

CAPITAL IMPROVEMENT
PROGRAM
FOR THE
CITY OF ALBEMARLE



ALBEMARLE
NORTH CAROLINA
Water. Air. Land. Opportunity.

FISCAL YEARS 2021 – 2025
(July 1, 2020 to June 30, 2025)

Adopted
May 4, 2020

CAPITAL IMPROVEMENT PROGRAM (CIP): AN INTRODUCTION

What is the Capital Improvement Program?

The City of Albemarle's Capital Improvement Program (CIP) is a planning and budgeting tool that provides detailed information about the City's capital needs over a five-year time frame. The five years of the CIP outlines the capital projects proposed for implementation along with their estimated costs; however, the CIP is designed to be a flexible planning tool for the City of Albemarle. Each year, the list of projects is reviewed for need, cost, and priority. Projects may be added, deleted, delayed, accelerated or new projects may be inserted. City staff will provide recommendations regarding the alteration of the desired timetables of projects with the ultimate responsibility for approval and implementation resting with City Council. In this regard, the Capital Improvement Budget process flows very similarly to the adoption of the City's operating budget.

Generally, capital improvements are defined as physical assets, constructed or purchased, that have a useful life of 5 years or greater and a cost of \$75,000 or more. Examples of projects that meet this definition of a capital improvement are:

1. New and expanded facilities.
2. Large scale rehabilitation or replacement of existing facilities.
3. Equipment for any public facility or improvement when first constructed or acquired.
4. The cost of engineering or architectural studies and services relative to the improvement.
5. The acquisition of land for a community facility such as a park, road, sewer line, etc.
6. Purchase of vehicles or equipment, when it has an expected useful life of 5 years or more and a cost of \$75,000 or greater.

Benefits of a Capital Improvement Program and Capital Spending

A CIP is a financial planning and growth management instrument. A well-developed CIP will allow the City of Albemarle to forecast trends and capital needs. Through the use of the CIP, the City will be able to successfully plan for and address infrastructure needs. Due to the cost associated with capital projects, organizations are often not prepared to deal with capital requirements in the most efficient manner, with emergency needs frequently being the determining factor on assigning capital priorities. Clearly, a reactionary approach to expenditures and investments of this size is neither desirable nor the best way to address a significant aspect of the City's future. Other benefits of a CIP include:

1. Planning for the repair, replacement, and acquisition of capital items.
2. Assisting with financial planning by forecasting capital needs with future revenues and expenditures.
3. Ensuring better coordination and evaluation of community needs.
4. Serving as a guide for the Mayor, City Council and City staff in decision-making.
5. Meeting the prerequisite in eligibility to apply and receive many different grants.

The City of Albemarle continues to operate in a very fiscally conservative atmosphere. All expenditures involve some form of public money, and the City Council and staff are cognizant of our limited resources. In this type of fiscal environment, the City must strive to be as efficient as possible to continue to provide a high level of services at reasonable tax and utility rates to our citizens. While capital projects and outlays are large expenditure items, they can assist in reducing costs and enhance an organization's availability to provide efficient service. Examples of these benefits include:

1. Reduced maintenance costs.
2. Reduced down time.
3. More efficient methods and procedures.
4. Enhanced safety.
5. Address the needs of the public.

Capital Outlays and Capital Projects

CAPITAL OUTLAYS

“Capital outlays”, which are budgeted within the City’s operating budget, include moderate expenditures for such things as furniture, vehicles, equipment needed to support the operation of the City’s programs, minor construction projects, landscaping projects, and facility repairs. Generally, a capital outlay item is defined as an item valued between \$5,000 and \$74,999 with a life expectancy of less than five (5) years.

CAPITAL PROJECTS

“Capital projects” generally include major fixed assets or infrastructure with long-term values, such as buildings, roads, bridges, and parks, and may involve some form of debt financing. Capital project costs also include all expenditures related to the planning, design, construction, and equipment necessary to bring a facility on line or part of a larger project. These costs should be fully identified and noted in the CIP. For example, the repair or replacement of bleachers, backstop, batting cages and lighting at the Montgomery Park could comprise a capital project for the renovation of the facility, even though individually the specific items would not.

Why have a Capital Improvement Program?

The Capital Improvement Program provides information on the current and long-range infrastructure and equipment requirements of the City. It is a mechanism for balancing needs and resources and for setting priorities and schedules for capital projects. It is based on needs identified through the planning process, requests and recommendations of the City Manager, City Departments, and from the input of citizens and elected officials.

Because the CIP identifies the capital needs of the City for the next five years, it also includes identification of the revenue sources that will be utilized to fund Capital Improvements. Projects may be funded in many different ways (e.g., current revenues, grants, government loans, debt financing, bonds, etc.) depending on the availability of funds, the nature of the project, and the policies of Council.

The CIP combines all of the individual Departmental needs and coordinates them within the context of the needs of the City of Albemarle as a whole. While the CIP outlines exactly what each Department sees as its future needs and prioritizes them within the Department, it also allows the City Council to weigh the needs and goals of all Departments simultaneously to make decisions for the entire City. In this process, the overall good or benefit of a project must be weighed against requested projects of other functional areas, particularly those competing for the same funding resources. Because funding for projects is limited and competitive, decisions should be made in the context of overall City needs. The CIP and its process facilitate City-wide planning and informed decision-making. Identification of projects assures needed projects are being addressed while prioritization ensures that those projects which are most urgently needed are funded first.

Why a Separate Capital Project Budget?

The five-year Capital Improvement Budget lays out planned capital expenditures over this time period. Funds identified through the CIP for a specific project remain with that project until the project is completed, while the operating budget “terminates” at the end of each fiscal year. This allows anyone reviewing the CIP to view the identified funding source for multi-year projects. In addition, expenditures typically found in the operating budget are more routine in nature. Salaries, insurance, postage, small tools and equipment, etc. are reoccurring costs that must be borne by the operating budget each year. With slight annual adjustments, expenditures for these items are more stable.

In contrast, the needs identified in the CIP are non-recurring in nature and are not the routine expenditures incurred by the City that provide for the day to day operation of the City. Funds for capital items are typically only appropriated once the necessary items in the operating budget have been provided. With a minimum cost of \$75,000, it is also beneficial to the City to separate capital from operating expenditures and provide for

greater explanation and detail of the requests for individual capital items (which are non-routine and where more discretion and flexibility can be utilized).

How Are Projects Prioritized?

Similarly to the operating budget, each Department prepares annually and prioritizes their capital needs. Departmental requests are combined and presented to the City Council for review. City Council is responsible for discussing, selecting, and prioritizing the capital requests. City Council has complete discretion for the prioritization of projects and the Capital Improvements Budget and Program. Therefore, it may also include projects originating from the request of the City Council. When all requests for capital project funding is complete, priority is given to projects needed to meet the goals and policies as defined by the City. Understanding and prioritizing City goals is necessary to allocate the limited revenue sources to projects each year.

Since enterprise activities such as the operations of the Public Utilities Department and the City of Albemarle Landfill have their own funding sources, they do not compete with projects in other City funds for funding. Various operations generate their own revenue to maintain operations and do not rely on funds from any other City source or operation. This is also the standard operating procedure in the development of the City annual operating budget and is based upon the fundamentals of fund accounting.

How Are Project Costs Determined?

Providing the most accurate cost estimate possible is a crucial step in this process. It may well prove difficult to develop accurate scopes, cost estimates, and schedules for projects on which no preliminary engineering or other work has been done. For projects identified as five years out in the CIP, this type of work may prove to be impractical as there is no guarantee a project will ever come to fruition. Each year, the CIP should be adjusted as project costs become more firmly known. As staff gains experience with the process and the anticipated implementation date draws closer, the information provided will be complete and accurate.

Individual project costs within the CIP should include all costs related to design, acquisition, construction, project management, equipment, legal expenses, mitigation of damages, title costs, and other land related costs (e.g., computer lines, telephone lines, etc.) when such information is available. The purpose of a CIP is to project the complete cost of a project and all its components.

How Are Financing Decisions Made?

Financing decisions are made based on established City policies, practices and available funding options. The most obvious option is to use current resources such as current revenues, fund balance, and retained earnings; however, financing options must be explored from time to time in order to meet all of the goals and objectives of the City. These options are directly related to project timing and choice of revenue sources. The City of Albemarle staff has and will continue to make recommendations to City Council concerning the feasibility of funding each project and on the potential sources of funding for each proposed project.

While some projects can be delayed until funds from existing revenues are available, others cannot. If this situation was to arise, the City must investigate other options such as grants, user fees, bonds, capital leases and loans and increased taxes. Again, Council will have to weigh the needs and desire for projects against the financial impact and revenue sources to fund requests. Staff will play a vital role in assisting City Council with these issues.

SUMMARY

The Capital Improvement Program represents the mutual efforts of all City Departments, the Mayor, and City Council to meet the infrastructure and service needs to serve City residents and visitors. The guidelines of this document provide a basis for the conception and preparation of the City's Capital Improvement Program. Following the guidelines of the CIP is designed to result in improved coordination of City activities and expenditures, to responsibly allocate limited City resources and to properly plan for large-scale needs of the City of Albemarle.



