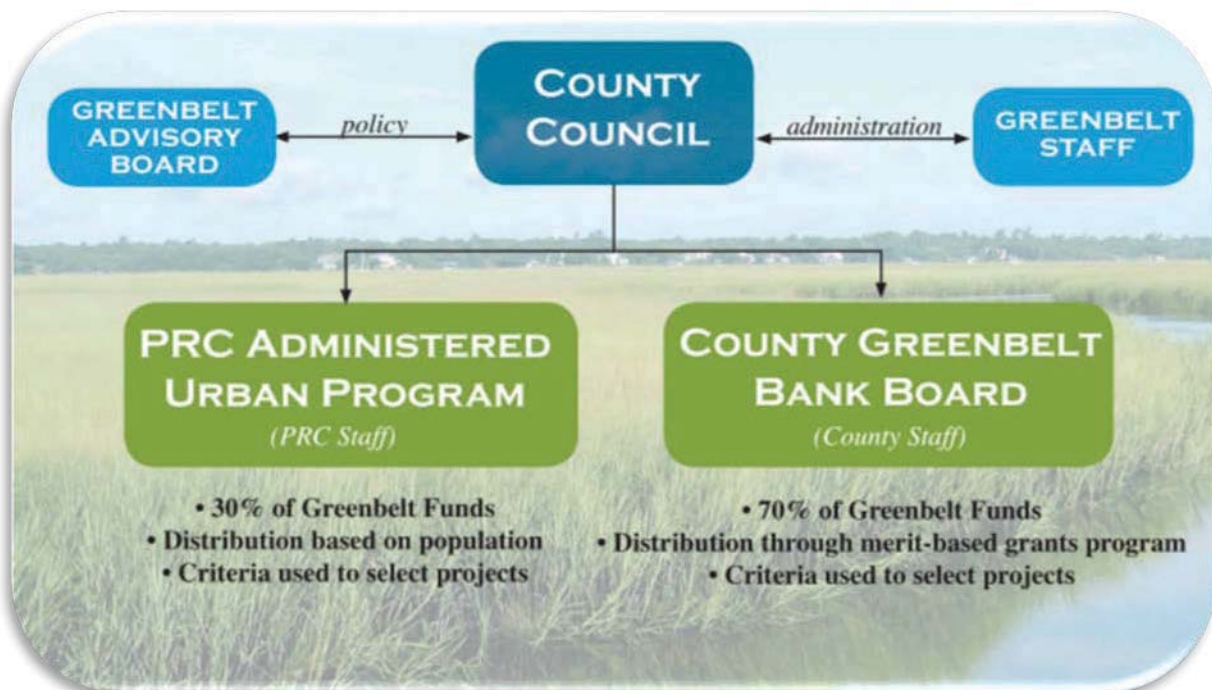
Impact on the Operating Budget

Charleston County expects the impact on the operating funds associated with the capital portion of the Transportation Sales Tax Comprehensive Plan of Expenditures for the roads program to be minimal. The majority of the funds is utilized for infrastructure repairs and improvements. There is a significant savings to the County's General Fund due to this program's existence.

Transportation Sales Tax: Greenbelt Program

The capital portion of the Greenbelt program is funded from existing bond issues and is administered by the Greenbelt Programs Department.

The Greenbelt Advisory Board was established by Charleston County Council to make recommendations on the greenbelt portion of the Transportation Sales Tax. The initial role of the Board was to prepare and deliver recommendations and comments on the Comprehensive Greenbelt Plan, which was adopted by County Council on June 6, 2006. The Board continues to garner public input while advocating for the implementation of the Greenbelt Plan. The Greenbelt Advisory Board consists of 14 members as follows: nine members appointed by County Council; one member, each, appointed by Charleston City Council, North Charleston City Council, Mount Pleasant Town Council; one member appointed by the County Council Chair from the unincorporated area of the Southern portion of the County; and one member appointed by the County Council Chair from the unincorporated area of the Northern portion of the County. The Greenbelt Advisory Board performs periodic reviews of the Greenbelt Plan and provides policy recommendations to County Council.



Capital Projects – Transportation Sales Tax

Rural Greenbelt Program

The Greenbelt Bank Board was established by Charleston County Council to address the loss of green space and promote balanced growth throughout the rural areas of the county. Through funding the acquisition of interest in real property from willing sellers; wildlife habitats, outstanding natural areas, sites of unique ecological significance, historical sites, forestlands, farmlands, watersheds, open space, and rural parklands will be preserved. The Greenbelt Bank Board consists of nine members appointed by Charleston County Council.

Urban Greenbelt Program

The Urban Grants Review Committee makes recommendations on funding urban projects and forwards them to the Charleston County Parks and Recreation Commission for review. The Commission forwards the recommendations to County Council for consideration.

The diagram below highlights the accomplishments of the Greenbelt Program.



Capital Projects – Transportation Sales Tax

Impact on the Operating Budget

Although entities receiving the greenbelt funds are responsible for operating and maintaining the purchased or developed property, the County is responsible for monitoring the properties. The monitoring cost is funded from the Transportation Sales Tax and is included in the operating portion of the Comprehensive Plan of Expenditures and in the FY 2017 Greenbelt Programs budget.