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Five Year Capital Improvement Program (CIP)

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LETTER OF INTRODUCTION FOR THE FIVE YEAR CAPITAL IMPROVEMENT PROGRAM

October 3, 2023

Honorable Mayor and Members of the Town Council,

Hereby submitted is the Five Year Capital Improvement Program (CIP) for the Town of Castle Rock, Colorado for the years 2024 through 2028. The 2024 Budget appropriates \$110,364,693 for Capital Improvement Program projects. The Funding Source information in the following pages is intended to identify the revenue that is planned to pay for the capital projects. While additional revenue is anticipated to be received each year, this information identifies only known sources of revenue at the time of development and what is necessary to fund the Capital Improvement Program.


The CIP summarizes all major capital expenditures to be made over the next five years. This budget contains a summary of revenue sources and CIP costs by fund and year in which the revenues and costs are anticipated. In order to be included in the CIP, the project must meet the following guidelines:

- Individual project costs are expected to be over \$25,000
- The resulting project has a useful life of more than one year
- The project results in the addition of a fixed asset, or extends the useful life of an existing asset or is a major software purchase
- The Town must have full ownership, or be a significant holder in a joint venture asset. For example, software that is licensed by the Town and owned by the vendor is not considered a capital asset of the Town.

During the preparation process, staff identified what would be necessary to meet existing levels of service to the community and which projects could reasonably be accomplished within each year, within the financial and staff limitations of the Town. Contractual obligations and/or needs were considered in setting the priorities.

Capital improvements are funded through a variety of sources including the use of reserves, impact fees, debt financing, grants, developer contributions, building use taxes and other operating revenues. All available current and future resources were considered when identifying funding sources for the identified capital improvements. For example, the estimated available reserve balance was calculated and shown as a funding source, as well as estimated impact fees, building use taxes, and other revenue sources. The CIP costs projected meet, but do not exceed, the limitations of those funding sources.

Sincerely,



David L. Corliss
Town Manager

THIS PAGE IS A PLACE HOLDER FOR THE RESOLUTION
APPROVING THE 2024-2028
CAPITAL IMPROVEMENT PROGRAM

2024 - 2028 CAPITAL IMPROVEMENT PROGRAM SUMMARY - ALL FUNDS

TOTAL CIP EXPENDITURES BY FUND AND YEAR

Fund	2024	2025	2026	2027	2028	Total
General Fund	\$ 5,000,000	\$ 7,450,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 13,200,000
General Long Term Planning	4,433,227	901,000	563,400	566,000	964,000	7,427,627
Transportation Fund	1,073,000	1,141,800	1,615,880	1,312,768	1,397,444	6,540,892
Transportation Capital Fund	7,835,000	17,035,200	-	10,279,256	5,620,610	40,770,066
Conservation Trust Fund	1,354,000	1,500,000	1,500,000	1,500,000	1,500,000	7,354,000
Parks and Rec Capital Fund	10,000,000	-	-	-	-	10,000,000
Water Fund	11,412,950	13,304,850	13,013,000	11,759,000	11,683,000	61,172,800
Water Resource Fund	47,396,793	33,824,437	32,550,913	45,984,746	14,343,746	174,100,635
Stormwater Fund	4,624,222	2,148,951	3,490,552	1,474,770	1,089,401	12,827,895
Wastewater Fund	7,902,470	3,984,930	3,100,500	2,850,000	2,850,000	20,687,900
Fleet Fund	6,538,031	4,498,582	6,911,220	3,413,301	3,695,374	25,056,508
Golf Fund	745,000	-	-	719,000	715,850	2,179,850
Community Center Fund	550,000	630,000	650,000	400,000	260,000	2,490,000
Fire Capital Fund	1,500,000	6,300,000	-	-	-	7,800,000
Total by Year	\$ 110,364,693	\$ 92,719,750	\$ 63,645,465	\$ 80,508,841	\$ 44,369,424	\$ 391,608,173

FUNDING SOURCE SUMMARY

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.

Source	2024	2025	2026	2027	2028	Total
Sales Tax	\$ 5,550,000	\$ 3,745,000	\$ 900,000	\$ 650,000	\$ 510,000	\$ 11,355,000
Residential Building Use Tax	858,600	681,000	1,018,400	581,000	1,019,000	4,158,000
Road and Bridge Tax	993,000	1,061,800	1,135,880	1,232,768	1,317,444	5,740,892
Colorado Lottery Funds	276,000	285,000	296,000	311,000	320,000	1,488,000
Interfund Loan	-	6,000,000	-	-	-	6,000,000
Impact Fees	19,335,000	17,335,200	-	10,279,256	5,620,610	52,570,066
Metered Water Sales	11,412,950	13,304,850	13,013,000	11,759,000	11,683,000	61,172,800
System Development Fees	31,654,753	20,879,109	21,588,306	28,089,206	8,634,267	110,845,640
Water Resources Fees	19,467,805	14,039,733	13,050,665	18,393,898	5,737,498	70,689,600
Stormwater Charges	898,457	1,054,546	1,402,493	976,412	1,061,381	5,393,290
Wastewater Service Charges	7,902,470	3,984,930	3,100,500	2,850,000	2,850,000	20,687,900
Vehicle Repl. Contributions	5,817,407	3,531,868	6,344,590	2,478,108	3,232,710	21,404,683
Vehicle Salvage	424,824	761,714	501,630	805,193	397,664	2,891,025
Transfers from Other Funds	295,800	205,000	65,000	130,000	65,000	760,800
Transfers In (Sales Tax)	3,654,627	300,000	25,000	65,000	25,000	4,069,627
Fishing is Fun	51,700	-	-	-	-	51,700
Douglas County Shareback	1,026,300	1,215,000	1,204,000	1,189,000	1,180,000	5,814,300
Charges for Service	745,000	-	-	719,000	715,850	2,179,850
DRCOG Grant	-	4,335,000	-	-	-	4,335,000
Total by Year	\$ 110,364,693	\$ 92,719,750	\$ 63,645,465	\$ 80,508,841	\$ 44,369,424	\$ 391,608,173

2024-2028 CAPITAL IMPROVEMENT PROGRAM

**TOWNWIDE
SUMMARY OF ESTIMATED ONGOING OPERATING COSTS
BY FUND ⁽¹⁾**

Department / Division	Project Name	2024	2025	2026	2027	2028
Transportation Fund						
	Traffic Signal Program	\$ 2,600	\$ 2,600	\$ 2,600	\$ 2,600	\$ 2,600
Fire Capital Fund						
	Station 156 Construction	-	-	2,500,000	2,500,000	2,500,000
Water Fund						
	Pump & Distribution System Upgrades	-	-	30,074	30,074	30,074
Water Resources Fund						
	WISE Project	-	-	5,200,000	5,200,000	5,200,000
	Chatfield Reallocation Project	270,000	270,000	270,000	270,000	270,000
	PCWPF Expansion	1,100,000	1,100,000	1,100,000	1,100,000	1,100,000
	Cherry Creek Basin Infrastructure	120,000	120,000	120,000	120,000	120,000
Total Ongoing Operating Expenditures by Year		\$ 1,492,600	\$ 1,492,600	\$ 9,222,674	\$ 9,222,674	\$ 9,222,674

NOTE: New vehicle additions to the fleet are incorporated and paid for in each individual department. Operating costs associated with a vehicle addition on average are \$986 for repair and maintenance and \$1,200 for fuel annually

(1) Existing Capital Improvement Programs included above reflect projects with known ongoing operating costs

2024-2028 CAPITAL IMPROVEMENT PROGRAM

GENERAL FUND

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2024	2025	2026	2027	2028	Total
Annual Trail Improvements	\$ -	\$ 7,200,000	\$ -	\$ -	\$ -	\$ 7,200,000
Lost Canyon Acquisition	4,750,000	-	-	-	-	4,750,000
Cantril Building Updates	250,000	250,000	250,000	250,000	250,000	1,250,000
Total Expenditures by Year	\$ 5,000,000	\$ 7,450,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 13,200,000

Project Funding Sources	2024	2025	2026	2027	2028	Total
Sales Tax	\$ 5,000,000	\$ 3,115,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 8,865,000
DRCOG Grant	-	4,335,000	-	-	-	4,335,000
Total Funding Sources by Year	\$ 5,000,000	\$ 7,450,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 13,200,000

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



Cantril Building

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Annual Trail Improvements

Project Number: 75-14
 Contact: Jeff Smullen, Assistant Director of Parks & Recreation
 Department: Parks & Recreation Department
 Category: Parks/Trails
 Type: Replacement
 Useful Life: 50 years

Description and Justification

Annual trail improvements are funded by sales tax, a portion of which was enacted by voters to fund trail improvements throughout Castle Rock. As a result, the trails account receives an annual transfer from a portion of sales tax through the Town’s Transportation Fund in addition to outside contributions, such as grant support when available. The Parks and Recreation Department will borrow from future years 2025-2028 to fund the Town’s portion of the Industrial Tributary Trail and other strategic plan identified projects will be pushed back to 2029.

The Denver Regional Council of Governments (DRCOG) Transportation Improvement Program (TIP) grant program awarded the Town \$4,920,000 to support the development of engineering, design and final construction of the Industrial Tributary Trail (Future trail naming nominations to be solicited) connecting the Philip S. Miller Park to downtown Castle Rock.

The project will construct 1 mile of 10' wide concrete trail connecting a major regional park (Philip S. Miller Park and the MAC) to the core downtown area and the Plum Creek Trail (aka front range trail). The project will pass through Millers Landing and Brickyard developments and will include: one creek crossing; two roadway grade separated crossings and one grade separated crossings of the BNSF Railroad. Town staff has met with BNSF staff on the proposed crossing and will pursue permitting for an underpass, which will require engineered drawings for railroad for review and approval. The Town is proposing the grade separated crossing to be a tunnel excavation to the east side of the railroad where the trail will connect to the 5th Street sidewalk and then extend over East Plum Creek with the installation of a pedestrian bridge.

Expenditures	2024	2025	2026	2027	2028	Total
Construction Contracts	\$ -	7,200,000	\$ -	\$ -	\$ -	7,200,000
Total Expenditures	\$ -	\$ 7,200,000	\$ -	\$ -	\$ -	\$ 7,200,000
Funding Sources	2024	2025	2026	2027	2028	Total
Sales Tax	\$ -	\$ 2,865,000	\$ -	\$ -	\$ -	2,865,000
DRCOG Grant	-	4,335,000	-	-	-	4,335,000
Total Funding Sources	\$ -	\$ 7,200,000	\$ -	\$ -	\$ -	\$ 7,200,000

Operational Impact

Costs to maintain additional trails will be minimal and can be accommodated within current budgeted resources.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Lost Canyon Acquisition

Project Number: 75-17
 Contact: Jeff Smullen, Assistant Director of Parks & Recreation
 Department: Parks & Recreation Department
 Category: Parks/Trails
 Type: Replacement
 Useful Life: 50 years

Description and Justification

Lost Canyon Ranch Property (682.21 acres) is a potential open space acquisition that the Town and Douglas County are interested in partnering on the project and the Town is taking the lead with appraisal services and negotiations. The subject property is located on the east side of Ridge Road, adjacent to and east of land in Town of Castle Rock, and west of Castlewood Canyon State Park.

Expenditures	2024	2025	2026	2027	2028	Total
Land Acquisition	\$ 4,750,000	\$ -	\$ -	\$ -	\$ -	\$ 4,750,000
Total Expenditures	\$ 4,750,000	\$ -	\$ -	\$ -	\$ -	\$ 4,750,000
Funding Sources	2024	2025	2026	2027	2028	Total
Sales Tax	\$ 4,750,000	\$ -	\$ -	\$ -	\$ -	\$ 4,750,000
Total Funding Sources	\$ 4,750,000	\$ -	\$ -	\$ -	\$ -	\$ 4,750,000

Operational Impact

Costs to maintain additional trails will be minimal and can be accommodated within current budgeted resources.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Cantril Building Updates

Project Number: 70-20
 Contact: Jeff Smullen, Assistant Director of Parks & Recreation
 Department: Parks & Recreation Department
 Category: Parks/Trails
 Type: Upgrade
 Useful Life: 50 years

Description and Justification

Funds are being allocated every year through the next five years in the amount of \$250,000 for improvements to the facility of the Cantril. These improvements are both functional as well as will benefit the programing aspect.

Expenditures	2024	2025	2026	2027	2028	Total
Cantril Building Updates	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000
Total Expenditures	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000
Funding Sources	2024	2025	2026	2027	2028	Total
Sales Tax	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000
Total Funding Sources	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000

Operational Impact

Costs to maintain additional trails will be minimal and can be accommodated within current budgeted resources.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

GENERAL LONG TERM PLANNING FUND

TOWN MANAGER

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2024	2025	2026	2027	2028	Total
<u>DoIT Department</u>						
Network Devices DoIT	\$ 236,600	\$ 248,000	\$ 292,400	\$ 266,000	\$ 606,000	\$ 1,649,000
<u>Police Department</u>						
Police Drones	25,000	25,000	25,000	25,000	25,000	125,000
Less Lethal Launchers	50,000	-	-	-	-	50,000
Police Radios	1,100,000	-	-	-	-	1,100,000
<u>Fire Department</u>						
EMS Equipment	979,627	-	-	-	-	979,627
Fire Dept. Radio Replacement	1,500,000	-	-	-	-	1,500,000
Unmanned Aerial Vehicle Replacement	-	30,000	-	-	-	30,000
AED's and Stop the Bleed	-	275,000	-	40,000	-	315,000
<u>Parks and Recreation Department</u>						
Town Court repair and replacment	216,000	88,000	11,000	-	98,000	413,000
Synthetic Turf/Concrete Repair and Replac.	226,000	135,000	135,000	135,000	135,000	766,000
Security Cameras for Town Parks	100,000	100,000	100,000	100,000	100,000	500,000
Total Expenditures by Year	\$ 4,433,227	\$ 901,000	\$ 563,400	\$ 566,000	\$ 964,000	\$ 7,427,627

Project Funding Sources	2024	2025	2026	2027	2028	Total
Residential Bldg Use Tax	\$ 778,600	\$ 601,000	\$ 538,400	\$ 501,000	\$ 939,000	\$ 3,358,000
Transfers In (Sales Tax)	3,654,627	300,000	25,000	65,000	25,000	4,069,627
Total Funding Sources by Year	\$ 4,433,227	\$ 901,000	\$ 563,400	\$ 566,000	\$ 964,000	\$ 7,427,627

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



Castle Rock Professional Firefighters Foundation

2024-2027 CAPITAL IMPROVEMENT PROGRAM

Project Name

Network Devices DoIT

Project Number: 76-80
 Contact: Jennifer Jaeger, Chief Technology Officer
 Department: Division of Innovation and Technology
 Category: Technology
 Type: Replacement
 Useful Life: 5 Years

Description and Justification

This project will replace a portion of networking and wireless devices including any that are five years or older. Network devices are an essential requirement to deliver data between computers and servers. If a network device fails, data cannot be delivered, and employee productivity is greatly reduced. These devices also provide Wi-Fi in all facilities, video upload for the in-car and body cameras for the Police Department, and connectivity to remote locations (swimming pools, Red Hawk). Maintaining these devices is very important for daily work of almost every Town employee. The Town is no longer able to buy support for some devices, and the likelihood of failure increases with age. Proactive replacement of the devices will avoid excessive downtime from an unscheduled failure while allowing staff to find and buy the best replacement option. Network devices cost are expected to grow at an average annual rate of 15 percent and are budgeted below accordingly.