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT:	ADMINISTRATION
FUND:	General Fund

PROJECT TITLE:	Streetscape Implementation	PRIORITY:	1
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PURPOSE:	Expand
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PROJECT DESCRIPTION

Implementation of long term goals within Streetscape Master Plan

JUSTIFICATION

The City's Streetscape Master Plan was adopted in 2016; implementation that remains includes adding historic street signs and blades to existing traffic bar signals; new posts; retrofitting lamp posts; painted sharrows; urban core streetscapes; self-watering planters; curb extensions; transit shelters; street tree and tree pit retrofits; alleyscapes; wayfinding and downtown gateways.

CAPITAL COST PER YEAR		CAPITAL COST BREAKDOWN		
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CAPITAL COST PER YEAR		CAPITAL COST BREAKDOWN		
COMMITTED PRIOR TO FY 19-20	\$ 189,340	PLANNING, DESIGN, AND ENGINEERING	\$ 20,000	CURRENT REVENUE
FY 2020-21	\$ 190,000	PURCHASE	\$ 100,000	
FY 2021-22	\$ 202,000			
FY 2022-23	\$ 202,000	CONSTRUCTION	\$ 20,000	CURRENT REVENUE
FY 2023-24	\$ 1,387,250			
FY 2024-25	\$ 1,237,250			
FUTURE YEARS	\$ -	MISCELLANEOUS	\$ 50,000	
TOTAL	\$ 3,407,840	OTHER:		
		OTHER:		
		OTHER:		
		TOTAL	\$ 190,000	

DESCRIPTION OF SOURCE ESTIMATE:

REQUESTED BY: Nyki Hardy **DATE:** 9/15/2019
 Department Head



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: ECONOMIC DEVELOPMENT		
FUND: General Fund		
PROJECT TITLE:	Albemarle Business Center	
PRIORITY:	1	
PURPOSE:	Attract and Retain Industry and Business to Albemarle	
PROJECT DESCRIPTION		
Install infrastructure including water, sewer, and electric lines; roads, sidewalks and lighting; conduit; landscaping; spec buildings; and shovel ready sites in the 282 acre Albemarle Business Center.		
JUSTIFICATION		
Need to ensure the growth of higher paying jobs, tax base, and utility sales for the City of Albemarle. The City does not have physical capital in terms of buildable sites and buildings that are suitable for modern manufacturing needs. No other resources exist to accomplish this.		
CAPITAL COST PER YEAR		
COMMITTED PRIOR TO FY 19-20	\$ 213,985	
FY 2020-21	\$ 5,032,720	
FY 2021-22	\$ 5,812,953	
FY 2022-23	\$ 1,325,631	
FY 2023-24	\$ 910,659	
FY 2024-25	\$ 752,182	
FUTURE YEARS	\$ 590,339	
TOTAL	\$ 14,638,469	
CAPITAL COST BREAKDOWN		
PLANNING, DESIGN, AND ENGINEERING	\$ 213,985	CURRENT REVENUE
PURCHASE	\$ 1,875,000	OTHER
CONSTRUCTION	\$ 13,427,678	CURRENT REVENUE
MISCELLANEOUS		
OTHER:		
OTHER:		
OTHER:		
TOTAL	\$	15,516,663
DESCRIPTION OF SOURCE ESTIMATE:		

REQUESTED BY: Mark Donham
Department Head

DATE: 9/20/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: FIRE	
FUND: General Fund	
PROJECT TITLE:	Engine 121
PURPOSE:	Replace
PRIORITY:	1
PROJECT DESCRIPTION	
This proposal includes purchasing a 2020 Engine to replace the 2006 E-One Engine 121 (F722) that is in primary service at fire station #2. The 2006 engine will be moved to reserve status.	
JUSTIFICATION	
To meet community risks, maximize fire fighter capabilities, minimize risk of injuries to fire department personnel and the public, and meet Insurance Services Office (ISO) apparatus requirements, the Albemarle Fire Department maintains three first-line engines, one reserve engine, a ladder truck, a command vehicle (Battalion Chief), and several utility staff vehicles.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 131,000
FY 2021-22	\$ 131,000
FY 2022-23	\$ 131,000
FY 2023-24	\$ 131,000
FY 2024-25	\$ 131,000
FUTURE YEARS	
TOTAL	\$ 655,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 655,000
LEASE PURCHASE	
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 655,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Ernie Hiers
Interim Department Head

DATE: 10/11/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: Fire	
FUND: General Fund	
PROJECT TITLE:	Renovate Fire Stations
PRIORITY:	2
PURPOSE:	Renovate
PROJECT DESCRIPTION	
Renovate Fire Stations One, Two and Three	
JUSTIFICATION	
<p>These three renovation projects fall into the second half of the CIP. Due to the age of these facilities they will need renovation to ensure they are maintained in a condition to house firefighters. As these renovations draw closer, further evaluation should occur to determine the exact project size and scope. The ceiling apparatus in Fire station #1 is flaking and requires a fresh coat of paint. This renovation project would include scraping the existing surface, applying a primer coat and then applying two top coats of paint. Renovations are necessary for Fire Station #2 in the areas of the kitchen, living area and sleeping area. These areas were aging and lack the proper square foot and required safety systems (fire sprinklers, fire alarm, and CO alarm) to function properly as a facility occupied by a full-time career fire department. Fire station #3 needs safety systems to protect the firefighters that occupy the fire station. This station lacks any safety systems (fire sprinklers, fire alarm, CO alarm).</p>	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	
FY 2021-22	
FY 2022-23	\$ 50,000
FY 2023-24	\$ 520,000
FY 2024-25	
FUTURE YEARS	
TOTAL	\$ 570,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	\$ 57,000
PURCHASE	
CONSTRUCTION	\$ 513,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 570,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Ernie Hiers
Interim Department Head

DATE: 10/11/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: FIRE			
FUND: General Fund			
PROJECT TITLE:	Rescue Apparatus	PRIORITY:	3
PURPOSE:	Purchase		
PROJECT DESCRIPTION			
Acquire a used Rescue Apparatus to transport rescue resources and equipment to emergency scenes freeing up space on existing engines and ladder.			
JUSTIFICATION			
As the City continues to expand with new industries, purchasing a used rescue apparatus to hold specialized rescue equipment will free space on existing apparatus. With the purchase of this used rescue apparatus, the rescue equipment will be readily available and can be used to respond to scenes in lieu of the department's ladder truck. This reduces the wear and tear on the most expensive apparatus in the department.			
CAPITAL COST PER YEAR		CAPITAL COST BREAKDOWN	
COMMITTED PRIOR TO FY 19-20	\$ -	PLANNING, DESIGN, AND ENGINEERING	
FY 2020-21		PURCHASE	\$ 710,000 LEASE PURCHASE
FY 2021-22			
FY 2022-23		CONSTRUCTION	
FY 2023-24			
FY 2024-25	\$ 142,000	MISCELLANEOUS	
FUTURE YEARS	\$ 568,000		
TOTAL	\$ 710,000	OTHER:	
		OTHER:	
		OTHER:	
		TOTAL	\$ 710,000
DESCRIPTION OF SOURCE ESTIMATE:			

REQUESTED BY:

Ernie Hiers
Interim Department Head

DATE:

10/11/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: FIRE	
FUND: General Fund	
PROJECT TITLE:	Ladder 11
PRIORITY:	TBD
PURPOSE:	Renovate/Replace
PROJECT DESCRIPTION	
This apparatus will be a ladder truck or tower ladder with a minimum aerial height of 95 feet. This apparatus will carry specialized equipment to perform operations typically carried out on the fireground by a ladder company	
JUSTIFICATION	
This CIP request will be evaluated by the permanent fire chief once hired. Based on what we have learned from current AFD personnel and other fire departments, a 95 ft. ladder truck may not be needed for our community. Before we commit \$1.25M to a piece of equipment that will not see much use, we need to determine if this is an absolute need.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	
FY 2021-22	
FY 2022-23	
FY 2023-24	
FY 2024-25	
FUTURE YEARS	\$ 1,250,000
TOTAL	\$ 1,250,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 1,250,000
LEASE PURCHASE	
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 1,250,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Michael Ferris
Department Head

DATE: 9/20/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC HOUSING	
FUND: Public Housing	
PROJECT TITLE:	Architecture and Engineering Services
PRIORITY:	1
PURPOSE:	Mandated
PROJECT DESCRIPTION	
Architecture Services for HUD Capital Fund Grant Projects	
JUSTIFICATION	
For preparation of contracts, plans specifications, construction inspections, and HUD reports.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ 31,500
FY 2020-21	\$ 31,500
FY 2021-22	\$ 31,500
FY 2022-23	\$ 31,500
FY 2023-24	\$ 31,500
FY 2024-25	\$ 31,500
FUTURE YEARS	\$ 31,500
TOTAL	\$ 220,500
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	\$ 220,500
PURCHASE	
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 220,500
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Cedric Baldwin
Department Head

DATE: 8/20/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: Public Housing	
FUND: Public Housing	
PROJECT TITLE:	Exterior/Interior Door Replacement
PRIORITY:	2
PURPOSE:	Mondernization
PROJECT DESCRIPTION	
Replace/Refurbish Exterior and Interior doors in all apartment units	
JUSTIFICATION	
Previous REAC inspection found significant deficiencies with the interior and exterior doors in the apartment units. These deficiencies contributed to the Department receiving a substandard physical score on the PHAS assessment. To improve the PHAS scoring it is critical that this project be moved up in priority. The scope of work will include replacing all exterior doors at all units. Interior doors will be replaced as well, with the understanding that not all interior doors will need to be replaced. Those doors that would not require replacing will be refurbished. It is the expectation that these efforts will improve the Department's scoring on the upcoming REAC inspection.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ 657,689
FY 2020-21	\$ 462,927
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 1,120,616
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 1,120,616
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 1,120,616
DESCRIPTION OF SOURCE ESTIMATE:	
Stogner Architecture, PA	