Expenditures	2024	2025	2026	2027	2028	Total
Network Devices	\$ 236,600	\$ 248,000	\$ 292,400	\$ 266,000	\$ 606,000	\$ 1,649,000

Total Expenditures	\$ 236,600	\$ 248,000	\$ 292,400	\$ 266,000	\$ 606,000	\$ 1,649,000
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Funding Sources	2024	2025	2026	2027	2028	Total
Residential Bldg Use Tax	\$ 236,600	\$ 248,000	\$ 292,400	\$ 266,000	\$ 606,000	\$ 1,649,000

Total Funding Sources	\$ 236,600	\$ 248,000	\$ 292,400	\$ 266,000	\$ 606,000	\$ 1,649,000
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Operational Impact

Cost to run devices is built into the annual budget and the replacement of these devices on a regular basis will save money and maintain productivity by preventing critical failures.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Police Drones

Project Number: 70-30
 Contact: Jack Cauley, Police Chief
 Department: Police Department
 Category: Equipment
 Type: Replacement
 Useful Life:

Description and Justification

Special Operations Division requests the inclusion of the following items in the General Long Term Planning Fund:
 Drone Annual Replacement Program: Drones are now critically relied upon for their numerous uses in many aspects of police work for CRPD officers, to include apprehension of suspects, search and rescue, accident re-construction, and creating safer environments for officers to address potential violent situations. Drones are integrated into everyday use for all shifts on a regular basis and the department ensures qualified licensed pilots are available for their use. Due to the high demands that CRPD now places on the drones, it would be extremely helpful if amounts were included to replace a portion of the drone inventory annually. CRPD uses smaller and larger drones depending on the incident or situational demands and department pilots, which we plan to have on all shifts, use the drone best suited for the issue at hand. Each drone serves a purpose, a smaller drone is more appropriate to deploy if there is a situation within a building, while the larger drones equipped with thermal imaging and camera resolution would help when a suspect is attempting to elude officers either on foot or in a vehicle. Drones, in conjunction with our current camera operations assist in creating safer resolutions for officers who are provided direction and guidance from drone pilots as to when to safely apprehend a suspect or apprehend a stolen vehicle. Future drone replacement allowance amount is requested to be transferred into the GLTP for drone program needs annually for replacement. Larger drones that are currently in use for CRPD are between \$8k and \$10k. Annual battery, software subscription costs and maintenance needs per drone are fairly minimal, we anticipate approximately \$2500 is needed annually for this purpose and is requested to be added to the 110-2140-421.61-20 account.

In order to facilitate regular drone replacements, it is requested that \$25,000 be included annually, potentially, in the General Long Term Planning Fund. This will allow for the purchase of an anticipated fully functional drone fleet for all CRPD divisions. This will include 6 larger drones and 4 smaller drones and supply divisions with ready use of the capability needed to address critical incidences as they arise as stated above. (account not shown below)

Expenditures	2024	2025	2026	2027	2028	Total
Equipment	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
Total Expenditures	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000

Funding Sources	2024	2025	2026	2027	2028	Total
Transfers In (Sales Tax)	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
Total Funding Sources	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000

Operational Impact

There is an increase in software maintenance expected, about \$2,500 a year funded from the General Fund.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Less Lethal Launchers

Project Number: 70-30
 Contact: Jack Cauley, Police Chief
 Department: Police Department
 Category: Equipment
 Type: Upgrade
 Useful Life: 10 years

Description and Justification

Less-lethal control options and tools are used for the express purpose of reducing the likelihood of serious injury or death during police response to resistance. This has become exceedingly important as police are managing highly complex and dynamic physical scenarios with high expectations for subject protection. The Castle Rock Police Department (CRPD) utilizes a variety of less-lethal tools to include specialty impact munitions. The 40mm launcher is one of the more effective options. The 40mm launcher provides officers the unique ability to maintain significant reactionary gaps and utilize cover. The ability to deploy from a greater distance increases safety to both officers and suspects. CRPD is currently phasing out the previously used 12GA less-lethal shotgun with the objective of the to equip each patrol vehicle with a 40MM launcher over a three-year period. The purchase of 10 launchers per year will allow us to achieve this. The new launchers present a number of advantages over existing equipment.

Expenditures	2024	2025	2026	2027	2028	Total
Equipment	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Total Expenditures	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000

Funding Sources	2024	2025	2026	2027	2028	Total
Transfers In (Sales Tax)	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000
Total Funding Sources	\$ 50,000	\$ -	\$ -	\$ -	\$ -	\$ 50,000

Operational Impact

There are no ongoing operational costs.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Police Radios

Project Number: 70-30
 Contact: Tim Gorman, Police Commander
 Department: Police Department
 Category: Equipment
 Type: Replacement
 Useful Life: 10 years

Description and Justification

The Police Department requests to replace 173 radios and related equipment. Radios were last replaced in 2003 and need to be replaced because they are near end of life. Funds are being transferred into general long term planning fund from on 2022-2024 to pay for this radio replacement.

Expenditures	2024	2025	2026	2027	2028	Total
Equipment	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	1,100,000
Total Expenditures	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	1,100,000
Funding Sources	2024	2025	2026	2027	2028	Total
Transfers In (Sales Tax)	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	1,100,000
Total Funding Sources	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	1,100,000

Operational Impact

Cost to run devices is built into the annual budget and the replacement of these devices on a regular basis will save money and maintain productivity by preventing critical failures.

2022-2026 CAPITAL IMPROVEMENT PROGRAM

Project Name

EMS Equipment

Project Number: 70-30
 Contact: Norris Croom, Fire Chief
 Department: Fire Department
 Category: Equipment
 Type: Ongoing - Replacement
 Useful Life: Varies

Description and Justification

These requested items include EMS equipment required to provide emergency care. The cardiac monitors have a 10 year useful life, the prams have a 7 year useful life, as do the stair chairs. The prams and stair chairs are used on medic units, while the cardiac monitors are on both medic units and engines/aerials as part of our Advanced Life Support (ALS) system. The cardiac monitors were originally scheduled to be replaced in 2022, but this has been pushed to 2024 due to a new model being released in 2023.

This aligns with Council established Strategic Priorities by ensuring outstanding public safety, it allows us to maintain our current level of service, and it addresses the community survey need of ensuring public safety.

Expenditures	2024	2025	2026	2027	2028	Total
LifePak Cardiac Monitors	\$ 684,136	\$ -	\$ -	\$ -	\$ -	\$ 684,136
Powered Ambulance Prams	211,065	-	-	-	-	211,065
Powered Stair Chairs	84,426	-	-	-	-	84,426
Total Expenditures	\$ 979,627	\$ -	\$ -	\$ -	\$ -	\$ 979,627

Funding Sources	2024	2025	2026	2027	2028	Total
Transfers In (Sales Tax)	\$ 979,627	\$ -	\$ -	\$ -	\$ -	\$ 979,627
Total Funding Sources	\$ 979,627	\$ -	\$ -	\$ -	\$ -	\$ 979,627

Operational Impact

Cost to run devices is built into the annual budget and the replacement of these devices on a regular basis will save money and maintain productivity by preventing critical failures.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Fire Dept. Radio Replacement**

Project Number: 70-30
 Contact: Norris Croom, Fire Chief
 Department: Fire Department
 Category: Equipment
 Type: Replacement
 Useful Life: 10 Years

Description and Justification

This project is planned to accommodate replacement of mobile and portable radios. As technology continues to advance, the life span of the Fire Department's radios has decreased from 15 years to 10 years. In order to ensure operational stability and continuity of systems, these radios need to be replaced all at one time as opposed to a phased process. This plan ensures that items such as radio batteries, carrying cases, microphones, cabling systems, and capabilities are maintained as opposed to having variations of each.

These are a key component in being able to provide service as we have to be able to communicate with dispatch as well as other units to be able to respond to calls.

This request aligns with Council established Strategic Priorities by ensuring outstanding public safety and allows the fire department to maintain the current level of service.

These radios (approx. 200 total) are scheduled for replacement in 2024 at an estimated cost of \$1,500,000 and will be paid for by transfers in from the general fund.

Expenditures	2024	2025	2026	2027	2028	Total
Radio Replacement	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	1,500,000
Total Expenditures	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	1,500,000

Funding Sources	2024	2025	2026	2027	2028	Total
Transfers In (Sales Tax)	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	1,500,000
Total Funding Sources	\$ 1,500,000	\$ -	\$ -	\$ -	\$ -	1,500,000

Operational Impact

Cost to run devices is built into the annual budget and the replacement of these devices on a regular basis will save money and maintain productivity by preventing critical failures.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Unmanned Aerial Vehicle Replacement**

Project Number: 70-30
 Contact: Brian Dimock, Fire Marshal
 Department: Fire Department
 Category: Equipment
 Type: Replacement
 Useful Life: 3 Years

Description and Justification

Since 2016, the fire department has been utilizing unmanned aerial vehicles (UAV's), better known as drones, for public safety. Current UAV's have been used to fly over fires to give another perspective of how the fire is moving, and to document investigation scenes for fire and law enforcement operations. UAV's are used for documentation of construction sites and inspections and there are numerous other purposes where UAV use is beneficial. This request is to allow older UAV's to be cycled to reserve status, and maintain all UAV's for their useful life. UAV's are regulated by the Federal Aviation Administration (FAA) as are the commercial pilots that fly them.

UAV's technology changes quickly. The market is very volatile with new products getting introduced every year or sooner, as well as new requirements set forth by the FAA. As quickly as the technology comes out, the FAA attempts to interface with these improvements and impose safety requirements. Some of these may have to be implemented on the current UAV's that we have.

This aligns with Council established Strategic Priorities by ensuring outstanding public safety. Keeping our UAV's up-to-date provides the ability to use this equipment to its fullest capabilities and reduce the possibility of a firefighter getting hurt on a fire or providing the ability to search large areas in a matter of minutes versus hours for a lost or injured citizen. Although this can currently be done, the manufacturers of these UAV's are also dropping support of the outdated UAV's to keep operating costs down and providing service to the newer models. By being able to purchase newer UAV's means that we are able to continue to provide the level of service that not only affects our external customers, but our internal as well when needed.

The only alternative to this is allow all the equipment that we have purchased to become completely obsolete and discontinue use when it is no longer supported by the manufacturer. The operational impact of this request if not approved is the potential reduction of providing the level of service to not only the community, but the other Town departments that utilize this service.

Expenditures	2024	2025	2026	2027	2028	Total
UAV Replacements	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ 30,000
Total Expenditures	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ 30,000

Funding Sources	2024	2025	2026	2027	2028	Total
Residential Bldg Use Tax	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ 30,000
Total Funding Sources	\$ -	\$ 30,000	\$ -	\$ -	\$ -	\$ 30,000

Operational Impact

Annual operating costs are already included in the annual budget under operating supplies.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

AED's and Stop the Bleed

Project Number: 70-30
 Contact: Norris Croom, Fire Chief
 Department: Fire Department
 Category: Equipment
 Type: Replacement
 Useful Life: 10 Years

Description and Justification

These requested items include all Town Automated External Defibrillators (AED) in facilities and vehicles to provide emergency care. These have a 10 year useful life, and are part of our community AED program. While budgeted in the fire and rescue department budget, these are for all departments across the Town. This also includes replacement of Stop the Bleed kits that need to be replaced every 5 years.

This aligns with Council established Strategic Priorities by ensuring outstanding public safety, it allows us to maintain our current level of service, and it addresses the community survey need of ensuring public safety.

Expenditures	2024	2025	2026	2027	2028	Total
Automated External Defibrillators	\$ -	\$ 275,000	\$ -	\$ -	\$ -	\$ 275,000
Stop the Bleed Kits	-	-	-	40,000	-	40,000
Total Expenditures	\$ -	\$ 275,000	\$ -	\$ 40,000	\$ -	\$ 315,000

Funding Sources	2024	2025	2026	2027	2028	Total
Transfers In (Sales Tax)	\$ -	\$ 275,000	\$ -	\$ 40,000	\$ -	\$ 315,000
Total Funding Sources	\$ -	\$ 275,000	\$ -	\$ 40,000	\$ -	\$ 315,000

Operational Impact

Cost to run devices is built into the annual budget and the replacement of these devices on a regular basis will save money and maintain productivity by preventing critical failures.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Town Court repair and replacment**

Project Number: 40-31
 Contact: Jeff Brauer, Director of Parks and Recreation
 Department: Parks & Recreation Department
 Category: Parks/Trails
 Type: Replacement
 Useful Life: 10 Years

Description and Justification

Court surfaces are nearing the end of the expected life and will need to be replaced in order to maintain proper safety levels, and to maintain the functional and aesthetic quality of these parks. Court surfaces are regularly evaluated for safety and actual project timing may change based on this ongoing evaluation. Typical expected life of surfacing is five-years for the tennis, pickleball and multi-surface courts.

In addition to court surfacing, repairs and resurfacing are need at the inline courts and skate park at Metzler Ranch Park. These are the first major repairs since the park opened in 2001.

The Parks and Recreation Department requests funding for inline, pickleball, tennis, skate park repairs and resurfacing for the following locations:

- 2024 Metzler Ranch Park – Inline courts and skate park repairs
- 2024 Bison and Gemstone parks- Tennis court resurfacing
- 2025 Wrangler Park and DCHS (IGA) - Tennis court resurfacing – and Parrish Park -Pickleball resurfacing
- 2026 Rhyolite Regional Park - Tennis court resurfacing
- 2028 Butterfield Park -Tennis court resurfacing and Cobblestone Ranch and Founders park - Pickleball court surfacing

Expenditures	2024	2025	2026	2027	2028	Total
Court Replacement	\$ 216,000	\$ 88,000	\$ 11,000	\$ -	\$ 98,000	\$ 413,000
Total Expenditures	\$ 216,000	\$ 88,000	\$ 11,000	\$ -	\$ 98,000	\$ 413,000

Funding Sources	2024	2025	2026	2027	2028	Total
Residential Bldg Use Tax	\$ 216,000	\$ 88,000	\$ 11,000	\$ -	\$ 98,000	\$ 413,000
Total Funding Sources	\$ 216,000	\$ 88,000	\$ 11,000	\$ -	\$ 98,000	\$ 413,000

Operational Impact

Regular replacement of court surfaces and concrete maintains levels of service and improves the look, functionality, and safety of these locations.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Synthetic Turf/Concrete Repair and Replac.

Project Number: 78-47
 Contact: Jeff Brauer, Director of Parks and Recreation
 Department: Parks & Recreation Department
 Category: Parks/Trails
 Type: Replacement
 Useful Life: 10 Years

Description and Justification

The Parks and Recreation Department requests funding for synthetic turf replacement and concrete repair and replacements at the following locations:

Concrete Repair and Replacement – Safety and ADA

- 2024 for Woodlands Loop asphalt to concrete replacement
- 2024-2028 – Concrete repair and replacement – Safety and ADA

Synthetic Turf Repair and Replacements

- 2024 - 2028 – Minor repairs
- 2027 - Rhyolite Regional Park Synthetic Turf
- 2028 - for Bison Park Synthetic Turf (2 fields) –

Synthetic turf on Town field sites is nearing the end of the expected life (generally 10-12 years) and will need to be replaced in order to maintain proper safety levels, and to maintain the functional and aesthetic quality of these parks. Synthetic turf surfaces are regularly evaluated for safety and actual project timing may change based on this ongoing evaluation.