REQUESTED BY: Cedric Baldwin
Department Head

DATE: 8/22/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: Public Housing	
FUND: Public Housing	
PROJECT TITLE:	General Landscaping
PRIORITY:	3
PURPOSE:	Upkeep
PROJECT DESCRIPTION	
PHA wide landscape upgrades	
JUSTIFICATION	
Modernization and upkeep of public housing property.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ 50,000
FY 2020-21	
FY 2021-22	\$ 100,000
FY 2022-23	
FY 2023-24	
FY 2024-25	
FUTURE YEARS	
TOTAL	\$ 150,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	
MISCELLANEOUS	\$ 150,000
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 150,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Cedric Baldwin
Department Head

DATE: 8/22/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: Public Housing	
FUND: Public Housing	
PROJECT TITLE:	Construction of Family Life Center
PRIORITY:	4
PURPOSE:	New Construction
PROJECT DESCRIPTION	
Modernize Family Life Center in Amhurst Gardens	
JUSTIFICATION	
Construct new building to be used for resident self-sufficiency activities, computer lab with new computers and printers, resident meetings, resident training opportunities	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ 462,927
FY 2024-25	\$ 462,927
FUTURE YEARS	\$ 74,146
TOTAL	\$ 1,000,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 1,000,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 1,000,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Cedric Baldwin
Department Head

DATE: 8/22/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT:	INFORMATION SYSTEMS
FUND:	General Fund

PROJECT TITLE:	Off-Site data backup and replication	PRIORITY:	1
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PURPOSE:	Provide the ability for scheduled replication for application and user data
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PROJECT DESCRIPTION

We currently maintain on premise recover-ability of our application services and user data. This project would provide for a secure government-approved data backup that would be at minimum 50 miles away.

JUSTIFICATION

While individual applications provide different levels of data recover-ability, there is no citywide snapshot (off site) of the City's application services and user data. In the event of an incident affecting city locations and our data center, we need the ability to recover and restore data stored off site. We currently use Unitrends Enterprise data backup solution for on-premise backups. This solution leverages that with the addition of the Unitrends' private cloud offering and an on-premise appliance that manages the backup process and access to that data. We have updated licensing and storage for our on-premise backup solution - both for capacity and to prepare for maintaining an off-site backup copy.

CAPITAL COST PER YEAR		CAPITAL COST BREAKDOWN		
COMMITTED PRIOR TO FY 19-20	\$ 20,000	PLANNING, DESIGN, AND ENGINEERING	\$ 5,000	CURRENT REVENUE
FY 2020-21	\$ 80,000	PURCHASE	\$ 75,000	CURRENT REVENUE
FY 2021-22	\$ 12,000			
FY 2022-23	\$ 12,000	CONSTRUCTION		
FY 2023-24	\$ 12,000			
FY 2024-25	\$ 12,000	MISCELLANEOUS		
FUTURE YEARS	\$ 12,000			
TOTAL	\$ 160,000	OTHER:	\$ 60,000	CURRENT REVENUE
Capital Cost Breakdown for Information Systems		OTHER:		
General Fund Percentage	\$51,200	OTHER:		
General Public Housing Percentage	\$8,000	OTHER:		
Electric Division Percentage	\$46,400	OTHER:		
Landfill Percentage	\$8,000	OTHER:		
Water and Sewer Percentage	\$46,400	TOTAL	\$ 140,000	

DESCRIPTION OF SOURCE ESTIMATE:

US-CERT-Data Backup Options

REQUESTED BY: Owen Squires
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PARKS AND RECREATION		
FUND: General Fund		
PROJECT TITLE:	Playground Improvements	
PRIORITY:	1	
PURPOSE:	Improve playgrounds in all city owned parks.	
PROJECT DESCRIPTION		
Replace damaged and antiquated equipment that can lead to increased safety hazards. Improve playground areas for children and adults to enjoy.		
JUSTIFICATION		
Playgrounds are the basis of parks & recreation profession, and require frequent maintenance and upkeep. It has been many years since playground equipment has been replaced at most park locations. During the recent NCLM safety inspection, P&R playgrounds received many citations for damaged equipment that can cause harm. In my three years as director, playground equipment and improvements has been unfunded. This is getting to be a desperate need.		
CAPITAL COST PER YEAR		
COMMITTED PRIOR TO FY 19-20	\$ -	
FY 2020-21	\$ 100,000	
FY 2021-22	\$ 25,000	
FY 2022-23	\$ -	
FY 2023-24	\$ 25,000	
FY 2024-25	\$ -	
FUTURE YEARS	\$ 25,000	
TOTAL	\$ 175,000	
CAPITAL COST BREAKDOWN		
PLANNING, DESIGN, AND ENGINEERING	\$ 20,000	CURRENT REVENUE
PURCHASE	\$ 125,000	CURRENT REVENUE
CONSTRUCTION	\$ 20,000	CURRENT REVENUE
MISCELLANEOUS	\$ 10,000	CURRENT REVENUE
OTHER:		
OTHER:		
OTHER:		
TOTAL	\$	175,000
DESCRIPTION OF SOURCE ESTIMATE:		

REQUESTED BY: Lisa Kiser
Department Head

DATE: 9/3/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PARKS AND RECREATION	
FUND: General Fund	
PROJECT TITLE:	Field Lighting Upgrade - Don Montgomery Park
PRIORITY:	2
PURPOSE:	Upgrade baseball field lighting at Don Montgomery Park
PROJECT DESCRIPTION	
Replace current lighting and poles with LED lighting.	
JUSTIFICATION	
The current lights at Don Montgomery Park were installed in the early 1980s. The current lighting does not meet NCHSSA standards for high school baseball. The field is home to Albemarle HS baseball team. The current lights do not light the entire field and leave large areas in the outfield with shadows. This is a safety hazard when playing night games. With the recent repairs to the field, new lighting could help market the field for baseball tournaments and field rentals.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 350,000
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 350,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 300,000
CONSTRUCTION	\$ 50,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 350,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Lisa Kiser
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PARKS AND RECREATION		
FUND: General Fund		
PROJECT TITLE:	EE Waddell Phase 3 Improvements	
PRIORITY:	3	
PURPOSE:	Master Plan Phase 3 Improvements for EE Waddell Center	
PROJECT DESCRIPTION		
Convert and remodel existing locker room area at Waddell gym into weight room and nautilus area.		
JUSTIFICATION		
Improvements to the EE Waddell Center began in 2008 with a Master Plan of phases for the project. Phases 1 & 2 of the project have been completed. Phase 3 involves converting and remodeling current locker rooms in the gymnasium to a weight and exercise room.		
CAPITAL COST PER YEAR		
COMMITTED PRIOR TO FY 19-20	\$ 1,250,000	
FY 2020-21	\$ -	
FY 2021-22	\$ 350,000	
FY 2022-23	\$ 350,000	
FY 2023-24	\$ 110,000	
FY 2024-25		
FUTURE YEARS		
TOTAL	\$ 2,060,000	
CAPITAL COST BREAKDOWN		
PLANNING, DESIGN, AND ENGINEERING	\$ 20,000	CURRENT REVENUE
PURCHASE	\$ 90,000	CURRENT REVENUE
CONSTRUCTION	\$ 700,000	CURRENT REVENUE
MISCELLANEOUS		
OTHER:		
OTHER:		
OTHER:		
TOTAL	\$	810,000
DESCRIPTION OF SOURCE ESTIMATE:		

REQUESTED BY: Lisa Kiser
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PARKS AND RECREATION		
FUND: General Fund		
PROJECT TITLE:	Park Security Lighting Upgrades	
PRIORITY:	4	
PURPOSE:	Improve security lighting in all park locations	
PROJECT DESCRIPTION		
Replace existing lighting and poles with LED lighting in all the parks.		
JUSTIFICATION		
The public has complained many times about the lighting of our parks after dark. Other than City Lake Park, all City of Albemarle park locations are open until 12:00 midnight. Albemarle Parks & Recreation plans many evening activities for the residents of Albemarle. These activities include adult and youth athletic leagues. Our facilities are also used by the public for many other recreational opportunities that happen in the evening: tennis, basketball, walking the trails, etc. The public is concerned with their safety. Parks with lack of lighting are breeding grounds for crime and other less desirable activities. Lighting gives people a sense of security		
CAPITAL COST PER YEAR		
COMMITTED PRIOR TO FY 19-20	\$ -	
FY 2020-21	\$ -	
FY 2021-22	\$ 50,000	
FY 2022-23	\$ 50,000	
FY 2023-24	\$ 50,000	
FY 2024-25	\$ 50,000	
FUTURE YEARS		
TOTAL	\$ 200,000	
CAPITAL COST BREAKDOWN		
PLANNING, DESIGN, AND ENGINEERING	\$ 10,000	CURRENT REVENUE
PURCHASE	\$ 150,000	CURRENT REVENUE
CONSTRUCTION	\$ 40,000	CURRENT REVENUE
MISCELLANEOUS		
OTHER:		
OTHER:		
OTHER:		
TOTAL	\$	200,000
DESCRIPTION OF SOURCE ESTIMATE:		

REQUESTED BY: Lisa Kiser
Department Head

DATE: 9/24/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PARKS AND RECREATION	
FUND: General Fund	
PROJECT TITLE:	Lighting Upgrades Optimist Park
PRIORITY:	5
PURPOSE:	Improve lighting at baseball fields at Optimist Park
PROJECT DESCRIPTION	
Replace current lighting with high efficiency LED lighting.	
JUSTIFICATION	
The current lighting at Optimist fields do not adequately light the field for evening games. New lighting would provide better lighting more efficiently. Because of the poor lighting at Optimist field Albemarle Parks & Recreation is losing out on tournaments that could be hosted at Optimist park. These tournaments would bring in people from other communities to Albemarle.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ 300,000
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 300,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 250,000
CONSTRUCTION	\$ 50,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 300,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Lisa Kiser
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PARKS AND RECREATION	
FUND: General Fund	
PROJECT TITLE:	Lighting Upgrades Rock Creek ballfield
PRIORITY:	6
PURPOSE:	Improve lighting at Rock Creek ballfield
PROJECT DESCRIPTION	
Replace existing lighting with more efficient LED lighting.	
JUSTIFICATION	
The current lighting at Rock Creek ballfield leaves many shadowed areas in the playing field. Improved lighting will improve player safety, enhance spectators experiences, and increase electrical efficiency.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ 300,000
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 300,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 250,000
CONSTRUCTION	\$ 50,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 300,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Lisa Kiser
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PLANNING AND DEVELOPMENT	
FUND: General Fund	
PROJECT TITLE:	Albemarle Comprehensive Plan PRIORITY: 1
PURPOSE:	2040 Comprehensive Plan for The City
PROJECT DESCRIPTION	
<p>The City is seeing new growth and can expect to see continued growth in residential, commercial and industrial sectors in coming years. This coincides nicely with recent City investments in downtown, our current efforts to update City code and our need for an updated future land use map. Unlike a simple update to the land use map itself, a comprehensive plan should detail the City's goals, objectives and plans for the next 10+ years across several crucial elements such as: our transportation systems, economic development efforts, utility and infrastructure maintenance and expansion, parks and recreation facilities and programs, housing initiatives, cultural and natural resources and many others areas of importance to the city.</p>	
JUSTIFICATION	
<p>Up-to-date future land use maps are a state requirement as a tool for cities to practice zoning. While our map has a defined horizon of 2028, general rule of thumb is an update every five years and new plan every ten years. At 11 years old, with very little review and amendment it is effectively out-of-date already and will be more so as things continue to change over the next couple of years. While it is unlikely there will be immediate legal implications in the near future, it is critical that we budget for and begin the process of updating our future land use map before it becomes so out-of-date that it does not reflect where we are heading as a city. The need to update strategic and master plans for other departments and areas of the City coupled with the need for a more state-of-the-art future land use plan that takes into consideration changing trends and priorities in our state, region and city makes a more comprehensive approach to planning a necessity, not only practically, but economically as well. While a large portion of this plan can be done in house, we simply do not have the resources or manpower to do many portions of it ourselves. Planning and other City Staff will be overseeing the process and managing much of the public input, however I expect branding, outreach and advertising, existing conditions analysis, surveying, specialized planning programs and document drafting and design will be dependent largely on a selected planning firm(s). Expected completion of this plan from selection of lead consultant to adoption by Council should take approximately 12-15 months.</p>	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 125,000
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 125,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	\$ 125,000
PURCHASE	
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 125,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: J. Kevin Robinson
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Electric	
PROJECT TITLE:	Delivery 2 CT Bypass Buss-Electric
PRIORITY:	1
PURPOSE:	Purchase
PROJECT DESCRIPTION	
Add a current transformer (CT) bypass buss at Delivery 2	
JUSTIFICATION	
To allow metering CT's to be bypassed for maintenance, as recommended in the Electric System Ten Year Study done by Southeastern Consulting Engineers	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 75,000
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 75,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 75,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 75,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Electric	
PROJECT TITLE:	Delivery Transfer Buss-Electric
PRIORITY:	1
PURPOSE:	Purchase
PROJECT DESCRIPTION	
Add a transfer buss at Delivery 1 to allow circuit breakers to be bypassed for maintenance	
JUSTIFICATION	
This will allow circuit breakers to be bypassed for safe maintenance work as recommended in the electric system 10 year study by Southeastern Consulting Engineers	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 125,000
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 125,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 125,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 125,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Electric	
PROJECT TITLE:	Digger Derrick Line Trucks-Electric
PRIORITY:	1
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Unit #336 is a 2004 Sterling to be replaced in 2020-2021, Unit #303 is a 2012 Kenworth and needs to be replaced in 2022-2023	
JUSTIFICATION	
Need to replace every 10 years to keep the fleet updated	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 400,000
FY 2021-22	\$ -
FY 2022-23	\$ 400,000
FY 2023-24	\$ -
FY 2024-25	
FUTURE YEARS	
TOTAL	\$ 800,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 800,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 800,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Electric	
PROJECT TITLE:	Pole Inspection Program-Electric
PRIORITY:	1
PURPOSE:	Pole Replacements
PROJECT DESCRIPTION	
Wooden poles inspection and data collection program began in 2015. Our goal is to have all of our poles inspected by FY2020-2021 and then start a five year rotation where approximately one-fifth of our poles are inspected each year.	
JUSTIFICATION	
Being proactive with our maintenance helps to cut down on damages and power outages. Also, we need to have an active pole inspection program in place from a liability standpoint, should a pole fall and injure someone or damage property. This program will give us an accurate pole count and list all other utilities attached to each pole.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ 70,000
FY 2020-21	\$ 100,000
FY 2021-22	\$ 100,000
FY 2022-23	\$ 100,000
FY 2023-24	\$ 100,000
FY 2024-25	\$ 100,000
FUTURE YEARS	\$ 100,000
TOTAL	\$ 670,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 670,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 670,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Electric	
PROJECT TITLE:	Unit #336-Electric
PURPOSE:	Replacement
PRIORITY:	1
PROJECT DESCRIPTION	
Unit #336 is a 2004 Digger/Derrick Line Truck that is 15 years old and currently used by our underground crew and sometimes by a line crew. It has less than 60,000 miles but over 6660 hours because of the heavy stationary use. With all the underground projects, this truck will not be able to handle the workload.	
JUSTIFICATION	
Hydraulic pump has weakened considerably; therefore, the boom will not lift the load. Multiple leads, worn hoses and the boom tip winch brakes are worn. Rotation gear on the pedestal is worn and has loose play. Suspension is worn out also. it is not safe to have on the job.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 400,000
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 400,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 400,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 400,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Electric	
PROJECT TITLE:	Bucket Trucks-Electric
PRIORITY:	2
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Unit #334, 2002 Chevrolet Bucket Truck, is 19 years old, need to replace in FY2021-2022; Unit #331, 2013 Kenworth Bucket Truck will need to be replaced in FY2023-2024	
JUSTIFICATION	
These trucks have a useful life of 10 years. Operational maintenance cost increase significantly after 10 years.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ 350,000
FY 2022-23	\$ -
FY 2023-24	\$ 350,000
FY 2024-25	
FUTURE YEARS	
TOTAL	\$ 700,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 700,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 700,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Electric	
PROJECT TITLE:	Business Park-Electric
PRIORITY:	3
PURPOSE:	Replacement
PROJECT DESCRIPTION	
New Business Park replacements cost should be distributed over two budget years. New park as well as Electric Distribution System reliability and public safety create the need for these upgrades which are recommended by Southeastern Consulting Engineers.	
JUSTIFICATION	
Need to replace old copper primary and neutral conductors with larger ACSR aluminum conductors.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ 400,000
FY 2022-23	\$ 400,000
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 800,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 800,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 800,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Electric	
PROJECT TITLE:	Dump Truck-Electric
PRIORITY:	3
PURPOSE:	Addition
PROJECT DESCRIPTION	
FY 2023-2024, may need to add a dump truck to the fleet or trade in #306 (see explanation below)	
JUSTIFICATION	
In FY 2023-2024, we are retrofitting Unit #306 to change out the body to a dump body. Electric Division often has to borrow one from W&S. There are times that we need to haul dirt, gravel, limbs and etc. Underground crew will benefit mostly.	
CAPITAL COST PER YEAR	
CAPITAL COST BREAKDOWN	
COMMITTED PRIOR TO FY 19-20	PLANNING, DESIGN, AND ENGINEERING
FY 2020-21	
FY 2021-22	PURCHASE \$ 75,000
FY 2022-23	
FY 2023-24	CONSTRUCTION
FY 2024-25	
FUTURE YEARS	MISCELLANEOUS
TOTAL	OTHER:
\$ 75,000	
	OTHER:
	OTHER:
	TOTAL \$ 75,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Electric	
PROJECT TITLE:	Primary Recloser Switches-Electric
PRIORITY:	3
PURPOSE:	Install Primary Recloser Switches
PROJECT DESCRIPTION	
Existing 3-phase recloser switches are all over 20 years old. We need to replace 2 reclosers a year. We have a total of 10 on the system.	
JUSTIFICATION	
Upgrade the 3-phase reclosers from mechanical oil-filled units to vacuum reclosers that have electronic controls. To upgrade circuit protection on our electric distribution system as recommended in the Electric System ten year study. These would match the one that were installed downtown and on Leonard Avenue	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 100,000
FY 2021-22	\$ 100,000
FY 2022-23	\$ 100,000
FY 2023-24	\$ 100,000
FY 2024-25	\$ 100,000
FUTURE YEARS	\$ -
TOTAL	\$ 500,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 500,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 500,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Electric	
PROJECT TITLE:	Recloser Communication Lines- Electric
PRIORITY:	4
PURPOSE:	Purchase
PROJECT DESCRIPTION	
Install fiber optic communication lines to primary recloser switches.	
JUSTIFICATION	
Newer primary recloser switches have electronic relay controls that can be connected to the SCADA System. This will allow for remote monitoring and instant notification when the switch operates. The reclose function can also be blocked remotely in order for the linemen to safely work on downstream energized equipment.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ 100,000
FY 2022-23	\$ 100,000
FY 2023-24	\$ 100,000
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 300,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 300,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 300,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Electric	
PROJECT TITLE:	Underground Pulling Rig-Electric
PRIORITY:	4
PURPOSE:	Purchase
PROJECT DESCRIPTION	
Purchase an underground conductor pulling rig.	
JUSTIFICATION	
Using this piece of equipment that is designed for the installation of underground conductors will increase the safety for our employees and the efficiency for the Electric Division.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ 125,000
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 125,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 125,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 125,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Electric	
PROJECT TITLE:	Kubota Mini Excavator
PRIORITY:	5
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Our current Mini Excavator is a 2013 Kubota.	
JUSTIFICATION	
Showing signs of wear. Also electrical underground work has greatly increased due to growth.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ 75,000
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 75,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 75,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 75,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	AMR Meters-W&S
PRIORITY:	1
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Meter change out program from manual read meters to direct read AMR meters. These meters transmit a radio signal that is read by a handheld receiver increasing the efficiency and accuracy of the meter reading process.	
JUSTIFICATION	
Water meters typically lose accuracy over time and record less water than what was actually used. This program provides for not only the conversion process but also for existing AMR meters to be changed out and recalibrated on a regular interval to ensure accuracy and minimize lost revenue. Funding is for materials, PU W&S Systems staff will provide labor for installation.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ 25,000
FY 2020-21	\$ 100,000
FY 2021-22	\$ 100,000
FY 2022-23	\$ 100,000
FY 2023-24	\$ 100,000
FY 2024-25	\$ 75,000
FUTURE YEARS	\$ -
TOTAL	\$ 500,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 500,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 500,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Inflow & Infiltration Program-W&S
PRIORITY:	1
PURPOSE:	Renovation
PROJECT DESCRIPTION	
Inflow & infiltration minimization program to identify leaking manholes. Sewer collection system has a number of older manholes and structures that are built of clay brick with mortar joints.	
JUSTIFICATION	
Many of these structures are located in areas subject to high water tables and therefore are subject to leaking. This provides a significant source of infiltration of groundwater into the sewer collection system. Need funds to continue this element of the l&i minimization program in support of the other manholes that have been undertaken already.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ 15,000
FY 2020-21	\$ 15,000
FY 2021-22	\$ 15,000
FY 2022-23	\$ 15,000
FY 2023-24	\$ 15,000
FY 2024-25	\$ 15,000
FUTURE YEARS	
TOTAL	\$ 90,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 90,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 90,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Moss Springs Pump Station
PURPOSE:	Replacement
PRIORITY:	1
PROJECT DESCRIPTION	
Pump Station was placed in service in the mid 1970's. No significant repairs or maintenance have been done on the #1 or #3 pumps/motors in the last 15-20 years.	
JUSTIFICATION	
Due to population increase the #1 pump is no longer efficient to maintain current demand. We need to replace #1 pump/motor with one the same size as the #2 pump/motor and upgrade the #3 pump. All of the gate valves on the suction side and discharge side of the pumps are inoperable and prevents isolation for maintenance crew to repair or replace.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ 184,800
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 184,800
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 184,800
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 184,800
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	6-Year Electrical Upgrade-LCWWTP
PRIORITY:	1
PURPOSE:	Replacement/Improvement
PROJECT DESCRIPTION	
6 Year Electrical Distribution System Upgrade Plan for LCWWTP; Year 1 plan was completed in Phase I; Year 2 and Year 3 will be completed in Phase II; Years 4, 5, and 6 are remaining to complete as Phases are approved by City Council.	
JUSTIFICATION	
Current LCWVWTP was designed and built in the early to mid-1970's. Most of the electrical distribution system which powers the environmental treatment process is original and is approximately 40 years old. Rehab is to provide a reliable and easily maintainable system for the plant operations staff.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 18-19	\$ -
FY 2019-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ 1,203,000
FY 2022-23	\$ 819,000
FY 2023-24	\$ 318,000
FUTURE YEARS	
TOTAL	\$ 2,340,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 2,340,000 STATE GRANT
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 2,340,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine **DATE:** 9/9/2019
 Department Head