Expenditures	2024	2025	2026	2027	2028	Total
Park Turf Replacement	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 300,000
Repair & Maint Grounds	166,000	75,000	75,000	75,000	75,000	466,000
Total Expenditures	\$ 226,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 766,000

Funding Sources	2024	2025	2026	2027	2028	Total
Residential Bldg Use Tax	\$ 226,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 766,000
Total Funding Sources	\$ 226,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 135,000	\$ 766,000

Operational Impact

Regular replacement of turf and concrete maintains levels of service and improves the look, functionality, and safety of these locations.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Security Cameras for Town Parks**

Project Number: 70-30
 Contact: Jeff Brauer, Director of Parks and Recreation
 Department: Parks & Recreation Department
 Category:
 Type:
 Useful Life:

Description and Justification

The Police Department has requested that security cameras be installed at all Town owned parks for safety and vandalism awareness with Town staff collaborating to determine an annual priority list. Money is requested annually until all parks are able to be completed. The costs for security cameras at each location varies greatly due to the number of cameras, trenching and infrastructure needed.

Expenditures	2024	2025	2026	2027	2028	Total
Security Cameras	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

Total Expenditures	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
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Funding Sources	2024	2025	2026	2027	2028	Total
Residential Bldg Use Tax	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000

Total Funding Sources	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 500,000
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Operational Impact

Security Cameras allows for parks to be better monitored to prevent and discourage vandalism and crime. Cost to maintain cameras are not yet known.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

TRANSPORTATION FUND

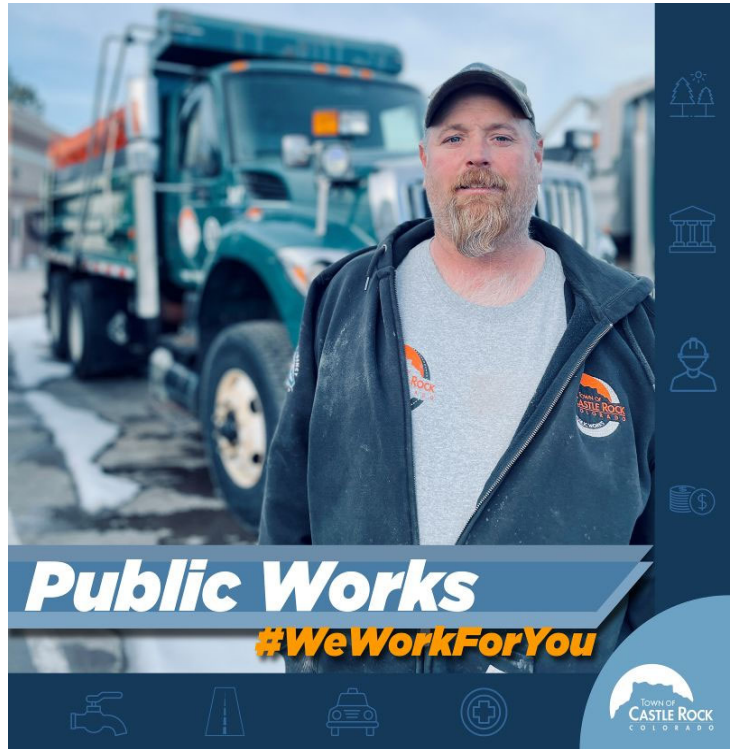
PUBLIC WORKS DEPARTMENT

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2024	2025	2026	2027	2028	Total
Miscellaneous Projects & Studies	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
Traffic Safety Improvements	415,000	431,000	447,000	480,000	494,400	2,267,400
Traffic Signal Program	528,000	580,800	638,880	702,768	773,044	3,223,492
Neighborhood Traffic Calming	25,000	25,000	25,000	25,000	25,000	125,000
ADA Ramps	80,000	80,000	80,000	80,000	80,000	400,000
Salt Shed Expansion	-	-	400,000	-	-	400,000
Total Expenditures by Year	\$ 1,073,000	\$ 1,141,800	\$ 1,615,880	\$ 1,312,768	\$ 1,397,444	\$ 6,540,892

Project Funding Sources	2024	2025	2026	2027	2028	Total
Road and Bridge Tax	\$ 993,000	\$ 1,061,800	\$ 1,135,880	\$ 1,232,768	\$ 1,317,444	\$ 5,740,892
Residential Building Use Tax	80,000	80,000	480,000	80,000	80,000	800,000
Total Funding Sources by Year	\$ 1,073,000	\$ 1,141,800	\$ 1,615,880	\$ 1,312,768	\$ 1,397,444	\$ 6,540,892

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



Public Works Street Maintenance Technician

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Miscellaneous Projects & Studies**

Project Number: 75-24
 Contact: Brian Kelley, Engineering Manager
 Department: Public Works Department
 Category: Infrastructure
 Type: New
 Useful Life: Variable

Description and Justification

Small projects and studies are typically identified during the year that are currently unknown. Projects typically arise that were not accounted for or specifically identified in the annual budget process. The purpose of this miscellaneous projects account is to have funding available when minor unexpected road projects need to be funded and constructed. The ability to immediately implement small projects as they are identified provides for the best customer service for the public and maintains a level of service expected and provided by the Town. This project also helps to address increases in traffic and congestion, which has been identified as an area of concern in past Community Surveys.

Expenditures	2024	2025	2026	2027	2028	Total
Design/Engineering/Construction	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
Total Expenditures	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000

Funding Sources	2024	2025	2026	2027	2028	Total
Road and Bridge Tax	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
Total Funding Sources	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000

Operational Impact

Operational impacts are typically minimal as these small improvements to existing infrastructure fall under existing maintenance operations budgets.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Traffic Safety Improvements

Project Number: 75-25
 Contact: Jacob Vargish, TPTE Manager
 Department: Public Works Department
 Category: Infrastructure
 Type: Repair
 Useful Life: Variable

Description and Justification

This budget request is to ensure funds are available in the Traffic Safety Improvements account for pooled safety improvement projects. This includes a 3% increase each year for inflation of material and labor costs. In recent years, staff have used this account to purchase rectangular rapid flashing beacon equipment (RRFB) to be installed at locations requested by citizens or identified by the Town, and evaluated and prioritized by staff. Citizens have shown appreciation for these crossing devices and more locations have been requested each year. The current budget allows for purchasing approximately four locations for equipment and installing RRFBs, and does not have additional funds for other Town safety projects. In 2021, Town staff produced the biannual Crash Report which identifies the least safe intersections both signalized and un-signalized (this report will be updated in 2023). From this report, staff began further analyzing these locations to determine the most effective safety improvement countermeasures that can be implemented to decrease accidents and improve safety. These safety countermeasures include projects such as the installation of medians for access control, raised crosswalks for speed management, pedestrian refuges in conjunction with RRFBs and the implementation of sidewalks in the vicinity of schools. These funds would also be used to fund safety improvements identified in the TMP, the Downtown Mobility Master Plan, and the Downtown ADA Transition Plan for pedestrian and bicycle linkage and safety. Some of the countermeasures identified require concrete work which is very costly and outside of the current approved Traffic Safety Improvement budget.

This budget request will enable Town staff to make safety and accessibility improvements Town wide at priority locations that are most likely to increase safety to all modes of travel. This will increase mobility and LOS by reducing the potential of having property damage and injury crashes, and provide access to currently sub-standard corridors. This fund will continue to be used to fund our annual RRFB program of four locations, and the increase in budget will enable us to make immediate and planned safety and mobility improvements. Projects for 2024 include implementing safety improvements at our highest crash non-signalized intersections, implementing pedestrian refuges at some RRFB locations, filling gaps in missing sidewalk segments and bicycle routes, implementing speed management countermeasures such as raised crosswalks, speed humps, and curb extensions, adding new street and pedestrian lighting in areas that are needed during nighttime hours, and implementing other safety projects in 2024 PMP areas.

Expenditures	2024	2025	2026	2027	2028	Total
Construction	\$ 415,000	\$ 431,000	\$ 447,000	\$ 480,000	\$ 494,400	\$ 2,267,400
Total Expenditures	\$ 415,000	\$ 431,000	\$ 447,000	\$ 480,000	\$ 494,400	\$ 2,267,400

Funding Sources	2024	2025	2026	2027	2028	Total
Road and Bridge Tax	\$ 415,000	\$ 431,000	\$ 447,000	\$ 480,000	\$ 494,400	\$ 2,267,400
Total Funding Sources	\$ 415,000	\$ 431,000	\$ 447,000	\$ 480,000	\$ 494,400	\$ 2,267,400

Operational Impact

Operational impacts are typically minimal as these small improvements to existing infrastructure fall under existing maintenance operations budgets.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Traffic Signal Program

Project Number: 75-26
 Contact: Jacob Vargish, TPTM Division Manager
 Department: Public Works Department
 Category: Infrastructure
 Type: New
 Useful Life: 15-20 Years

Description and Justification

This program is utilized to construct new traffic signals identified through engineering evaluations, and perform signal system changes recommended in the comprehensive townwide system analysis. For 2024, the preliminary warrant evaluations show it is anticipated that three new traffic signals will be needed. The locations include, Meadows Blvd and Red Hawk Blvd, Foothills and Coachline, and Crowfoot Valley Road and Sapphire Pt Blvd. This is an average of the construction costs over the past six years with a expected continuation of a 10 percent price increase per year. In the past five years, cost per intersection has increased 16-30 percent due to other infrastructure, steel signal poles, and an overall increase in construction costs and labor rates. For years 2024 through 2028, signal projects will be selected based on trends, professional judgment, and locations identified by engineering evaluations. Four signals over the next two years is likely, with two more signals anticipated in years 2026-2028. A 10 percent increase in cost from one year to the next has been applied to the projected construction in 2024 through 2028. This increase is based on growth in signal construction costs in past years.

Expenditures	2024	2025	2026	2027	2028	Total
Construction/Engineering	\$ 528,000	\$ 580,800	\$ 638,880	\$ 702,768	\$ 773,044	\$ 3,223,492
Total Expenditures	\$ 528,000	\$ 580,800	\$ 638,880	\$ 702,768	\$ 773,044	\$ 3,223,492
Funding Sources	2024	2025	2026	2027	2028	Total
Road and Bridge Tax	\$ 528,000	\$ 580,800	\$ 638,880	\$ 702,768	\$ 773,044	\$ 3,223,492
Total Funding Sources	\$ 528,000	\$ 580,800	\$ 638,880	\$ 702,768	\$ 773,044	\$ 3,223,492

Operational Impact

The department currently contracts out some of the maintenance of traffic signal equipment but only on an as needed basis to supplement in-house capabilities. In addition, electricity cost increases are expected with new signal installation. The average electricity and maintenance cost per signal is \$2,600 per year and is included in electricity costs within the Transportation Fund.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Neighborhood Traffic Calming**

Project Number: 75-28
 Contact: Ryan Germeroth, Assistant Public Works Director
 Department: Public Works Department
 Category: Infrastructure
 Type: Upgrade
 Useful Life: Variable

Description and Justification

These projects are identified through the Town's Neighborhood Traffic Calming Program. This program encourages cars to adhere to the posted speed limit or reduce the amount of cut-through traffic on residential streets. Projects are identified through the current policy approved by Town Council and administered by staff. These projects are typically developed during the year as requested by residents and certain criteria are met. Examples include the installation of speed cushions on residential streets. This project helps to address the community priority of a safe and reliable transportation system.

Expenditures	2024	2025	2026	2027	2028	Total
Construction/Engineering	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
Total Expenditures	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000

Funding Sources	2024	2025	2026	2027	2028	Total
Road and Bridge Tax	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000
Total Funding Sources	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 125,000

Operational Impact

The impact to operations is minor as these projects are small in scope and fairly infrequent. Speed cushions are constructed with asphalt material that is attached to existing asphalt, which can be maintained within existing operations just as the asphalt surface below.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

ADA Ramps

Project Number: 76-78
 Contact: Frank Castillo, Project Manager
 Department: Public Works Department
 Category: Infrastructure
 Type: Upgrade
 Useful Life: Variable

Description and Justification

Town Council approved the Americans with Disabilities Act (ADA) Prioritization Plans which identified \$80,000 per year to be allocated towards curb ramp upgrades based on priorities and available funding. A contractor will be utilized to construct these upgrades. The goal of the ADA Curb Ramps Prioritization Plan for the Town of Castle Rock is to ensure that the Town creates accessible paths of travel within the public right-of-way for people with disabilities. This project helps to address the community priority of a safe and reliable transportation system.

Expenditures	2024	2025	2026	2027	2028	Total
Construction	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 400,000

Total Expenditures	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 400,000
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Funding Sources	2024	2025	2026	2027	2028	Total
Residential Building Use Tax	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 400,000

Total Funding Sources	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 80,000	\$ 400,000
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Operational Impact

Operational impacts are typically minimal as these small improvements to existing infrastructure fall under existing maintenance operations.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Salt Shed Expansion

Project Number: 70-20
 Contact: Daniel Lord, Divison Manager
 Department: Public Works Department
 Category: Infrastructure
 Type: New
 Useful Life: 10 years

Description and Justification

Funding is requested to expand the current salt/sand shed located at 675 Justice Way. The expansion will be used to stockpile the salt/sand mix used in the Snow and Ice Control Program. Additional funds are requested in the future to construct a smaller shed immediately adjacent to the existing shed to store the salt mix used downtown and in icebreaking operations. The present storage capacity of the shed has in recent years been insufficient to store all the material needed for winter plowing and ice mitigation operations, forcing the Town to purchase additional material when pricing is at the highest. Being able to stockpile sufficient material for the entire season would allow for the entire purchase to be made when pricing and demand is at its lowest. In addition to the cost savings, as the 2019-2020 season demonstrated, when demand is at its highest distributors will begin an allocation process that provides some material but not allow for entire order fulfillment because nearly all municipalities are asking for material with limited ability to supply it.

A smaller shed (96' x 50') is also requested with construction in 2026 as the need for the separation of the two salt piles becomes necessary. The smaller shed would be used to store the salt mix for downtown and ice mitigation. The expected capacity of this shed would accommodate 1,500 tons of salt mix and is expected to be sufficient for downtown operations and more than doubles the current capacity for ice mitigation. This is enough material to carry the Town through a season for the foreseeable future at current application rates and accommodate Town growth to roughly 1,800 lane miles.