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	SS Rehab/WWTP-Phase II
PRIORITY:	1
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Replace existing 16" & 24" sanitary sewer trunk lines with new PVC and precast concrete manholes. Provides for continuation of the replacement and rehabilitation of trunk line of the sanitary sewer collection system to minimize inflow and infiltration into the system. This replaces and rehabilitates deteriorated pipe and manholes from the end of Salisbury Ave to completed Phase northward to Delco Plaxa (Gold's Gym)). Sewer main parallels Long Creek.	
JUSTIFICATION	
Phase II construction began July 2019 and completion date should be before June 2020. Phase II includes VVWTP Year 1 electrical improvements \$5,800,000 CWSRF Loan, \$500,000 CWSRF grant	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	
FY 2020-21	\$ 290,000
FY 2021-22	\$ 290,000
FY 2022-23	\$ 290,000
FY 2023-24	\$ 290,000
FY 2024-25	\$ 290,000
FUTURE YEARS	\$ 4,350,000
TOTAL	\$ 5,800,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 5,800,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 5,800,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	SS Rehab/WWTP-Phase III
PRIORITY:	1
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Replace 9,000 ft of 24", 18" & 12" gravity sewer and Years 2 & 3 of Electrical Improvements at WWTP. Continuation of replacement and rehabilitates deteriorated pipes and manholes from LC WWTP west toward Concord Road. Submit funding 9/2019; Begin Construction 3/2022; Final Construction 3/2023; First Payment FY 2023-2024.	
JUSTIFICATION	
City Council approved 9/3/19; CWSRF 20 years loans, 2.25% interest and potential 0% interest City will pay 2% closing cost; Annual debt service \$446,000 if 2.25% interest; \$307,000 if 0.0% interest.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ 6,279,000
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 6,279,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 6,279,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 6,279,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Water Tanks-W&S
PRIORITY:	1
PURPOSE:	Maintenance Contract
PROJECT DESCRIPTION	
The four existing water tanks are not under any maintenance contract. In spring of 2019, a company came in and did a visual inspection and full service asset management on all 4 tanks.	
JUSTIFICATION	
These tanks have maintenance in many years. The State has stated that the Aquadale Tank needs painting. The cost is approximately \$200K. Annual preventative maintenance (PM) would include conditions of exterior and interior, safety and sanitary regulations, tank's structural integrity, and repairs of tank's parts. Would also include painting the tanks, interior cleaning, and disinfection. After the first 7 years, the PM cost will decrease.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 179,000
FY 2021-22	\$ 179,000
FY 2022-23	\$ 179,000
FY 2023-24	\$ 175,000
FY 2024-25	\$ 175,000
FUTURE YEARS	\$ 110,000
TOTAL	\$ 997,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 997,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 997,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	PU-Hypochlorite- 52WTP
PRIORITY:	2
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Convert existing disinfection system from gas chlorine to a liquid hypochlorite system.	
JUSTIFICATION	
Gas chlorine system attaches many layers of regulatory requirements as it poses an air quality risk for the surrounding community. Chlorine needs are much less for wastewater versus water treatment. Conversion to hypochlorite (bleach) is a much safer alternative for wastewater treatment and just as effective as chlorine gas. Project would reduce costs associated with the regulatory air quality rules and risk management plans. The reason for the increase of \$40,000 over the same request for TTWTP is because the 52WTP building needs retrofitting.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 480,000
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 480,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 480,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 480,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Hypochlorite Conversion-TTWTP
PRIORITY:	2
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Convert existing disinfection system from gas chlorine to a liquid hypochlorite system.	
JUSTIFICATION	
Gas chlorine system attaches many layers of regulatory requirements such EPA's Risk Management Program. It poses an air quality risk for the surrounding community. Chlorine gas has by-product formations (THMs and HAAs). It's a very dangerous chemical that requires special operator training. Conversion to hypochlorite (bleach) is a much safer alternative for water treatment and just as effective as chlorine gas.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ 440,000
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 440,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 440,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 440,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Old Plant Demolition-LCWWTP
PRIORITY:	2
PURPOSE:	Removal
PROJECT DESCRIPTION	
Demolition/removal and/or abandon the obsolete plant structure, piping and equipment. A-Plant area (headworks) has a large number of open tanks, clarifiers, deep well buildings and other associated above ground structures.	
JUSTIFICATION	
Some of these structures have been abandoned in excess of 50 plus years due to changes in the methodology of treatment rendering them obsolete. It has been determined that they will serve no useful purpose in the foreseeable future. The structures pose a safety risk due to the nature of the structures and the lack of maintenance on the structure and the associated safety railing and catwalks. The open tanks hold water continuously providing an attraction vector for mosquitoes & drowning of wildlife.	
CAPITAL COST PER YEAR	
CAPITAL COST BREAKDOWN	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 121,000
FY 2021-22	\$ 121,000
FY 2022-23	\$ 121,000
FY 2023-24	\$ 121,000
FY 2024-25	\$ 121,000
FUTURE YEARS	\$ 121,000
TOTAL	\$ 726,000
	PLANNING, DESIGN, AND ENGINEERING
	PURCHASE
	CONSTRUCTION \$ 726,000
	MISCELLANEOUS
	OTHER:
	OTHER:
	OTHER:
	TOTAL \$ 726,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	GIS Mapping-W&S
PRIORITY:	2
PURPOSE:	Provide W&S Mapping on a GIS Platform
PROJECT DESCRIPTION	
Locations of lines, valves, and appurtenances of the water distribution and sewer collection systems are currently only available in a hard copy (paper) format. This is becoming problematic in executing work orders and emergency responses on these systems.	
JUSTIFICATION	
This request would provide the development (framework, location and mapping) of a Geographic Information System (GIS) for the water distribution & sewer collections systems. GIS would not only provide spatial location but would also provide attribute information defining/describing the lines, valves, and appurtenances that comprise the system. GIS system would also be structured to link the information from work order to spatial locations on mapping to identify trending/metric info on issues.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 100,000
FY 2021-22	\$ 100,000
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 200,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 200,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 200,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Unit #434-W&S
PURPOSE:	Unit #434 Replacement
PRIORITY:	2
PROJECT DESCRIPTION	
Unit is used daily to transport trench backfill and other construction materials to the various job sites across the system.	
JUSTIFICATION	
Current unit is 17 years old. Unit is experiencing increased maintenance due to issues with the engine and drive train. The unit is becoming unreliable.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ 96,000
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 96,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 96,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 96,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Unit #600 Replacement
PURPOSE:	Replacement
PRIORITY:	2
PROJECT DESCRIPTION	
Unit #600 is a 1997 Ford truck mounted with a 12-ton boom.	
JUSTIFICATION	
Truck is experiencing increased service requirements and a capacity boom issue. Plan is to replace with a 20 ton boom truck that can provide additional capacity. This boom truck would assist other departments instead of renting from a crane company.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ 330,000
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 330,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 330,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 330,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES				
FUND: Water and Sewer				
PROJECT TITLE:	A2 Screw Pump-LCVWVTP			
PRIORITY:	3			
PURPOSE:	Replacement			
PROJECT DESCRIPTION				
A2 screw pump age is 30 years plus. Existing screw pump has exceeded service life.				
JUSTIFICATION				
Poor/inefficient performance contributes to Sanitary Sewer Overflows (SSO) both inside of the wastewater plant and the collection system during large rain events. Failure of the pump increases risk of non-compliance.				
CAPITAL COST PER YEAR				
CAPITAL COST BREAKDOWN				
COMMITTED PRIOR TO FY 19-20	\$ -	PLANNING, DESIGN, AND ENGINEERING		
FY 2020-21	\$ -	PURCHASE	\$ 385,000	CURRENT REVENUE
FY 2021-22	\$ -			
FY 2022-23	\$ -	CONSTRUCTION		
FY 2023-24	\$ 385,000			
FY 2024-25	\$ -	MISCELLANEOUS		
FUTURE YEARS	\$ -			
TOTAL	\$ 385,000	OTHER:		
		OTHER:		
		OTHER:		
		TOTAL	\$	385,000
DESCRIPTION OF SOURCE ESTIMATE:				

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Deep Water Intake-TTWTP
PRIORITY:	3
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Current location of the raw water intake is in a shallow cove on Tuckertown Reservoir. Shallow depth of the intake has demonstrated a negative influence on the raw water quality.	
JUSTIFICATION	
Increased water temperature, solids concentrations, and algae blooms affect the efficiency and effectiveness of the treatment systems at the plant. This would extend the location of the intake via a submerged pipeline from the current location of the intake at the raw water pump station to the east towards main channel of the reservoir. The increased depth in the main channel would allow for multiple withdrawal depths to adjust for differences in the water depth stratum quality.	
CAPITAL COST PER YEAR	
CAPITAL COST BREAKDOWN	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ 4,000,000
FUTURE YEARS	\$ -
TOTAL	\$ 4,000,000
	PLANNING, DESIGN, AND ENGINEERING
	PURCHASE
	CONSTRUCTION \$ 4,000,000 STATE GRANT
	MISCELLANEOUS
	OTHER:
	OTHER:
	OTHER:
	TOTAL \$ 4,000,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Filter Media Replacement-LCWWTP
PRIORITY:	3
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Filter media at LCWWTP is approximately 8 years old.	
JUSTIFICATION	
As the filter media ages we start seeing elevated concentration of Total Suspended Solids (TSS) in the effluent. As the TSS concentrations increases, we start having noncompliance issues with our National Pollutant Discharge Elimination System (NPDES) permit.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ 60,000
FY 2023-24	\$ 60,000
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 120,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 120,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 120,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Plate Settler System
PRIORITY:	3
PURPOSE:	Improvement
PROJECT DESCRIPTION	
To improve settled turbidity at 52WTP.	
JUSTIFICATION	
Plate settler can allow for greater loading rates of the raw water pace by expanding the surface area for sedimentation. This allows for greater loading rates and results in a large reduction in the basin size needed to achieve the same results. Hwy 52WTP can treat more water without increasing basin size with greater efficiency and cost-savings.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ 6,000,000
FUTURE YEARS	\$ -
TOTAL	\$ 6,000,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 6,000,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 6,000,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Sludge Disposal System-TTWTP
PRIORITY:	3
PURPOSE:	New Sludge Disposal System
PROJECT DESCRIPTION	
During our water treatment process we generate aluminum sludge at TTWTP. Solids have to be disposed of in accordance with federal, state and local laws.	
JUSTIFICATION	
TTWTP has used the land application method of disposal since the facility started operating about 30 years ago. In that time the spray fields have become maxed out as far as what they can handle. With the added amount of water we sell to Concord, and the increase in the coming years, we are now in a desperate need to solve this issue. We spend about \$100,000 a year to contract Synagro to pump and haul out of the lagoons now. City forces take sludge to WWTP drying basins.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ 4,000,000
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 4,000,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 4,000,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 4,000,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Trac Vac System-TTWTP
PRIORITY:	3
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Replace the trac vac system in the bottom of the sedimentation basins. The trac vac system provides consistent and automated removal of the settled solids that are generated in the sedimentation basins.	
JUSTIFICATION	
The system is over 25 years old and uses a technology that requires constant attention and a high interval/degree of maintenance. Replacement parts are becoming scarce. The new units are much more efficient and can be programmed so that they waste far less water. The control cabinet for these units is antiquated and would be removed and replaced with a programmable logic controller requiring a much smaller footprint giving more room in the control room.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ 350,000
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 350,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 350,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 350,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Melchor Branch-W&S
PRIORITY:	4
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Melchor Branch sewer line from Madison Place Apartments on N. 6th St, under and down N. 2nd Street to tie into Phase II on N. 2nd 2400 feet of pipe, either 18" or 16" Also, we can put this location and the S. Second Street location (AL Lowder) and have a Phase IV Lump these together for a single funding application	
JUSTIFICATION	
This area causes high numbers of SSOs during high rain flow. Sewer project will deal with some hydraulic issues as well as access issues. Hydraulic issues will correct a 90% turn in the flow causing it to slowdown during high flow events. Also a swag in the pipe behind the laundromat causing an issue. Sewer main runs in the creek and large bank behind laundromat. Need to bring the line out to NCDOT ROW on N. 2nd Street.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	
FUTURE YEARS	\$ 1,200,000
TOTAL	\$ 1,200,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 1,200,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 1,200,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Old Whitney Raw Water Line
PRIORITY:	4
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Replace raw water line from Old Whitney Pump Station to Hwy 52 WTP.	
JUSTIFICATION	
Nothing has been done to the water line since installation in 1940's.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ 12,000,000
FUTURE YEARS	
TOTAL	\$ 12,000,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 12,000,000 STATE GRANT
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 12,000,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Resurfacing Plant Road-LCWWTP
PRIORITY:	4
PURPOSE:	Resurface
PROJECT DESCRIPTION	
Pavement rehabilitation (resurface) to repair large pot holes and large areas completely missing at WWTP.	
JUSTIFICATION	
No significant repairs or maintenance over the past 10-20 years. Significant potholes, cracks and loss of pavement sections have become an issue in terms of damages to vehicles and just general safety in traveling plant roads.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 77,000
FY 2021-22	\$ 66,000
FY 2022-23	\$ 65,000
FY 2023-24	\$ 74,600
FY 2024-25	\$ 74,600
FUTURE YEARS	
TOTAL	\$ 357,200
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 357,200
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 357,200
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Tanks & Basins-TTWTP
PRIORITY:	4
PURPOSE:	Corrosion Coatings of Tanks & Basins
PROJECT DESCRIPTION	
Paint finished water tank and backwash tank. Paint sludge pipes and I Beams, flocculator bridges in all settling basins. Carolina Management Team gave a quote to do the tanks in one year and the sludge pipes in another year.	
JUSTIFICATION	
The coatings on two of our tanks have begun showing signs of wear and indication of failure due to weather exposure. Tanks are typically painted every 15 to 20 years. These have never been done. Steel beams, bridges and pipes in each basin show severe deterioration because they are constantly submerged. Steel will require abrasive blasting for proper application of the coating systems for effective corrosion protection.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 155,000
FY 2021-22	\$ 125,000
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 280,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 280,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 280,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Unit #406-W&S
PURPOSE:	Unit #406 Replacement
PRIORITY:	4
PROJECT DESCRIPTION	
Replacement of Unit #406 Rubber Tire Loader that is 25 years old. Experiencing extended down time due to problems with the hydraulic system driving the bucket cylinders.	
JUSTIFICATION	
Unit is becoming unreliable. This machine is used for loading materials into dump trucks, primarily gravel and earth, that are needed for trench back fill replacement when repairs are made to the collection and/or distribution system. This unit is used on a daily basis.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ 210,000
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 210,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 210,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 210,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Unit #456-W&S
PURPOSE:	Replacement
PRIORITY:	4
PROJECT DESCRIPTION	
Unit #456 2010 John Deere Backhoe is used daily on various job sites across the system. This backhoe is used as the primary equipment for the water crew.	
JUSTIFICATION	
This backhoe is showing signs of wear in the boom. Reliability and safety of the unit will become an issue in the future.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ 135,000
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 135,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 135,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 135,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Filter Sweeps-TTWTP
PRIORITY:	5
PURPOSE:	Upgrade
PROJECT DESCRIPTION	
Upgrade filter sweeps to an air scour system which cleans the filter media with pressurized air from the bottom of the media to the surface. There are 4 filters with two sweeps per filter.	
JUSTIFICATION	
Current filter sweep system is a technology that has become outdated. The system is water driven and is only effective for the upper reaches of the filter media instead of the full depth. The newer "Air Scour" technology is proven to be more efficient and does a much better job in cleaning the filters. The project would include a rotary screw compressor and related air piping as well as power & control wiring.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ 1,000,000
TOTAL	\$ 1,000,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 1,000,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 1,000,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	Biosolids Disposal System-LCWWTP
PRIORITY:	6