Expenditures	2024	2025	2026	2027	2028	Total
Construction	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ 400,000
Total Expenditures	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ 400,000

Funding Sources	2024	2025	2026	2027	2028	Total
Residential Building Use Tax	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ 400,000
Total Funding Sources	\$ -	\$ -	\$ 400,000	\$ -	\$ -	\$ 400,000

Operational Impact

Operational impacts are typically minimal as these small improvements to existing infrastructure fall under existing maintenance operations budgets.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

TRANSPORTATION CAPITAL FUND

PUBLIC WORKS DEPARTMENT

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2024	2025	2026	2027	2028	Total
5th Street Widening	\$ 750,000	\$ 17,035,200	\$ -	\$ 8,242,000	\$ -	\$ 26,027,200
Crowfoot Valley Road Widening	6,235,000	-	-	-	-	6,235,000
Wolfensberger Widening	850,000	-	-	-	1,574,810	2,424,810
Prairie Hawk S-Millers Rndbt to Plum Creek	-	-	-	631,176	4,045,800	4,676,976
I-25 Plum Creek Parkway Off Ramp	-	-	-	1,406,080	-	1,406,080
Total Expenditures by Year	\$ 7,835,000	\$ 17,035,200	\$ -	\$ 10,279,256	\$ 5,620,610	\$ 40,770,066

Project Funding Sources	2024	2025	2026	2027	2028	Total
Impact Fees	\$ 7,835,000	\$ 17,035,200	\$ -	\$ 10,279,256	\$ 5,620,610	\$ 40,770,066
Total Funding Sources by Year	\$ 7,835,000	\$ 17,035,200	\$ -	\$ 10,279,256	\$ 5,620,610	\$ 40,770,066

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



Public Works project on Plum Creek Parkway

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

5th Street Widening

Project Number: 78-85
 Contact: Brian Kelley, Engineering Manager
 Department: Public Works Department
 Category: Infrastructure
 Type: Upgrade
 Useful Life: 20 years

Description and Justification

This project involves widening the eastbound lanes from the intersection of Woodlands Boulevard at Fifth Street to the intersection of Fifth Street and Ridge Road. The objective of this project is to reduce congestion due to forecasted traffic volumes which have been identified as an area of concern in the Community Survey.

Additional pedestrian improvements will be incorporated to improve safety between Woodlands Boulevard and Ridge Road. The timing of this project is proposed to occur with the intersection improvements at Fifth Street and Ridge Road in order to minimize disruption to the community.

Expenditures	2024	2025	2026	2027	2028	Total
Right of Way Acquisition	\$ 750,000					\$ 750,000
Construction		- 17,035,200		- 8,242,000		- 25,277,200
Total Expenditures	\$ 750,000	\$ 17,035,200	\$ -	\$ 8,242,000	\$ -	\$ 26,027,200

Funding Sources	2024	2025	2026	2027	2028	Total
Impact Fees	\$ 750,000	\$ 17,035,200	\$ -	\$ 8,242,000	\$ -	\$ 26,027,200
Total Funding Sources	\$ 750,000	\$ 17,035,200	\$ -	\$ 8,242,000	\$ -	\$ 26,027,200

Operational Impact

Increases to future pavement maintenance will occur with the additional lane miles of impervious surface added to the roadway network and will be evaluated and incorporated in the Transportation Fund operating budget. This impact will not be known until design details are finalized or after project completion.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Crowfoot Valley Road Widening

Project Number: 78-83
 Contact: Brian Kelley, Engineering Manager
 Department: Public Works Department
 Category: Infrastructure
 Type: New - Upgrade
 Useful Life: 20 years

Description and Justification

This requested project involves the widening of Crowfoot Valley Road from the intersection of Knobcone Drive to the Town boundary. The objective of this project is to improve congestion due to current and forecasted traffic volumes. The project will also include a traffic signal at the Sapphire Pointe intersection. Construction is currently anticipated to occur in 2024. This project helps to address increases in traffic and congestion, which has been identified as an area of concern in the Community Survey. Douglas County will be contributing funding to the construction of this project.

Expenditures	2024	2025	2026	2027	2028	Total
Construction	\$ 6,235,000	\$ -	\$ -	\$ -	\$ -	6,235,000
Total Expenditures	\$ 6,235,000	\$ -	\$ -	\$ -	\$ -	6,235,000

Funding Sources	2024	2025	2026	2027	2028	Total
Impact Fees	\$ 6,235,000	\$ -	\$ -	\$ -	\$ -	6,235,000
Total Funding Sources	\$ 6,235,000	\$ -	\$ -	\$ -	\$ -	6,235,000

Operational Impact

Increases to future pavement maintenance will occur with the additional lane-miles of impervious surface added to the roadway network and will be evaluated and incorporated in the Transportation Fund operating budget. This impact will not be known until project completion.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Wolfensberger Widening

Project Number: 77-08
 Contact: Brian Kelley, Engineering Manager
 Department: Public Works Department
 Category: Infrastructure
 Type: Upgrade
 Useful Life: 20 years

Description and Justification

This project accommodates designing the remaining two lanes of the master planned four lane roadway on Wolfensberger Road from the intersection of Red Hawk Drive to the future Philip S. Miller Regional Park entrance. The construction of the project in 2028 will only cover the portion of the road between Prairie Hawk and Coachline. The remaining phase to the Town limit will be done in a future year beyond the 5-year window. This widening of the roadway will support the continued development of the north/south and west areas of the Town by improving access to I-25 at Wolfensberger Road from the western areas of Town. This project will also include bicycle and pedestrian multi-use lanes. This project will also reduce congestion along Wolfensberger Road, provide needed pedestrian and bicycle connections between the downtown area and Coachline Road, and support proposed development along Wolfensberger.

Expenditures	2024	2025	2026	2027	2028	Total
Right of Way Acquisition	\$ 850,000	\$ -	\$ -	\$ -	\$ -	\$ 850,000
Design	-	-	-	-	1,574,810	1,574,810
Total Expenditures	\$ 850,000	\$ -	\$ -	\$ -	\$ 1,574,810	\$ 2,424,810

Funding Sources	2024	2025	2026	2027	2028	Total
Impact Fees	\$ 850,000	\$ -	\$ -	\$ -	\$ 1,574,810	\$ 2,424,810
Total Funding Sources	\$ 850,000	\$ -	\$ -	\$ -	\$ 1,574,810	\$ 2,424,810

Operational Impact

Increases to future pavement maintenance will occur with the additional lane miles of impervious surface added to the roadway network and will be evaluated and incorporated in the Transportation Fund operating budget. This impact will not be known until design details are finalized or after project completion.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Prairie Hawk S-Millers Rndbt to Plum Creek**

Project Number: 76-29
 Contact: Brian Kelley, Engineering Manager
 Department: Public Works Department
 Category: Infrastructure
 Type: Upgrade
 Useful Life: 20 years

Description and Justification

The Town's Transportation Master Plan has identified the need to widen Prairie Hawk Road between Wolfensberger and Plum Creek Parkway. The cross section for this portion of the alignment will be a four-lane roadway between Topeka and Plum Creek Pkwy. The design in 2023 and construction in 2024 would complete the section from Plum Creek Pkwy north to the new Millers Landing roundabout. The section between the Millers roundabout and Topeka would be done at a later date by the Millers Landing development. This extension project is included in the Master Plan as a project to be completed by 2030 in order to accommodate continued growth within the Town. This project objective is in line with one of the community's top priorities to address traffic congestion as identified in the previous Community Surveys.

Expenditures	2024	2025	2026	2027	2028	Total
Design / ROW Phase 1	\$ -	\$ -	\$ -	\$ 631,176	\$ -	\$ 631,176
Construction Phase 1	-	-	-	-	4,045,800	4,045,800
Total Expenditures	\$ -	\$ -	\$ -	\$ 631,176	\$ 4,045,800	\$ 4,676,976

Funding Sources	2024	2025	2026	2027	2028	Total
Impact Fees	\$ -	\$ -	\$ -	\$ 631,176	\$ 4,045,800	\$ 4,676,976
Total Funding Sources	\$ -	\$ -	\$ -	\$ 631,176	\$ 4,045,800	\$ 4,676,976

Operational Impact

Increases to future pavement maintenance will occur with the additional lane-miles of impervious surface added to the roadway network and will be evaluated and incorporated in the Transportation Fund operating budget. This impact will not be known until project completion.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **I-25 Plum Creek Parkway Off Ramp**

Project Number: 79-18
 Contact: Brian Kelley, Engineering Manager
 Department: Public Works Department
 Category: Infrastructure
 Type: New - Upgrade
 Useful Life: 20 years

Description and Justification

This project is intended to complete improvements at the off ramp from I-25 to Plum Creek Parkway. This project was identified in the Town's Transportation Master Plan as need to reduce current and future traffic congestion at this highway exit.

Expenditures	2024	2025	2026	2027	2028	Total
Construction	\$ -	\$ -	\$ -	\$ 1,406,080	\$ -	\$ 1,406,080
Total Expenditures	\$ -	\$ -	\$ -	\$ 1,406,080	\$ -	\$ 1,406,080

Funding Sources	2024	2025	2026	2027	2028	Total
Impact Fees	\$ -	\$ -	\$ -	\$ 1,406,080	\$ -	\$ 1,406,080
Total Funding Sources	\$ -	\$ -	\$ -	\$ 1,406,080	\$ -	\$ 1,406,080

Operational Impact

Increases to future pavement maintenance will occur with the additional lane miles of impervious surface added to the roadway network and will be evaluated and incorporated in the Transportation Fund operating budget. This impact will not be known until design details are finalized or after project completion.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

CONSERVATION TRUST FUND

PARKS & RECREATION DEPARTMENT

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2024	2025	2026	2027	2028	Total
Park Improvements	\$ 1,354,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 7,354,000
Total Expenditures by Year	\$ 1,354,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 7,354,000

Project Funding Sources	2024	2025	2026	2027	2028	Total
Lottery Funds	276,000	\$ 285,000	\$ 296,000	\$ 311,000	\$ 320,000	\$ 1,488,000
Shareback Funds	1,026,300	1,215,000	1,204,000	1,189,000	1,180,000	5,814,300
Fishing is Fun Grant	51,700	-	-	-	-	51,700
Total Funding Sources by Year	\$ 1,354,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 7,354,000

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



Butterfield Crossing Park

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Park Improvements

Project Number: 75-18
 Contact: Jeff Smullen, Assistant Director of Parks & Recreation
 Department: Parks & Recreation Department
 Category: Parks/Trails
 Type: Repair
 Useful Life: 15-20 Years

Description and Justification

The upkeep of parks and open space requires continual investment to maintain existing levels of service. Playground equipment and other park amenities deteriorate with standard wear patterns and have an average life expectancy of 15-20 years. This capital project is reserved each year for life cycle repair and replacement projects throughout Castle Rock, which includes items such as playground replacements, game court, athletic field, and pavilion improvements. This meets the Council-supported strategic plan goal of providing safe, high-quality facilities for residents through the implementation of an annual replacement program. Staff will request Douglas County Shareback funds annually and also receives annual funds from the Colorado Lottery to complete design work, assessment, and capital improvements as necessary for each property as identified through the annual assessment process.

2024 Projects include Paintbrush Park pond improvements for recreational fishing and Centennial Park including tennis and basketball court updates as well as some ADA updates.

Years to be determined for the following proposed projects in the Parks and Recreation Strategic Plan: Plum Creek South park renovations, Founders Park renovations (restroom building, plaza, basketball court, baseball fields, etc.), Challenge Hill Stairs, Castle Highlands Park, Bison and Parrish parks restroom buildings, Philip S. Miller Park amphitheater improvements, Metzler Family homestead cultural/education center, Metzler Ranch Park batting cages, Convert baseball infields at Founders, Mitchell Gulch and Centennial parks to synthetic turf.

Expenditures	2024	2025	2026	2027	2028	Total
Park Improvements	\$ 1,354,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 7,354,000

Total Expenditures	\$ 1,354,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 7,354,000
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Funding Sources	2024	2025	2026	2027	2028	Total
Shareback Funds	\$ 1,026,300	\$ 1,215,000	\$ 1,204,000	\$ 1,189,000	\$ 1,180,000	\$ 5,814,300
Lottery Funds	276,000	285,000	296,000	311,000	320,000	1,488,000
Fishing is Fun Grant	51,700	-	-	-	-	51,700
Total Funding Sources	\$ 1,354,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 7,354,000

Operational Impact

The operational impact of this project will not be known until project completion.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

PARKS AND RECREATION CAPITAL FUND

PARKS & RECREATION DEPARTMENT

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2024	2025	2026	2027	2028	Total
Potential Sports Development Center	\$10,000,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000
Total Expenditures by Year	\$10,000,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000

Project Funding Sources	2024	2025	2026	2027	2028	Total
Impact Fees	\$10,000,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000
Total Funding Sources by Year	\$10,000,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



Castle Rock Recreation Center Fitness and Wellness

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Potential Sports Development Center**

Project Number: 79-14
 Contact: Jeff Smullen, Assistant Director of Parks & Recreation
 Department: Parks & Recreation Department
 Category: Building
 Type: New
 Useful Life: 50 years

Description and Justification

The Parks and Recreation Capital Fund includes planning for both parks and indoor recreation facilities as a core level of service for the Town. A new Sports Development Center is planned for a 2025 opening and is needed to meet the demand created by growth. A new recreation facility is included in the Parks and Recreation approved strategic plan and master plan as it aligns with Council strategic priority of maintaining excellent parks and recreation services.

The plan for the new center has not been fully developed or publicly processed; however, the new facility may include aquatics, gymnasiums, and/or other facilities yet to be determined. In 2024, a down payment is planned for the proposed Sports Development Center. Actual construction and ongoing operating costs will be determined as planning is finalized.

Expenditures	2024	2025	2026	2027	2028	Total
Sports Development Center Downpayment	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000
Total Expenditures	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000

Funding Sources	2024	2025	2026	2027	2028	Total
Impact Fees	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000
Total Funding Sources	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000

Operational Impact

The 2019 feasibility study identified the potential revenue and operational cost of a new indoor recreation facility. The program mix for this facility must consider balancing elements with higher operational costs with revenue producing amenities to meet future cost recovery goals.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

WATER FUND

CASTLE ROCK WATER

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2024	2025	2026	2027	2028	Total
Water Supply Wells	\$ 1,250,000	\$ 7,650,000	\$ 4,250,000	\$ 4,250,000	\$ 4,250,000	\$ 21,650,000
Water Treatment Plant Upgrades/Equip.	-	105,000	-	-	-	105,000
Water Storage (Tank) Projects	-	300,000	5,700,000	-	-	6,000,000
Pump & Distribution System Upgrades	2,200,000	-	-	450,000	3,500,000	6,150,000
Waterline Rehab/Replacement	2,063,000	1,000,000	2,135,000	5,838,000	2,712,000	13,748,000
Security & SCADA System Improvements	2,153,000	1,800,000	77,000	471,000	471,000	4,972,000
General Facility Upgrades & Repl.	750,000	750,000	750,000	750,000	750,000	3,750,000
Advanced Metering Infrastructure	1,696,950	1,699,850	101,000	-	-	3,497,800
Groundwater Rights Purchase	1,300,000	-	-	-	-	1,300,000
Total Expenditures by Year	\$11,412,950	\$13,304,850	\$13,013,000	\$11,759,000	\$11,683,000	\$ 61,172,800

Project Funding Sources	2024	2025	2026	2027	2028	Total
Metered Water Sales	\$11,412,950	\$13,304,850	\$13,013,000	\$11,759,000	\$11,683,000	\$ 61,172,800
System Development Fees	-	-	-	-	-	-
Total Funding Sources by Year	\$11,412,950	\$13,304,850	\$13,013,000	\$11,759,000	\$11,683,000	\$ 61,172,800

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



Modern Day Water Pipes

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Water Supply Wells

Project Number: Multiple
 Contact: Roy Gallea, Engineering Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Replacement
 Useful Life: 25 years

Description and Justification

This project is intended to rehabilitate or replace existing Town of Castle Rock wells as they reach the end of their useful lives.