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Provide for onsite biosolids handling and disposal in lieu of current pump and haul program. Current pump and haul program costs approximately \$300k per year with the majority of the expenses being paid to Water and Sewer Authority of Cabarrus County for incineration at the Rocky River WWTP.	
JUSTIFICATION	
There have been numerous occasions where Rocky River facility has notified the City that they were experiencing disruption and/or maintenance outages of their system and could not accept biosolids. Some times this would last for weeks at a time. Without the ability to waste biosolids regularly from the treatment process, there is an increased risk for a long term adverse effect on the treatment process and increased probability for permit violation.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ 1,760,000
FUTURE YEARS	\$ -
TOTAL	\$ 1,760,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 1,760,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 1,760,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/7/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	NC 24/27 Relocation-W&S
PRIORITY:	7
PURPOSE:	Relocation
PROJECT DESCRIPTION	
Relocation of W&S lines to support Hwy 24/27 widening by NCDOT (East Main Street to Sweet Home Church Road).	
JUSTIFICATION	
Estimates prepared by Chambers Engineering for the project have yielded a total cost of approximately \$4.0M. Construction has begun. Based on current NCGS, the City is responsible for 25% of the project cost.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ 868,666
FY 2020-21	\$ 434,333
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 1,302,999
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 1,000,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 1,000,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	AMI Meter Conversion-W&S
PRIORITY:	8
PURPOSE:	Conversion from AMR to AMI Meter Program
PROJECT DESCRIPTION	
Convert present AMR (automatic meter read) to AMI (Automated Meter Integration) meter system. Current AMR technology is limited in the availability of the data on a real time basis. Data is only obtained from an AMR meter to a handheld data collector in close proximity. Readings are recording monthly on a current meter route. AMR system is limited in that the bulk usage data since the last reading is provided	
JUSTIFICATION	
AMI system differs from AMR in that AMI meter continuously transmits usage data to a central receiving station/server via a system wide radio network. Real time capability will provide PU the ability to monitor the system for leaks, unauthorized usage, and analyze usage patterns. AMI provides customers with this same information on an hourly basis. Information is collected in real time, customers can set a specific billing date since the date would no longer be based on the route date. It does not require a change out of meters, just the radio transmitter in the meter along with a deployment of the radio network.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ 400,000
FUTURE YEARS	\$ -
TOTAL	\$ 400,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 400,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 400,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC UTILITIES	
FUND: Water and Sewer	
PROJECT TITLE:	S Second St SS Rehab-W&S
PRIORITY:	9
PURPOSE:	Replacement
PROJECT DESCRIPTION	
Replace sewer line from Phase I (Hwy 52 to S Second Street)	
JUSTIFICATION	
This sewer project will replace a large collector line that runs under Hwy 52 to AL Lowder property on Old Aquadale Rd and ends at S. Second Street at the old A&A Auto Parts. This line is a large very old terra cotta sewer main that is in between lines that have been replaced. It runs through the Lowder property and is very hard to access.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	
FY 2020-21	
FY 2021-22	
FY 2022-23	
FY 2023-24	
FY 2024-25	
FUTURE YEARS	\$ 3,000,000
TOTAL	\$ 3,000,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 3,000,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 3,000,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Judy Redwine
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC WORKS	
FUND: General Fund	
PROJECT TITLE:	Dual Axle Dump Truck
PRIORITY:	1
PURPOSE:	New purchase to Replace Aging Fleet
PROJECT DESCRIPTION	
Purchase New Dual Axle Dump Truck with snow removal attachments.	
JUSTIFICATION	
The street division currently has six dump trucks in its fleet that are used to haul asphalt, stone, dirt and illegal dumping. More importantly, these trucks are used during storm events to haul off tree debris and to also plow snow and apply brine solution during winter storms. Out of the six dump trucks in the fleet, two trucks are 27 years old or older. One is 20 years old, with two others being 10 and 13 years old, respectively. The purchase and replacement of our dump trucks over the next two years will allow us to upgrade our fleet and surplus older trucks in our fleet. Wear and tear, along with repairs, are starting to be an issue with the older trucks, and due to the importance of these trucks during emergency events, we cannot afford to have unreliable equipment.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 37,000
FY 2021-22	\$ 37,000
FY 2022-23	\$ 37,000
FY 2023-24	\$ 37,000
FY 2024-25	\$ 37,000
FUTURE YEARS	
TOTAL	\$ 185,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 185,000
LEASE PURCHASE	
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 185,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Ross Holshouser
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC WORKS	
FUND: General Fund	
PROJECT TITLE:	Vac All Truck
PRIORITY:	1
PURPOSE:	New Vacuum Truck
PROJECT DESCRIPTION	
Replace 2008 Vac All Truck with New Vacuum Truck	
JUSTIFICATION	
Our current Vac-All truck is a 2008 model and over \$8000 was spent on repairs in the last 24 months. If we are to continue the same level of service vacuuming non-curb and gutter streets, ditch & storm drain maintenance, as well as vacuuming trash off our city right of ways, a new machine will be needed.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 100,000
FY 2021-22	\$ 100,000
FY 2022-23	\$ 100,000
FY 2023-24	\$ 100,000
FY 2024-25	\$ 100,000
FUTURE YEARS	\$ -
TOTAL	\$ 500,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 500,000
LEASE PURCHASE	
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 500,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Ross Holshouser
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC WORKS	
FUND: General Fund	
PROJECT TITLE:	New Fleet Maintenance Facility
PRIORITY:	2
PURPOSE:	New Fleet Maintenance Facility to meet the needs of a growing more advanced fleet
PROJECT DESCRIPTION	
New state of the art Fleet Maintenance Facility need to meet the demands.	
JUSTIFICATION	
The current shop is inadequate in the number of bays and the size of the bays. Large equipment must be repaired outside. There is no room for a small tool room or workshop area for welding and grinding and no area for parts inventory storage. The current building does not meet OSHA standards for a fleet repair shop.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	
FY 2021-22	\$ 356,424
FY 2022-23	\$ 356,424
FY 2023-24	\$ 356,424
FY 2024-25	\$ 356,424
FUTURE YEARS	\$ 74,304
TOTAL	\$ 1,500,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 1,500,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 1,500,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Ross Holshouser
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC WORKS	
FUND: General Fund	
PROJECT TITLE:	Single Axle Dump Truck
PRIORITY:	2
PURPOSE:	New purchase to Replace Aging Fleet
PROJECT DESCRIPTION	
Purchase New single Axle Dump Truck with snow removal attachments.	
JUSTIFICATION	
The street division currently has six dump trucks in its fleet that are used to haul asphalt, stone, dirt and illegal dumping. More importantly, these trucks are used during storm events to haul off tree debris and to also plow snow and apply brine solution during winter storms. Out of the six dump trucks in the fleet, two trucks are 27 years old or older. One is 20 years old, with two others being 10 and 13 years old, respectively. The purchase and replacement of our dump trucks over the next two years will allow us to upgrade our fleet and surplus older trucks in our fleet. Wear and tear, along with repairs, are starting to be an issue with the older trucks, and due to the importance of these trucks during emergency events, we cannot afford to have unreliable equipment.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ 28,000
FY 2022-23	\$ 28,000
FY 2023-24	\$ 28,000
FY 2024-25	\$ 28,000
FUTURE YEARS	\$ 28,000
TOTAL	\$ 140,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 140,000
LEASE PURCHASE	
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 140,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Ross Holshouser
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC WORKS	
FUND: General Fund	
PROJECT TITLE:	New Street Division Equipment Storage Building
PRIORITY:	3
PURPOSE:	New Storage Building to store Street Division valuable equipment
PROJECT DESCRIPTION	
Construct a new enclosed storage facility similar to PU-Electric and PU-W&S to protect valuable equipment and provide a safe area for workers to prepare and service equipment for incimate weather events.	
JUSTIFICATION	
The Street Division has purchased several new pieces of equipment and plans for other purchases in the future. Storage space is limited at the Operations Center. New Sweeper truck, seasonal mowing tractors, paving equipment, snow removal salt spreaders and more equipment need to be protected from elements in enclosed space. The life expectancy of this equipment is dependent upon our care and maintenance. Our employees are asked to perform routine maintenance, inspections or preparations in the rain, extreme heat or snowy weather with no place to protect themselves or the equipment. This building will allow us to protect our seasonal equipment, extending its life expectancy and lowering maintenance issues caused by constant exposure to the elements. FYI: If a Fleet Maintenance Facility was funded, the old Fleet Maintenance Garage would be re-purposed for Street Equipment Storage and this proposed building would not be necessary.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ 400,000
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 400,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 400,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 400,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Ross Holshouser
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2020-2024**