Variable Frequency Drive (VFD) replacement - This project is intended to replace VFD's which are obsolete; and, placing new VFD, other electrical components and controls outside of the building, away from the water pipe.

Well Redrills - As existing wells deteriorate, they need to be rehabilitated or replaced. Replacement wells generally provide the same yield as a new well, but at a fraction of the cost.

New Wells and Waterlines - New deep groundwater wells and waterlines are budgeted for in 2023, 2025, and 2026 in order to keep up with water demand for the Town. The funding for this project is coming from System Development Fees paid by growth in the community.

Castle Rock Water will be assuming the water treatment and distribution for the Bell Mountain (Mtn) subdivision, and assuming their assets. The existing Bell Mtn well assets are in need of redrill in order to optimize their performance and extend their life. New wells are also planned for the Bell Mtn site. The Bell Mtn Raw Water Pipeline project will transport the raw water to the water treatment plant for treatment and distribution to the community.

Expenditures	2024	2025	2026	2027	2028	Total
Backup Generators at Wells	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 1,250,000
Well Redrill	-	3,000,000	-	3,000,000	-	6,000,000
New Wells and Waterlines	-	3,400,000	3,000,000	-	3,000,000	9,400,000
Well Rehab	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Total Expenditures	\$ 1,250,000	\$ 7,650,000	\$ 4,250,000	\$ 4,250,000	\$ 4,250,000	\$ 21,650,000

Funding Sources	2024	2025	2026	2027	2028	Total
Metered Water Sales	\$ 1,250,000	\$ 7,650,000	\$ 4,250,000	\$ 4,250,000	\$ 4,250,000	\$ 21,650,000
System Development Fees	-	-	-	-	-	-
Total Funding Sources	\$ 1,250,000	\$ 7,650,000	\$ 4,250,000	\$ 4,250,000	\$ 4,250,000	\$ 21,650,000

Operational Impact

Costs will vary for each well depending on the amount and type of rehabilitation, and the depth of the well and will be determined upon project completion and incorporated into operational budgets at that time.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Water Treatment Plant Upgrades/Equip.**

Project Number: Multiple
 Contact: Roy Gallea, Engineering Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Upgrade
 Useful Life: 50 years

Description and Justification

This facility upgrade project provides for miscellaneous improvements at existing Water Treatment Plants (WTP). There are five active water treatment plants, with one dedicated for peak demand in Castle Rock. Examples of specific upgrades include pipe gallery painting, HVAC and cooling unit replacements, door repair and replacement, basin repairs, instrumentation, alarm upgrades, and safety improvements.

The equipment replacement project includes replacing existing electrical and/or mechanical equipment associated with water treatment facilities. These plants are necessary to filter deep aquifer groundwater and for purifying alluvial well water. These facilities require periodic upgrades to instrumentation, controls, and other small upgrades. Electrical and mechanical equipment needs to be replaced as equipment reaches the end of its useful life. A preventive maintenance program associated with asset management will be used to determine replacement schedules based on the type of equipment, service duty, and operating conditions. These projects help Castle Rock Water meet the priority of providing high quality and reliable water service to Town residents and businesses.

Castle Rock Water will be assuming the water treatment and distribution for the Bell Mountain (Mtn) subdivision. The Bell Mtn Water Treatment Plant (WTP) chloramination project will complete upgrades at the existing treatment plant to make the Bell Mtn treated water compatible with Castle Rock treated water. The WTP pH corrosion control project will add pH adjustment capability to the existing water treatment process to optimize the corrosion control potential of the Bell Mtn treated water. This will also make the treated water more compatible with Castle Rock treated water.

Expenditures	2024	2025	2026	2027	2028	Total
WTP Media Replacement	\$ -	\$ 105,000	\$ -	\$ -	\$ -	\$ 105,000
Backup Generators at WTP's	-	-	-	-	-	-
Total Expenditures	\$ -	\$ 105,000	\$ -	\$ -	\$ -	\$ 105,000

Funding Sources	2024	2025	2026	2027	2028	Total
Metered Water Sales	\$ -	\$ 105,000	\$ -	\$ -	\$ -	\$ 105,000
Total Funding Sources	\$ -	\$ 105,000	\$ -	\$ -	\$ -	\$ 105,000

Operational Impact

There is no operational impact anticipated for these projects.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Water Storage (Tank) Projects**

Project Number: 75-33
 Contact: Roy Gallea, Engineering Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Upgrade
 Useful Life: 50 years

Description and Justification

The tank rehabilitation project includes structural and/or site modifications to existing tanks to ensure reliability and tank security as needed.

Expenditures	2024	2025	2026	2027	2028	Total
Tank 6B Reconstruction	\$ -	\$ 300,000	\$ 4,500,000	\$ -	\$ -	\$ 4,800,000
Tank 15 repair	-	-	1,200,000	-	-	1,200,000
Total Expenditures	\$ -	\$ 300,000	\$ 5,700,000	\$ -	\$ -	\$ 6,000,000

Funding Sources	2024	2025	2026	2027	2028	Total
Metered Water Sales	\$ -	\$ 300,000	\$ 5,700,000	\$ -	\$ -	\$ 6,000,000
Total Funding Sources	\$ -	\$ 300,000	\$ 5,700,000	\$ -	\$ -	\$ 6,000,000

Operational Impact

Future repair and maintenance of tanks is ongoing and is included within currently budgeted maintenance and personnel costs.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Pump & Distribution System Upgrades

Project Number: Multiple
 Contact: Roy Gallea, Engineering Manager
 Department: Castle Rock Water
 Category: Equipment
 Type: Upgrade
 Useful Life: 25 years

Description and Justification

The Town has nine active pump stations that are over ten years old. Pump stations are critical to providing water to customers and for moving water around Town. Although a pump station facility has an overall 50 year service life, the individual components (pumps, motors, flow meters, valves, etc.) need replacement at shorter intervals. Water Infrastructure and Supply Efficiency (WISE) deliveries are expected to increase over time as more renewable water sources are added. Modeling indicates that to accommodate and deliver WISE water around Town, future pumping capacity in the Red and Green Zones will have to be increased in 2025 to move the water to distribution and storage.

These projects help Castle Rock Water meet the priority of providing high quality water service to Town residents and businesses.

Expenditures	2024	2025	2026	2027	2028	Total
Green Zone Pumping	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	\$ 1,100,000
Red Zone Pumping	1,100,000	-	-	-	-	1,100,000
Hillside Pump Station	-	-	-	300,000	3,000,000	3,300,000
Surge Tank at Diamond Ridge Pump Station	-	-	-	150,000	500,000	650,000
Total Expenditures	\$ 2,200,000	\$ -	\$ -	\$ 450,000	\$ 3,500,000	\$ 6,150,000

Funding Sources	2024	2025	2026	2027	2028	Total
Metered Water Sales	\$ 2,200,000	\$ -	\$ -	\$ 450,000	\$ 3,500,000	\$ 6,150,000
System Development Fees						-
Total Funding Sources	\$ 2,200,000	\$ -	\$ -	\$ 450,000	\$ 3,500,000	\$ 6,150,000

Operational Impact

Red Zone Pumping Upsize estimated operating costs are \$30,074 annually and are incorporated into the Water Fund operations budget.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Waterline Rehab/Replacement**

Project Number: Multiple
 Contact: Roy Gallea, Engineering Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Replacement
 Useful Life: 50 years

Description and Justification

The Distribution System Upgrades projects usually include projects such as replacing or upsizing pressure reducing vaults (PRV), or replacing old valves and are meant to extend the lifetime of the asset. The Tank 18 Blue Zone transmission line is a project identified in the 2017 Water Master Plan. The blue zone transmission line is required to send water up to the new 2.0 M gal Cobblestone tank, which will be constructed in 2022. The new tank will improve distribution system and fire flow reliability for the Cobblestone neighborhood.

Expenditures	2024	2025	2026	2027	2028	Total
Pump Creek WTP to Tank 12 Transmission	\$ -	\$ -	\$ -	\$ 3,838,000	\$ -	\$ 3,838,000
Young American Rehab Phase 1	1,000,000	1,000,000	-	-	-	2,000,000
Young American Rehab Phase 2	-	-	-	-	-	-
Ligget Rd Upsize	-	-	-	-	-	-
Front Street connection	1,063,000	-	-	-	-	1,063,000
Waterline Rehab/Replacement	-	-	2,000,000	2,000,000	2,000,000	6,000,000
Woodlands Founders PRV	-	-	135,000	-	-	135,000
Hillside PS Pumping Improvements 12in	-	-	-	-	712,000	712,000
Total Expenditures	\$ 2,063,000	\$ 1,000,000	\$ 2,135,000	\$ 5,838,000	\$ 2,712,000	\$ 13,748,000

Funding Sources	2024	2025	2026	2027	2028	Total
Metered Water Sales	\$ 2,063,000	\$ 1,000,000	\$ 2,135,000	\$ 5,838,000	\$ 2,712,000	\$ 13,748,000
System Development Fees	-	-	-	-	-	-
Total Funding Sources	\$ 2,063,000	\$ 1,000,000	\$ 2,135,000	\$ 5,838,000	\$ 2,712,000	\$ 13,748,000

Operational Impact

There are no additional future operating expenditures associated with rehabilitation/replacement.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Security & SCADA System Improvements**

Project Number: Multiple
 Contact: Mark Marlowe, Director of Castle Rock Water
 Department: Castle Rock Water
 Category: Building
 Type: Upgrade
 Useful Life: 20 years

Description and Justification

This project is intended to accomplish miscellaneous small projects to increase facility security in accordance with the Facilities Vulnerability Assessment and Supervisory Control And Data Acquisition (SCADA) Master Plan and accomplish future year water transmission and distribution facility upgrades. Projects include electronic access control at all water facilities through installation of card readers or replacement of mechanical locks with electronic locks operated by programmable keys. Other projects include repair and replacement of fencing and installation of secure gates.

The SCADA master plan is a six-year plan to replace all aging telemetry and system controls across the Castle Rock Water system to ensure reliability and system integrity. SCADA system capital improvements in 2022 include system-wide telemetry network upgrades and backhaul system network upgrades, various PLC (programmable logic controllers) upgrades, and network upgrades at the Ray Water Regional Water treatment center.

Expenditures	2024	2025	2026	2027	2028	Total
SCADA System Capital Improvements	\$ 2,153,000	\$ 1,800,000	\$ 77,000	\$ 471,000	\$ 471,000	\$ 4,972,000
Total Expenditures	\$ 2,153,000	\$ 1,800,000	\$ 77,000	\$ 471,000	\$ 471,000	\$ 4,972,000

Funding Sources	2024	2025	2026	2027	2028	Total
Metered Water Sales	\$ 2,153,000	\$ 1,800,000	\$ 77,000	\$ 471,000	\$ 471,000	\$ 4,972,000
Total Funding Sources	\$ 2,153,000	\$ 1,800,000	\$ 77,000	\$ 471,000	\$ 471,000	\$ 4,972,000

Operational Impact

There are no additional future operating expenditures associated with Security and SCADA System Improvements.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Groundwater Rights Purchase**

Project Number: Multiple
 Contact: Mark Marlowe, Director of Castle Rock Water
 Department: Castle Rock Water
 Category: Water Rights
 Type: Planning/Design
 Useful Life: N/A

Description and Justification

Lost Canyon Ranch Property (682.21 acres) is a potential open space acquisition that the Town and Douglas County are interested in partnering on the project and the Town is taking the lead with appraisal services and negotiations. The subject property is located on the east side of Ridge Road, adjacent to and east of land in Town of Castle Rock, and west of Castlewood Canyon State Park.

Castle Rock Water is purchasing the water rights at this potential open space property.

Expenditures	2024	2025	2026	2027	2028	Total
Groundwater Rights Purchase	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	1,300,000
Total Expenditures	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	1,300,000

Funding Sources	2024	2025	2026	2027	2028	Total
Metered Water Sales	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	1,300,000
Total Funding Sources	\$ 1,300,000	\$ -	\$ -	\$ -	\$ -	1,300,000

Operational Impact

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **General Facility Upgrades & Repl.**

Project Number: Multiple
 Contact: Tim Friday, Assistant Director of Castle Rock Water
 Department: Castle Rock Water
 Category: Equipment
 Type: Upgrade
 Useful Life: 20 years

Description and Justification

The general facility project is intended to upgrade an existing booster pump station, pressure reducing valves, and other water facility improvements. The facilities capital replacements project will facilitate maintaining building functionality by making needed updates and replacing portions of various facilities.

The Town operates five water treatment plants, many pump stations, pressure reducing vaults, buildings, and office space. All of these facilities require maintenance and replacements of various items and equipment. Small projects to improve the functionality and/or appearance of Town facilities are necessary. These projects include drainage, landscaping, siding and roofing, and site improvements at existing pump stations. As buildings age, components will require replacement. As a formal asset management program develops, capital replacements will become well defined. This project is created to accommodate those needs. The existing access to many sites is unimproved or gravel access that requires ongoing maintenance, particularly during the winter. Snowplowing and access, in general, will be improved by paving and otherwise improving site access. These projects help Castle Rock Water meet the priority of providing high quality water service to Town residents and businesses.

Expenditures	2024	2025	2026	2027	2028	Total
Facilities Paving Program	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000
O&M - Water Replacements	400,000	400,000	400,000	400,000	400,000	2,000,000
O&M - Water Upgrades	300,000	300,000	300,000	300,000	300,000	1,500,000
Total Expenditures	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,750,000

Funding Sources	2024	2025	2026	2027	2028	Total
Metered Water Sales	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,750,000
Total Funding Sources	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 750,000	\$ 3,750,000

Operational Impact

There are no additional future operating expenditures associated with rehabilitation/replacement.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Advanced Metering Infrastructure

Project Number: 77-15
 Contact: Nichol Bussey, Business Solution Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Upgrade
 Useful Life: 20 years

Description and Justification

This capital project is for design, planning, and implementation of Advanced Metering Infrastructure (AMI). Currently meter reads are performed once a month on the 1st-3rd of every month via drive by technology. This AMI technology would provide radio reads via tower technology with the frequency desired without the need to roll a truck. To reach full implementation and functionality approximately 13k meters would need to be upgraded to smart meter technology. Several Meter Transceiver Units (MXUs), which are the transmitters would also need to be upgraded from "R" radios to "M" radios, approximately 13k units. Staff has already been putting in the smart meters and upgraded MXU's in each new build as well as replacing existing infrastructure with the new technology as needed. An assumption in the total costs is the rollout of the newest technology for residential accounts called the Ally ¾" Meter. This meter provides remote disconnection and reconnection via tower technology. It not only provides alerts to the customer for water usage, leak detection, pressure and temperature, but also helps identify possible issues in the distribution system. In addition to the replacement of the meters and MXUs, costs also included are for purchase and installation of three towers, three gateway base stations, two remote collectors, demand meter management software and analytics software.