DEPARTMENT: PUBLIC WORKS	
FUND: Powell Bill	
PROJECT TITLE:	Pavement Management Plan
PRIORITY:	1
PURPOSE:	Improve City Streets
PROJECT DESCRIPTION	
The City has adopted a Pavement Maintenance Plan where budgeted funds each year will go to repair and maintain existing City Streets. Each year a plan is put into place based on budgeted funds. Engineers estimate that \$1 Million Dollars a year will keep City streets as is. My goal is \$500,000 per year until future funding is found. \$250,000 from Powell Bill Funds + \$250,000 from General Fund	
JUSTIFICATION	
The Pavement Management Plan is needed to support and guide annual maintenance needs on City Streets.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ 225,000
FY 2020-21	\$ 250,000
FY 2021-22	\$ 250,000
FY 2022-23	\$ 250,000
FY 2023-24	\$ 250,000
FY 2024-25	\$ 250,000
FUTURE YEARS	\$ 500,000
TOTAL	\$ 1,975,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 250,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 250,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Ross Holshouser
Department Head

DATE: 9/8/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC WORKS	
FUND: Solid Waste and Disposal	
PROJECT TITLE:	Waste Compactor Rebuild
PRIORITY:	1
PURPOSE:	Rebuild Compactor
PROJECT DESCRIPTION	
Rebuild Waste Compactor Powertrain	
JUSTIFICATION	
Due to harsh conditions and continual use (2,000 hours annually), which waste compactors are subject to, the equipment manufacturer recommends a certified powertrain rebuild when the machine accrues between 10-13,000 hours. This rebuild will continue to ensure a safe work environment, reduce breakdown and help minimize overall costs of equipment maintenance.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ 290,000
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 290,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	\$ 290,000
OTHER:	
OTHER:	
TOTAL	\$ 290,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Ross Holshouser
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC WORKS	
FUND: Solid Waste and Disposal	
PROJECT TITLE:	Haul Road Rebuild
PRIORITY:	2
PURPOSE:	Rebuild and stabilize Solid Waste Facility Haul Road
PROJECT DESCRIPTION	
To rebuild and stabilize the solid waste facility haul road by means of Full Depth Reclamation.	
JUSTIFICATION	
The Solid Waste Facility is used daily by many heavy trash trucks that is starting to put wear and tear on the haul roads. In turn the roads are starting to show rutting, pot holes and failures in the pavement. Recommendation to do Full Depth Reclamation from the main entrance at Stony Gap Road up to the new employee facility.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ 250,000
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 250,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 250,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 250,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Ross Holshouser
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC WORKS	
FUND: Solid Waste and Disposal	
PROJECT TITLE:	New Excavator
PRIORITY:	2
PURPOSE:	Replace existing CAT Excavator
PROJECT DESCRIPTION	
Purchase a new excavator to replace aging old CAT excavator.	
JUSTIFICATION	
Our facility utilizes two excavators, a 2013 model and a 2002 model. The 2002 model has over 12,000 hours on it. Most manufacturers recommend a total overhaul after approximately 10-13,000 hours. Staff recommends replacing the 2002 model with a new machine.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ 310,000
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 310,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 310,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 310,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Ross Holshouser
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC WORKS	
FUND: Solid Waste and Disposal	
PROJECT TITLE:	Rebuild Waste Handling Dozer
PRIORITY:	2
PURPOSE:	Rebuild Waste Handling Bulldozer Power train
PROJECT DESCRIPTION	
Rebuild existing waste handling bulldozer power train.	
JUSTIFICATION	
Due to harsh conditions and continual use (2,000 hours annually), which waste handling bulldozers are subject to, the equipment manufacturer recommends a certified powertrain rebuild when the machine accrues between 10-13,000 hours. This rebuild will continue to ensure a safe work environment, reduce breakdowns and help minimize overall costs of equipment maintenance.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ 230,000
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 230,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	\$ 230,000
OTHER:	
OTHER:	
TOTAL	\$ 230,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Ross Holshouser
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC WORKS	
FUND: Solid Waste and Disposal	
PROJECT TITLE:	Haul Road Rebuild (2) PRIORITY: 3
PURPOSE:	Rebuild and stabilize Solid Waste Facility Haul Road (2)
PROJECT DESCRIPTION	
To rebuild and stabilize the solid waste facility haul road by means of Full Depth Reclamation.	
JUSTIFICATION	
The Solid Waste Facility is used daily by many heavy trash trucks that is starting to put wear and tear on the haul roads. In turn the roads are starting to show rutting, pot holes and failures in the pavement. Recommendation to do Full Depth Reclamation from the Employee Facility up to the Recycling Center.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ 250,000
FY 2023-24	\$ -
FY 2024-25	\$ -
FUTURE YEARS	\$ -
TOTAL	\$ 250,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 250,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 250,000
DESCRIPTION OF SOURCE ESTIMATE:	

REQUESTED BY: Ross Holshouser
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC WORKS				
FUND: Solid Waste and Disposal				
PROJECT TITLE:	Water Truck			
PRIORITY:	3			
PURPOSE:	Expand Equipment			
PROJECT DESCRIPTION				
Purchase used Water Truck with a capacity of 4-6,000 gallons				
JUSTIFICATION				
The facility currently uses the 2,000 gallon Posi-Shell applicator for dust control when necessary. Although adequate, this is not the optimal solution, nor the most ideal method, for proper dust control across the entire site. At times, the machine is not available for dust control because it is being used for its primary purpose , which is the application of alternative daily cover. Dust control is a State regulatory requirement at solid waste facilities. A water truck, with a large capacity, is greatly needed and would also be available for fire suppression, if necessary.				
CAPITAL COST PER YEAR				
CAPITAL COST BREAKDOWN				
COMMITTED PRIOR TO FY 19-20	\$ -	PLANNING, DESIGN, AND ENGINEERING		
FY 2020-21	\$ -	PURCHASE	\$ 150,000	CURRENT REVENUE
FY 2021-22	\$ -			
FY 2022-23	\$ 150,000	CONSTRUCTION		
FY 2023-24	\$ -			
FY 2024-25	\$ -			
FUTURE YEARS	\$ -	MISCELLANEOUS		
TOTAL	\$ 150,000	OTHER:		
		OTHER:		
		OTHER:		
		TOTAL	\$	150,000
DESCRIPTION OF SOURCE ESTIMATE:				

REQUESTED BY: Ross Holshouser
Department Head

DATE: 9/9/2019



**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC WORKS	
FUND: Solid Waste and Disposal	
PROJECT TITLE:	Posi-Shell Applicator and Truck
PRIORITY:	4
PURPOSE:	Renovate/Replace
PROJECT DESCRIPTION	
Replace or Rebuild Posi-Shell Applicator	
JUSTIFICATION	
The current Posi-Shell applicator is a 1996 model, mounted on an older model truck chassis, and will need replacing or rebuilding in the future.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	
FY 2020-21	
FY 2021-22	
FY 2022-23	
FY 2023-24	\$ 150,000
FY 2024-25	
FUTURE YEARS	
TOTAL	\$ 150,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	\$ 150,000
CONSTRUCTION	
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 150,000
DESCRIPTION OF SOURCE ESTIMATE:	

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**CITY OF ALBEMARLE
CAPITAL PROJECT REQUEST
FY 2021-2025**

DEPARTMENT: PUBLIC WORKS	
FUND: Solid Waste and Disposal	
PROJECT TITLE:	Maintenance Shop Remodel/Addition
PRIORITY:	5
PURPOSE:	Turn existing Maintenance Shop into a more usable building
PROJECT DESCRIPTION	
Remodel the equipment maintenance shop with a possible addition to the size.	
JUSTIFICATION	
Our equipment maintenance shop is very old and obsolete. A remodel would provide a safer, more efficient work environment for the service and repair of the equipment. Additional space could provide needed storage for small equipment and parts storage.	
CAPITAL COST PER YEAR	
COMMITTED PRIOR TO FY 19-20	\$ -
FY 2020-21	\$ -
FY 2021-22	\$ -
FY 2022-23	\$ -
FY 2023-24	\$ -
FY 2024-25	\$ 500,000
FUTURE YEARS	
TOTAL	\$ 500,000
CAPITAL COST BREAKDOWN	
PLANNING, DESIGN, AND ENGINEERING	
PURCHASE	
CONSTRUCTION	\$ 500,000
MISCELLANEOUS	
OTHER:	
OTHER:	
OTHER:	
TOTAL	\$ 500,000
DESCRIPTION OF SOURCE ESTIMATE:	

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