Expenditures	2024	2025	2026	2027	2028	Total
Advanced Metering Infrastructure	\$ 1,696,950	\$ 1,699,850	\$ 101,000	\$ -	\$ -	\$ 3,497,800
Total Expenditures	\$ 1,696,950	\$ 1,699,850	\$ 101,000	\$ -	\$ -	\$ 3,497,800

Funding Sources	2024	2025	2026	2027	2028	Total
Metered Water Sales	\$ 1,696,950	\$ 1,699,850	\$ 101,000	\$ -	\$ -	\$ 3,497,800
Total Funding Sources	\$ 1,696,950	\$ 1,699,850	\$ 101,000	\$ -	\$ -	\$ 3,497,800

Operational Impact

Recurring costs include annual software maintenance costs and one FTE for an AMI coordinator/meter demand management.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

WATER RESOURCES FUND

CASTLE ROCK WATER

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2024	2025	2026	2027	2028	Total
Plum Creek to RHR Pipeline and Pump Station	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ 500,000
Cherry Creek Basin Water Infrastructure	13,590,000	-	-	-	-	13,590,000
PCWPF Expansion & PC Central Pipeline	22,890,667	27,040,667	27,540,667	950,000	500,000	78,922,001
Alternative Source of Supply Project	200,000	250,000	-	-	-	450,000
Chatfield Reallocation and Pump-Back Projects	1,597,596	500,000	1,097,596	6,297,596	11,097,596	20,590,384
Miscellaneous Projects	150,000	275,000	2,433,000	1,300,000	1,300,000	5,458,000
Advanced Metering Infrastructure	848,480	849,930	50,500	-	-	1,748,910
WISE Project	7,420,050	4,908,840	1,429,150	37,437,150	1,446,150	52,641,340
Rueter-Hess Water Purification Facility Capacity	200,000	-	-	-	-	200,000
Total Expenditures by Year	\$47,396,793	\$33,824,437	\$ 32,550,913	\$45,984,746	\$ 14,343,746	\$ 174,100,635

Project Funding Sources	2024	2025	2026	2027	2028	Total
System Development Fees	\$27,928,988	\$19,784,704	\$ 19,500,248	\$27,590,848	\$ 8,606,248	\$ 103,411,035
Water Resources Fees	19,467,805	14,039,733	13,050,665	18,393,898	5,737,498	70,689,600
Total Funding Sources by Year	\$47,396,793	\$33,824,437	\$ 32,550,913	\$45,984,746	\$ 14,343,746	\$ 174,100,635

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Plum Creek to RHR Pipeline and Pump Station

Project Number: 78-04
 Contact: Matt Benak, Water Resources Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: New
 Useful Life: 50 years

Description and Justification

This project addresses permitting and construction of a new pump station, pipeline and outlet structure into Rueter-Hess Reservoir so that a portion of the Town's water rights can be transmitted for storage and, subsequently for treatment at Parker's Rueter Hess Reservoir Water Purification Facility (RHWPF). The initial project will be designed to move approximately 1,000 acre-feet of water per year.

Expenditures	2024	2025	2026	2027	2028	Total
Newlin Gulch Pipeline and Pump Station	\$ 500,000	\$ -	\$ -	\$ -	\$ -	500,000
Total Expenditures	\$ 500,000	\$ -	\$ -	\$ -	\$ -	500,000
Funding Sources	2024	2025	2026	2027	2028	Total
System Development Fees	\$ 300,000	\$ -	\$ -	\$ -	\$ -	300,000
Water Resources Fees	200,000	-	-	-	-	200,000
Total Funding Sources	\$ 500,000	\$ -	\$ -	\$ -	\$ -	500,000

Operational Impact

The operational impact of this project will be known following project completion. These costs will primarily be related to electricity for pumping. Costs will be budgeted in the future when better understood.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Cherry Creek Basin Water Infrastructure

Project Number: 79-17, 75-47
 Contact: Matt Benak, Water Resources Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: New
 Useful Life: 50 Years

Description and Justification

As part of Castle Rock's goal towards 75% renewable water, the Town has become members of the Cherry Creek Project Water Authority (CCPWA). This membership gives Castle Rock access to approximately 247 acre-feet of renewable surface water annually (on average) within the Cherry Creek Basin as well as additional groundwater resources and junior water rights. The Town is seeking to put the renewable water to immediate use through a partnership with the Pinery. New infrastructure will need to be constructed to pump, transmit and store the Cherry Creek water rights to realize the maximum yield. Additional monies are included beyond the 5-year planning horizon for other renewable water rights opportunities that may become available in close proximity to Castle Rock.

Expenditures	2024	2025	2026	2027	2028	Total
CC Basin Infrastructure	\$ 11,090,000	\$ -	\$ -	\$ -	\$ -	\$ 11,090,000
Water Rights Acquisition	2,500,000	-	-	-	-	2,500,000
Total Expenditures	\$ 13,590,000	\$ -	\$ -	\$ -	\$ -	\$ 13,590,000

Funding Sources	2024	2025	2026	2027	2028	Total
System Development Fees	\$ 8,154,000	\$ -	\$ -	\$ -	\$ -	\$ 8,154,000
Water Resources Fees	5,436,000	-	-	-	-	5,436,000
Total Funding Sources	\$ 13,590,000	\$ -	\$ -	\$ -	\$ -	\$ 13,590,000

Operational Impact

Operational costs and general dues for the CCPWA are included in Water Resources are estimated at \$120,000 annually.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name PCWPF Expansion & PC Central Pipeline

Project Number: 77-75; 76-63
 Contact: Matt Benak, Water Resources Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Upgrade
 Useful Life: 50 years

Description and Justification

Advanced treatment processes are necessary for the effective treatment of the Town's Plum Creek surface water and reuse water supplies. The future goal of the Town is to provide 75% renewable water supply annually to its customers and this project will be a key component to achieve that goal. Ultimate treatment capacity at Plum Creek Water Purification Facility (PCWPF) will be 12 million gallons per day. The membrane racks need to be replaced every 10 years, the first set was installed in 2013.

Expenditures	2024	2025	2026	2027	2028	Total
PCWPF Expansion	\$ 20,740,667	\$ 20,740,667	\$ 20,740,667	\$ -	\$ -	\$ 62,222,001
Replace Membrane Rack	450,000	450,000	450,000	450,000	-	1,800,000
Plum Creek Pipeline to PCWPF	1,700,000	5,850,000	5,850,000	-	-	13,400,000
GAC Replacement	-	-	500,000	500,000	500,000	1,500,000
Total Expenditures	\$ 22,890,667	\$ 27,040,667	\$ 27,540,667	\$ 950,000	\$ 500,000	\$ 78,922,001

Funding Sources	2024	2025	2026	2027	2028	Total
System Development Fees	\$ 13,734,400	\$ 16,224,400	\$ 16,524,400	\$ 570,000	\$ 300,000	\$ 47,353,201
Water Resources Fees	9,156,267	10,816,267	11,016,267	380,000	200,000	31,568,800
Total Funding Sources	\$ 22,890,667	\$ 27,040,667	\$ 27,540,667	\$ 950,000	\$ 500,000	\$ 78,922,001

Operational Impact

Estimated operation and maintenance costs for advanced treatment processes are estimated \$1.1 million in 2023 and beyond and are incorporated in the Water Resources Fund's operations budget.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Alternative Source of Supply Project**

Project Number: 77-30
 Contact: Matt Benak, Water Resources Manager
 Department: Castle Rock Water
 Category: Water Rights
 Type: Upgrade
 Useful Life: 50 years

Description and Justification

Sustainable water supplies must be imported to the Town with a focus on proximity and feasibility in order to meet the goal of 75 percent renewable water. This project entails importing an additional 2,500 acre-feet of renewable and fully consumable water from the South Platte River Basin, northeast of the Denver metro area. It includes the purchase of approximately 2,500 acre-feet of renewable surface water rights and all legal costs associated with enabling the water to be used in Castle Rock. It includes legal and engineering due diligence, construction of a well field on the Box Elder property (located in Weld County), demolishing current structures on Box Elder property, abandoning existing wells, developing new pumping systems, and raw water transmission pipelines. This project also includes obtaining capacity in East Cherry Creek Valley (ECCV) Water & Sanitation District's Northern Pipeline plus pump stations and treatment capacity in ECCV's water treatment plant.

Expenditures	2024	2025	2026	2027	2028	Total
Box Elder Creek Project Due Diligence	\$ 200,000	\$ 250,000	\$ -	\$ -	\$ -	\$ 450,000
Water Rights Acquisition	-	-	-	-	-	-
Total Expenditures	\$ 200,000	\$ 250,000	\$ -	\$ -	\$ -	\$ 450,000

Funding Sources	2024	2025	2026	2027	2028	Total
System Development Fees	\$ 120,000	\$ 150,000	\$ -	\$ -	\$ -	\$ 270,000
Water Resources Fees	80,000	100,000	-	-	-	180,000
Total Funding Sources	\$ 200,000	\$ 250,000	\$ -	\$ -	\$ -	\$ 450,000

Operational Impact

Operating costs are not currently estimated as construction of infrastructure to move the water is not planned to begin until year 2030. The operational costs will be funded by rates.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Chatfield Reallocation and Pump-Back Projects

Project Number: 77-29, 78-03
 Contact: Matt Benak, Water Resources Manager
 Department: Castle Rock Water
 Category: Water Rights
 Type: Upgrade
 Useful Life: Perpetual

Description and Justification

This project will fund the participation and maintenance costs of the Town's owned storage space (719 acre-feet) in the Chatfield Reservoir Reallocation Project. The Town plans to increase its ultimate storage capacity to 2,000 acre-feet over the next 12 years. This project has been identified as a critical component of the Town's Water Resources Strategic Master Plan, which includes maximizing the Town's existing supplies and finding the most efficient solutions to meet the Town's long term renewable water supply goals. Specifically, this storage space will allow enhanced management capabilities for the Town's Plum Creek water rights, including treated return flows in the Plum Creek basin, and native rights along Plum Creek and the South Platte River. This project is funded in partnership with multiple entities and managed by the Chatfield Reservoir Mitigation Company (CRMC). Additionally, Castle Rock is in the process of determining how best to physically pump and transmit the stored Chatfield supplies back to the Town with the Chatfield West-Side Alternatives Project that may involve regional partnerships.

Expenditures	2024	2025	2026	2027	2028	Total
Additional Storage	\$ 1,097,596	\$ -	\$ 1,097,596	\$ 1,097,596	\$ 1,097,596	\$ 4,390,384
Chatfield West-Side Alternatives Project	500,000	500,000	-	5,200,000	10,000,000	16,200,000
Total Expenditures	\$ 1,597,596	\$ 500,000	\$ 1,097,596	\$ 6,297,596	\$ 11,097,596	\$ 20,590,384
Funding Sources	2024	2025	2026	2027	2028	Total
System Development Fees	\$ 958,558	\$ 300,000	\$ 658,558	\$ 3,778,558	\$ 6,658,558	\$ 12,354,230
Water Resources Fees	639,038	200,000	439,038	2,519,038	4,439,038	8,236,154
Total Funding Sources	\$ 1,597,596	\$ 500,000	\$ 1,097,596	\$ 6,297,596	\$ 11,097,596	\$ 20,590,384

Operational Impact

Operating and maintenance expenses of the Town's capacity in the Chatfield Reservoir Storage Project are anticipated to be approximately \$256,000 to \$270,000 a year which is incorporated in the Water Resources Fund's operations budget.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Miscellaneous Projects

Project Number: Multiple
 Contact: Matt Benak, Water Resources Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Upgrade
 Useful Life: 50 years

Description and Justification

This capital improvement project addresses several needs including the construction of two additional Aquifer Storage and Recovery (ASR) wells, ASR control valve replacement, the redrill of certain Town alluvial wells, and additional stream gages to better administer certain water rights for the Town. Aquifer storage and recovery is the process that allows the Town to put excess water downhole into the aquifer through a control valve installed in the well for storage and later recovery through pumping.

Expenditures	2024	2025	2026	2027	2028	Total
ASR Program	\$ -	\$ -	\$ 1,133,000	\$ -	\$ -	\$ 1,133,000
ASR Program Control Valve Replacement	-	275,000	-	-	-	275,000
Alluvial Well Redrill	-	-	1,300,000	1,300,000	1,300,000	3,900,000
Stream Gages	150,000	-	-	-	-	150,000
Total Expenditures	\$ 150,000	\$ 275,000	\$ 2,433,000	\$ 1,300,000	\$ 1,300,000	\$ 5,458,000

Funding Sources	2024	2025	2026	2027	2028	Total
System Development Fees	\$ 90,000	\$ 165,000	\$ 1,459,800	\$ 780,000	\$ 780,000	\$ 3,274,800
Water Resources Fees	60,000	110,000	973,200	520,000	520,000	2,183,200
Total Funding Sources	\$ 150,000	\$ 275,000	\$ 2,433,000	\$ 1,300,000	\$ 1,300,000	\$ 5,458,000

Operational Impact

The ASR wells and alluvial well redrills will have operational impacts and will be budgeted in the future following completion of projects.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Advanced Metering Infrastructure

Project Number: 77-15
 Contact: Nichol Bussey, Business Solutions Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Upgrade
 Useful Life: 20 years

Description and Justification

This capital project is for design, planning and implementation of an Advanced Metering Infrastructure (AMI). Currently meter reads are performed once a month on the 1st-3rd of every month via drive by technology. This AMI technology would provide radio reads via tower technology with the frequency desired without the need to roll a truck. To reach full implementation and functionality approximately 13k meters would need to be upgraded to smart meter technology. Several MXUs, which are the transmitters would also need to be upgraded from “R” radios to “M” radios, approximately 13k units. Staff has already been putting in the smart meters and upgraded MXU’s in each new build as well as replacing existing infrastructure with the new technology as needed. An assumption in the total costs is the rollout of the newest technology for residential accounts called the Ally ¾” Meter. This meter provides remote disconnection and reconnection via tower technology. It not only provides alerts to the customer for water usage, leak detection, pressure and temperature, but also helps identify possible issues in the distribution system. In addition to the replacement of the meters and MXUs, costs also included are for purchase and installation of 3 towers, 3 gateway base stations, 2 remote collectors, demand meter management software and analytics software. It would not be feasible to accomplish this project in 3-5 years with the current staff changing out 13k meters and 13k MXU’s along with the daily responsibilities they already have with growth and existing infrastructure, so costs for third party installation have been included.

Expenditures	2024	2025	2026	2027	2028	Total
Advanced Metering Infrastructure	\$ 848,480	\$ 849,930	\$ 50,500	\$ -	\$ -	\$ 1,748,910
Total Expenditures	\$ 848,480	\$ 849,930	\$ 50,500	\$ -	\$ -	\$ 1,748,910

Funding Sources	2024	2025	2026	2027	2028	Total
Water Resources Fees	\$ 848,480	\$ 849,930	\$ 50,500	\$ -	\$ -	\$ 1,748,910
Total Funding Sources	\$ 848,480	\$ 849,930	\$ 50,500	\$ -	\$ -	\$ 1,748,910

Operational Impact

Recurring costs include annual software maintenance costs and one FTE for an AMI coordinator/meter demand management.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

WISE Project

Project Number: 77-72
 Contact: Matt Benak, Water Resources Manager
 Department: Castle Rock Water
 Category: Water Rights
 Type: Upgrade
 Useful Life: Perpetual/50 years

Description and Justification

The WISE (Water Infrastructure and Supply Efficiency) project is a part of the Town's Strategic goal to transition to a 75% renewable water supply for the future. As part of this strategy, sustainable water supplies must be imported to the Town with a focus on proximity and feasibility in order to help meet this goal. This project includes securing 2,000 acre-feet per year (AF/yr.) of water (Castle Rock's original subscription plus 1,000 AF of the Douglas County Option water) on average from Denver and Aurora and will build infrastructure necessary to move water from the Peter Binney Water Purification Facility located near Aurora Reservoir to the Town of Castle Rock. This part of the project includes additional pipeline connections, and infrastructure expansion through Parker Water & Sanitation District's (PWSD) system. Jacobs Engineering was hired to complete a Salinity Management Study with the purpose of determining the best methods to handle increased salinity in the water supply. (Town of Castle Rock cost at \$40M (spread out over 4 years). Operating expenses include subscription, and wheeling fees. (Fees are based on actual annual water purchased).

Expenditures	2024	2025	2026	2027	2028	Total
PWSD Asset Recovery Charges	\$ 290,000	\$ 298,000	\$ 306,000	\$ 314,000	\$ 323,000	\$ 1,531,000
WISE Infrastructure (Pipelines, WISE PS)	6,250,000	-	-	-	-	6,250,000
WISE Infrastructure: Desalination Facilities	150,000	3,600,000	-	36,000,000	-	39,750,000
WISE Option Agreement Reserve	730,050	1,010,840	1,123,150	1,123,150	1,123,150	5,110,340
Total Expenditures	\$ 7,420,050	\$ 4,908,840	\$ 1,429,150	\$ 37,437,150	\$ 1,446,150	\$ 52,641,340

Funding Sources	2024	2025	2026	2027	2028	Total
System Development Fees	\$ 4,452,030	\$ 2,945,304	\$ 857,490	\$ 22,462,290	\$ 867,690	\$ 31,584,804
Water Resources Fees	2,968,020	1,963,536	571,660	14,974,860	578,460	21,056,536
Total Funding Sources	\$ 7,420,050	\$ 4,908,840	\$ 1,429,150	\$ 37,437,150	\$ 1,446,150	\$ 52,641,340

Operational Impact

Operating costs for the WISE project will be variable based on actual annual water purchased and paid by rates and fees. Operational cost estimates are approximately \$5.2 million each year once the full WISE delivery schedule begins in 2026 and beyond and are incorporated in the Water Resources Fund's operations budget.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Rueter-Hess Water Purification Facility Capacity

Project Number: 79-06

Contact: Matt Benak, Water Resources Manager

Department: Castle Rock Water

Category: Infrastructure

Type: Upgrade

Useful Life: 50 years

5 Year Historical Total \$ -

2024-2028 Total 200,000

CIP Project Total (2019-2028): \$ 200,000

Description and Justification

This project involves cost-sharing with Parker Water and Sanitation District's (PWSD's) to construct dedicated treatment capacity at their Rueter-Hess Water Purification Facility (RHWPF). This will allow the Town can treat its stored water supplies from Rueter-Hess Reservoir. Castle Rock will be studying the ultimate treatment capacity that will be necessary to meet long-term demand goals.

Expenditures	2024	2025	2026	2027	2028	Total
Capacity in PWSD RHWTF	\$ 200,000	\$ -	\$ -	\$ -	\$ -	200,000
Total Expenditures	\$ 200,000	\$ -	\$ -	\$ -	\$ -	200,000
Funding Sources	2024	2025	2026	2027	2028	Total
System Development Fees	\$ 120,000	\$ -	\$ -	\$ -	\$ -	120,000
Water Resources Fees	80,000	-	-	-	-	80,000
Total Funding Sources	\$ 200,000	\$ -	\$ -	\$ -	\$ -	200,000

Operational Impact

Operational costs will likely be included in the treated water rate charged by PWSD to Castle Rock.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

STORMWATER FUND

CASTLE ROCK WATER

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2024	2025	2026	2027	2028	Total
Minor Drainageway Stabilization	\$ -	\$ -	\$ -	\$ 224,885	\$ -	\$ 224,885
Stream Stabilization	3,627,497	1,320,000	2,640,000	250,000	750,000	8,587,497
Detention Pond Retrofits	65,840	68,017	70,203	72,392	74,582	351,034
Watershed Master Plan Updates	245,851	254,456	263,362	400,000	84,819	1,248,487
Storm Sewer Rehabilitation	685,034	506,478	516,987	527,493	180,000	2,415,992
Total Expenditures by Year	\$ 4,624,222	\$ 2,148,951	\$ 3,490,552	\$ 1,474,770	\$ 1,089,401	\$ 12,827,895

Project Funding Sources	2024	2025	2026	2027	2028	Total
Stormwater Charges	\$ 898,457	\$ 1,054,546	\$ 1,402,493	\$ 976,412	\$ 1,061,381	\$ 5,393,290
System Development Fees	3,725,765	1,094,404	2,088,058	498,358	28,019	7,434,605
Total Funding Sources by Year	\$ 4,624,222	\$ 2,148,951	\$ 3,490,552	\$ 1,474,770	\$ 1,089,401	\$ 12,827,895

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



Omni Tributary

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Minor Drainageway Stabilization**

Project Number: Multiple
 Contact: David Van Dellen, Stormwater Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Repair
 Useful Life: 50 years

Description and Justification

This project includes new infrastructure on small channel systems downstream of development to correct erosion where the existing minor drainage way system is incomplete. Minor drainage ways are natural or engineered conveyance systems with an upstream drainage area less than 130 acres. If improvements are not made, these systems pose a potential public safety hazard and flood risk. These improvements provide adequate capacity based on growth and stabilization. Projects are divided between the Plum Creek Basin (PC) and the Cherry Creek Basin (CC). This project helps Castle Rock Water provide high quality water service to Town residents and businesses by managing stormwater runoff and flood risks. Funding for these improvements is split between stormwater charges and system development fees to account for existing infrastructure needs and impacts due to growth.

Expenditures	2024	2025	2026	2027	2028	Total
Minor Drainage Way Stab PC	\$ -	\$ -	\$ -	\$ 122,607	\$ -	\$ 122,607
Minor Drainage Way Stab CC	-	-	-	102,278	-	102,278
Total Expenditures	\$ -	\$ -	\$ -	\$ 224,885	\$ -	\$ 224,885

Funding Sources	2024	2025	2026	2027	2028	Total
Stormwater Charges	\$ -	\$ -	\$ -	\$ 140,648	\$ -	\$ 140,648
System Development Fees	-	-	-	84,236	-	84,236
Total Funding Sources	\$ -	\$ -	\$ -	\$ 224,885	\$ -	\$ 224,885

Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Stream Stabilization**

Project Number: Multiple
 Contact: David Van Dellen, Stormwater Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Repair
 Useful Life: 50 years

Description and Justification

This project includes stream channel stabilization throughout Castle Rock. Tributaries are part of the major drainage way networks that include watersheds with an upstream area greater than 130 acres, also known as the 100-year floodplain. These projects were identified in the 2017 Stormwater Master Plan as a scheduled activity. Stream improvements generally include natural or engineered segments of vegetated stream. Improvements also ensure adequate flood capacity in the channel to reduce flood potential for adjacent properties. Improvements to the natural drainage way are required to mitigate development impacts that accelerate erosion and pose a potential public safety hazard if left unattended over time. This project will restore a sustainable channel system for water quality and flood control. The improvements will reduce channel erosion and protect adjacent property from loss during flooding. Projects are divided between the Plum Creek Basin (PC) and the Cherry Creek Basin (CC). This project helps Castle Rock Water provide high quality water service to Town residents and businesses by managing stormwater runoff and flood risks. Funding for these improvements is split between stormwater charges and system development fees to account for existing infrastructure needs and impacts due to growth. Stream Stabilization projects are listed below by year:

- 2024 - McMurdo Gulch
- 2025 - Sellars Gulch
- 2026 - McMurdo Gulch, East Plum Creek
- 2027 - McMurdo Gulch
- 2028 - Mitchell Gulch

Expenditures	2024	2025	2026	2027	2028	Total
Total Drainage Way Stabilization PC	\$ -	\$ 1,320,000	\$ 2,640,000	\$ -	\$ -	\$ 3,960,000
Total Drainage Way Stabilization CC	3,627,497	-	-	250,000	750,000	4,627,497
Total Expenditures	\$ 3,627,497	\$ 1,320,000	\$ 2,640,000	\$ 250,000	\$ 750,000	\$ 8,587,497

Funding Sources	2024	2025	2026	2027	2028	Total
Stormwater Charges	\$ -	\$ 330,000	\$ 660,000	\$ -	\$ 750,000	\$ 1,740,000
System Development Fees	3,627,497	990,000	1,980,000	250,000	-	6,847,497
Total Funding Sources	\$ 3,627,497	\$ 1,320,000	\$ 2,640,000	\$ 250,000	\$ 750,000	\$ 8,587,497

Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Detention Pond Retrofits

Project Number: 77-18
 Contact: David Van Dellen, Stormwater Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Upgrade
 Useful Life: 50 years

Description and Justification

This project includes regional detention pond retrofits to facilities that demonstrate an excessive operation and maintenance burden on the program. Generally, older water quality and detention facilities require upgrades to the outflow structure and other pond features to improve runoff circulation through the facility and reduce clogging potential. Ponds are evaluated on an ongoing basis and projects are identified as needed. This project helps Castle Rock Water provide high quality water service to Town residents and businesses by managing stormwater runoff and flood risks. Funding for this project is from monthly service charges to address existing infrastructure needs.

Expenditures	2024	2025	2026	2027	2028	Total
Detention Ponds	\$ 65,840	\$ 68,017	\$ 70,203	\$ 72,392	\$ 74,582	\$ 351,034

Total Expenditures	\$ 65,840	\$ 68,017	\$ 70,203	\$ 72,392	\$ 74,582	\$ 351,034
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Funding Sources	2024	2025	2026	2027	2028	Total
Stormwater Charges	\$ 65,840	\$ 68,017	\$ 70,203	\$ 72,392	\$ 74,582	\$ 351,034

Total Funding Sources	\$ 65,840	\$ 68,017	\$ 70,203	\$ 72,392	\$ 74,582	\$ 351,034
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Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Watershed Master Plan Updates

Project Number: 78-74
 Contact: David Van Dellen, Stormwater Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Upgrade
 Useful Life: Perpetual

Description and Justification

The Stormwater Capital Program includes updating 19 Major Drainage way Master Plans (MP) covering over 71 miles of floodplain system. Periodic updates to these plans are required to account for changes in watershed hydrology, stream stability assessment, and capital plan prioritization. It is estimated that approximately four plans will be updated annually over a five year period. A master plan GIS database tool is needed to support modeling efforts, track capital completion status, and facilitate coordination with other stakeholder projects. This project helps Castle Rock Water provide high quality water service to Town residents and businesses by managing stormwater runoff and flood risks. Funds are allocated between rates and fees based on impacts estimated from existing development and growth.

Expenditures	2024	2025	2026	2027	2028	Total
Watershed MP Updates	\$ 245,851	\$ 254,456	\$ 263,362	\$ 400,000	\$ 84,819	\$ 1,248,487
Total Expenditures	\$ 245,851	\$ 254,456	\$ 263,362	\$ 400,000	\$ 84,819	\$ 1,248,487

Funding Sources	2024	2025	2026	2027	2028	Total
Stormwater Charges	\$ 147,583	\$ 150,052	\$ 155,303	\$ 235,878	\$ 56,799	\$ 745,616
System Development Fees	98,268	104,404	108,058	164,122	28,019	502,872
Total Funding Sources	\$ 245,851	\$ 254,456	\$ 263,362	\$ 400,000	\$ 84,819	\$ 1,248,487

Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Storm Sewer Rehabilitation**

Project Number: Multiple
 Contact: David Van Dellen, Stormwater Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Repair
 Useful Life: 20-50 years

Description and Justification

This program is required to address aging stormwater infrastructure. Existing corrugated metal pipe (CMP) has an average life expectancy of 30 years and reinforced concrete pipe (RCP) has an average life expectancy of 50 years. If a pipe fails due to corrosion or collapse this will result in subgrade failure in pavement above the pipe. This program will help ensure rehabilitation to existing storm sewer systems prior to infrastructure failure and prolong the life of the system by 20 to 50 years. Groundwater Infrastructure funding for underdrain installations is allocated to assist with excessive dry weather water over sidewalks and impacting streets in residential subdivisions. Funding for this project is from monthly service charges to address existing infrastructure needs.

Expenditures	2024	2025	2026	2027	2028	Total
Storm Sewer Rehabilitation	\$ 471,034	\$ 326,478	\$ 336,987	\$ 347,493	\$ -	\$ 1,481,992
Groundwater Infrastructure	214,000	180,000	180,000	180,000	180,000	934,000
Total Expenditures	\$ 685,034	\$ 506,478	\$ 516,987	\$ 527,493	\$ 180,000	\$ 2,415,992

Funding Sources	2024	2025	2026	2027	2028	Total
Stormwater Charges	\$ 685,034	\$ 506,478	\$ 516,987	\$ 527,493	\$ 180,000	\$ 2,415,992
Total Funding Sources	\$ 685,034	\$ 506,478	\$ 516,987	\$ 527,493	\$ 180,000	\$ 2,415,992

Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

WASTEWATER FUND

CASTLE ROCK WATER

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2024	2025	2026	2027	2028	Total
General Facilities O&M	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 2,250,000
Sewer Line Rehabilitation	6,400,000	2,400,000	2,600,000	2,400,000	2,400,000	16,200,000
Security System Improvements	204,000	285,000	-	-	-	489,000
Advanced Metering Infrastructure	848,470	849,930	50,500	-	-	1,748,900
Total Expenditures by Year	\$ 7,902,470	\$ 3,984,930	\$ 3,100,500	\$ 2,850,000	\$ 2,850,000	\$ 20,687,900

Project Funding Sources	2024	2025	2026	2027	2028	Total
Wastewater Service Charges	\$ 7,902,470	\$ 3,984,930	\$ 3,100,500	\$ 2,850,000	\$ 2,850,000	\$ 20,687,900
System Development Fees	-	-	-	-	-	-
Total Funding Sources by Year	\$ 7,902,470	\$ 3,984,930	\$ 3,100,500	\$ 2,850,000	\$ 2,850,000	\$ 20,687,900

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

General Facilities O&M

Project Number: Multiple
 Contact: Roy Gallea, Engineering Manager
 Department: Castle Rock Water
 Category: Equipment
 Type: Upgrade
 Useful Life: 20 years

Description and Justification

These miscellaneous projects are needed to maintain current operational standards at all facilities within the collection system. These replacement and upgrades are only intended for potential operational and maintenance issues that may arise within the given year.

Expenditures	2024	2025	2026	2027	2028	Total
O&M - wastewater Replacement	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 350,000	\$ 1,750,000
O&M - wastewater Upgrades	100,000	100,000	100,000	100,000	100,000	500,000
Total Expenditures	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 2,250,000

Funding Sources	2024	2025	2026	2027	2028	Total
Wastewater Service Charges	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 2,250,000
Total Funding Sources	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 450,000	\$ 2,250,000

Operational Impact

Improvements and replacements to equipment typically result in reduced maintenance costs, which are unknown until project implementation and will be incorporated at that time.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Sewer Line Rehabilitation

Project Number: 75-62
 Contact: Roy Gallea, Engineering Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Repair
 Useful Life: 50 years

Description and Justification

This project is intended to rehabilitate or replace existing sewer lines due to age or failing infrastructure. This is an ongoing program and areas of focus are identified annually. The Engineering Division will work with the Operations Division to identify areas that need sewer improvements and coordinate with the Public Works Department to complete projects ahead of the Pavement Maintenance Program to minimize the impact of Townwide roadwork. The sewer rehabilitation program will address the requirements of Environmental Protection Agency's (EPA) Capacity, Management, Operation, and Maintenance (CMOM) programs. Prestwick Sewer will be replacing aging sanitary infrastructure at the same time we are replacing the aging waterline infrastructure.

Expenditures	2024	2025	2026	2027	2028	Total
Sewer Line Rehab/Replacement	\$ -	\$ -	\$ 2,400,000	\$ 2,400,000	\$ 2,400,000	\$ 7,200,000
Young American Rehab Phase 1	2,400,000	-	-	-	-	2,400,000
Young American Rehab Phase 2	-	2,400,000	-	-	-	2,400,000
Plum Creek Interceptor	4,000,000	-	-	-	-	4,000,000
Kinner Street Bottleneck	-	-	200,000	-	-	200,000
Total Expenditures	\$ 6,400,000	\$ 2,400,000	\$ 2,600,000	\$ 2,400,000	\$ 2,400,000	\$ 16,200,000

Funding Sources	2024	2025	2026	2027	2028	Total
Wastewater Service Charges	\$ 6,400,000	\$ 2,400,000	\$ 2,600,000	\$ 2,400,000	\$ 2,400,000	\$ 16,200,000
Total Funding Sources	\$ 6,400,000	\$ 2,400,000	\$ 2,600,000	\$ 2,400,000	\$ 2,400,000	\$ 16,200,000

Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Security System Improvements

Project Number: 75-36
 Contact: Tim Friday, Assistant Director of Castle Rock Water
 Department: Castle Rock Water
 Category: Building
 Type: Upgrade
 Useful Life: 20 years

Description and Justification

These miscellaneous projects are needed to increase security at wastewater facilities in accordance with the Risk and Resiliency Assessment. The assessment identifies security and system integrity needs that may present a risk to public health and safety. These various projects include installing or replacing electronic access control, locks, and surveillance as needed at all wastewater facilities. Security at all Town of Castle Rock facilities is important for safeguarding investments in infrastructure and ensuring employee safety. Supervisory Control and Data Acquisition (SCADA) upgrades ensure that facilities can be monitored and controlled remotely.

Expenditures	2024	2025	2026	2027	2028	Total
SCADA System Improvements	\$ 204,000	\$ 285,000	\$ -	\$ -	\$ -	\$ 489,000
Total Expenditures	\$ 204,000	\$ 285,000	\$ -	\$ -	\$ -	\$ 489,000

Funding Sources	2024	2025	2026	2027	2028	Total
Wastewater Service Charges	\$ 204,000	\$ 285,000	\$ -	\$ -	\$ -	\$ 489,000
Total Funding Sources	\$ 204,000	\$ 285,000	\$ -	\$ -	\$ -	\$ 489,000

Operational Impact

No additional operating expenditures or revenues are anticipated as a result of this project.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Advanced Metering Infrastructure**

Project Number: 77-15
 Contact: Nichol Bussey, Business Solutions Manager
 Department: Castle Rock Water
 Category: Infrastructure
 Type: Upgrade
 Useful Life: 20 years

Description and Justification

This capital project is for design, planning, and implementation of Advanced Metering Infrastructure (AMI). Currently meter reads are performed once a month on the 1st-3rd of every month via drive by technology. This AMI technology would provide radio reads via tower technology with the frequency desired without the need to roll a truck. To reach full implementation and functionality approximately 13k meters would need to be upgraded to smart meter technology. Several Meter Transceiver Units (MXUs), which are the transmitters would also need to be upgraded from “R” radios to “M” radios, approximately 13k units. Staff has already been putting in the smart meters and upgraded MXU’s in each new build as well as replacing existing infrastructure with the new technology as needed. An assumption in the total costs is the rollout of the newest technology for residential accounts called the Ally ¾” Meter. This meter provides remote disconnection and reconnection via tower technology. It not only provides alerts to the customer for water usage, leak detection, pressure and temperature, but also helps identify possible issues in the distribution system. In addition to the replacement of the meters and MXUs, costs also included are for purchase and installation of three towers, three gateway base stations, two remote collectors, demand meter management software and analytics software.

Expenditures	2024	2025	2026	2027	2028	Total
Advanced Metering Infrastructure	\$ 848,470	\$ 849,930	\$ 50,500	\$ -	\$ -	\$ 1,748,900
Total Expenditures	\$ 848,470	\$ 849,930	\$ 50,500	\$ -	\$ -	\$ 1,748,900

Funding Sources	2024	2025	2026	2027	2028	Total
Wastewater Service Charges	\$ 848,470	\$ 849,930	\$ 50,500	\$ -	\$ -	\$ 1,748,900
Total Funding Sources	\$ 848,470	\$ 849,930	\$ 50,500	\$ -	\$ -	\$ 1,748,900

Operational Impact

Recurring costs include annual software maintenance costs and one FTE for an AMI coordinator/meter demand management.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

FLEET SERVICES FUND

PUBLIC WORKS DEPARTMENT

PROJECTS & FUNDING SOURCES BY DEPARTMENT

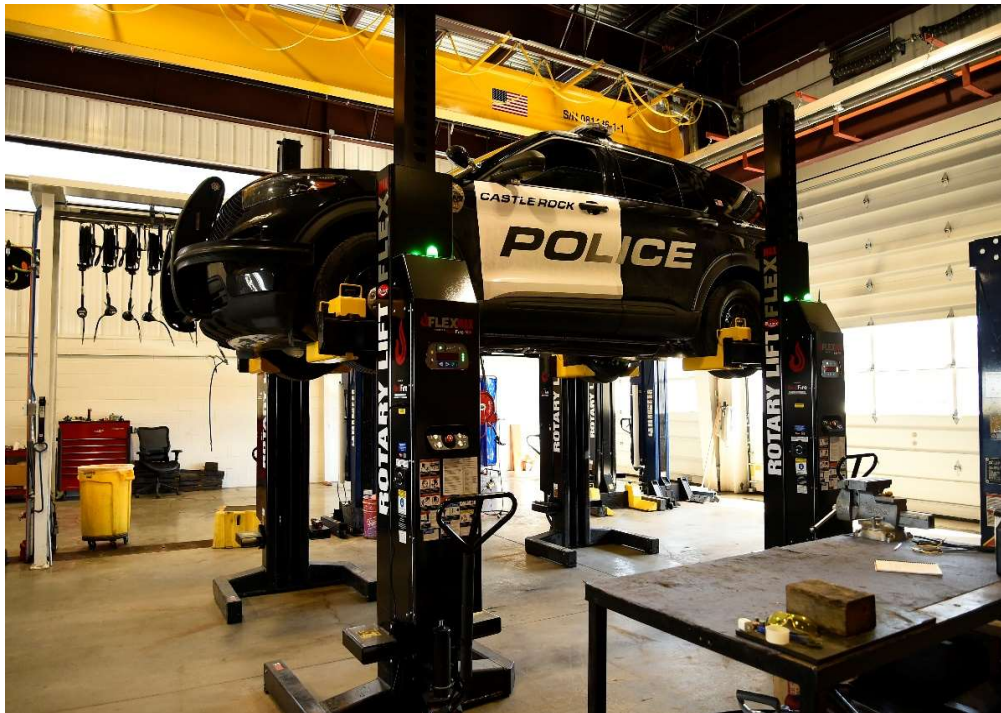
Project Expenditures	2024	2025	2026	2027	2028	Total
Vehicles and Equipment	\$ 6,538,031	\$ 4,498,582	\$ 6,911,220	\$ 3,413,301	\$ 5,750,920	\$ 27,112,054
Total Expenditures by Year	\$ 6,538,031	\$ 4,498,582	\$ 6,911,220	\$ 3,413,301	\$ 5,750,920	\$ 27,112,054

Project Funding Sources	2024	2025	2026	2027	2028	Total
Vehicle Replacement Contributions	\$ 5,577,926	\$ 3,531,868	\$ 6,344,590	\$ 2,478,108	\$ 5,288,256	\$ 23,220,748
Vehicle Salvage	664,305	761,714	501,630	805,193	397,664	3,130,506
Transfers from Other Funds	295,800	205,000	65,000	130,000	65,000	760,800
Total Funding Sources by Year	\$ 6,538,031	\$ 4,498,582	\$ 6,911,220	\$ 3,413,301	\$ 5,750,920	\$ 27,112,054

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.

Summary of 2024 Vehicle Additions

Department	Make & Model	Estimated Cost	Justification
Police	Ford Utility	90,000	The Police Department requests one additional vehicle related to the addition of new staff members
Parks and Recreation	Ford Ranger	40,000	The Parks and Recreation Department requests one additional vehicle for a Maintenance Worker II.
Castle Rock Water	CAT 450	285,000	which will be used to perform maintenance and repairs in Town.
Total		\$ 415,000	



2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Vehicles and Equipment

Project Number: 70-40
 Contact: John Arney, Fleet Manager
 Department: Public Works Department
 Category: Vehicles
 Useful Life: 4-15 years

Description and Justification

The vehicle replacement program is funded through departmental contributions made to the Fleet Fund, which is an internal service fund intended for replacement and maintenance of Town vehicles and equipment. Departments that operate vehicles and equipment enrolled in the vehicle replacement program budget vehicle replacement contributions annually for the purpose of replacing existing units. The units in the following pages include vehicles scheduled for replacement. However, vehicles and equipment lives may be extended or replaced earlier if necessary. The inflation rate assumed for future vehicle purchases varies by vehicle type, with an average of about three percent. In accordance with the Town's vehicle replacement policy, unit age, usage, and historical maintenance costs are used to determine the replacement timing of vehicles and equipment in the program. The Town uses the best practice method recommended by the American Public Works Association. Other factors include type of use, operating weather conditions, and operating terrain. Once a vehicle has met the replacement criteria, there is a thorough review process by Fleet management, the operating department, and the Fleet Advisory Committee to determine if the vehicle should be replaced, retained for limited use, or to extend the vehicles life cycle. Because vehicles may be equipped with different equipment based upon their usage, the cost for similar vehicles will vary. Additionally, three percent of the total anticipated vehicle purchase amount is budgeted in order to accommodate unforeseen variances in vehicle purchase amounts.

The following pages detail the requested replacements and additions to the Town's fleet by department.

Expenditures	2024	2025	2026	2027	2028	Total
Vehicles & Equipment	\$ 6,538,031	\$ 4,498,582	\$ 6,911,220	\$ 3,413,301	\$ 5,750,920	\$ 27,112,054
Total Expenditures	\$ 6,538,031	\$ 4,498,582	\$ 6,911,220	\$ 3,413,301	\$ 5,750,920	\$ 27,112,054

Funding Sources	2024	2025	2026	2027	2028	Total
Vehicle Replacement Contributions	\$ 5,577,926	\$ 3,531,868	\$ 6,344,590	\$ 2,478,108	\$ 5,288,256	\$ 23,220,748
Vehicle Salvage	664,305	761,714	501,630	805,193	397,664	3,130,506
Transfers from Other Funds	295,800	205,000	65,000	130,000	65,000	760,800
Total Funding Sources	\$ 6,538,031	\$ 4,498,582	\$ 6,911,220	\$ 3,413,301	\$ 5,750,920	\$ 27,112,054

Operational Impact

Increases in operational expenditures, including gasoline and maintenance for 2023 are primarily related to vehicle additions, and are estimated to be approximately \$12,000 and budgeted within the appropriate department. Additional amounts are included for operational needs.

2024 Schedule of Vehicle & Equipment Purchase

Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
Facilities Department			
Trucks, Medium Duty	Ford F-250 SD	\$ 7,769	\$ 64,739
Total Facilities Department		1 \$ 7,769	\$ 64,739
Police Department			
SUV, Police Patrol	Ford Utility AWD	10,422	86,849
SUV, Police Patrol	Ford Utility AWD	13,013	108,438
SUV, Police Patrol	Ford Utility AWD	10,421	86,843
SUV, Police Patrol	Ford Utility AWD	13,034	108,619
SUV, Police Patrol	Ford Utility AWD	9,213	76,778
SUV, Public Safety, Police, Fire	Ford Utility AWD	8,828	73,564
SUV, Public Safety, Police, Fire	Ford Utility AWD	11,213	93,440
SUV, Public Safety, Police, Fire	Ford Utility AWD	11,011	91,758
SUV, Public Safety, Police, Fire	Ford Utility AWD	8,701	72,508
SUV, Public Safety, Police, Fire	Fore Escape SE	8,680	72,333
SUV, Police Patrol	Ford Utility AWD	4,828	40,235
Total Police Department		11 \$ 109,364	\$ 911,365
Fire Department			
Fire, Response, Ambulance	Ford F-450	35,668	297,236
SUV, Public Safety, Police, Fire	Ford Explorer	6,235	51,958
SUV, Public Safety, Police, Fire	Ford Explorer	6,235	51,958
SUV, Public Safety, Police, Fire	Ford Utility Interceptor	8,045	67,045
Fire Response, Pumps, Quints, Rescue	KME	216,000	1,800,000
Total Fire Department		5 \$ 272,183	\$ 2,268,198
Development Services			
Trucks, Light Duty	Ford F-150	5,335	44,462
Trucks, Light Duty	Ford F-150	5,562	46,353
Total Development Services Fund		2 \$ 10,897	\$ 90,815

* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2024 Schedule of Vehicle & Equipment Purchase

Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
Transportation Fund			
Heavy Equipment Off-Road, Loaders, Tractors, Graders	Volvo BL70B	\$ 22,261	\$ 185,509
Sweepers	Schwarze A7000	50,821	423,506
Medium Duty Equipment, Sweepers	Freightliner	54,629	455,239
Trucks, Light Duty	Ford F-150 SSV	6,467	53,888
Total Transportation Fund		4 \$ 134,178	\$ 1,118,142
Parks & Recreation Department			
Trucks, Medium Duty	Ford F-250 SD	7,501	62,508
Equipment, Off-Road, Mowers, Carts, Skid Steers, Plows	Z-Master 5000	2,000	16,667
Equipment, Off-Road, Mowers, Carts, Skid Steers, Plows	Kohler Pro-EFI	1,637	13,638
Equipment, Off-Road, Mowers, Carts, Skid Steers, Plows	Z-Master 5000	2,000	16,667
Trailers Medium, Light	Vermeer BC1400XL	13,039	108,662
Trucks, Light Duty	Ford F-150	5,515	45,956
Total Parks & Recreation Department		6 \$ 31,692	\$ 264,097
Golf Department			
Trucks, Light Duty	Chevrolet Colorado	6,722	56,020
Total Golf Department		1 \$ 6,722	\$ 56,020
Community Center Fund			
Vans < 10K GVWR Passenger/Cargo	Ford E-350 SD	7,685	64,039
Total Community Center Department		1 \$ 7,685	\$ 64,039
Castle Rock Water Department			
Trailers Medium, Light	Cornell 3HC-RP-EM16	29,578	246,483
Trucks, Light Duty	Ford F-150	5,400	44,997
Sedan General Purpose	Chevrolet Impala LS	5,235	43,624
Trucks, Light Duty	Ford F-150 SSV	5,394	44,947
Equipment, Off-Road, Loaders, Tractors, Graders	Vermeer S800TX	7,587	63,222
Trucks, Light Duty	Ford F-150	6,186	51,548
Trucks, Light Duty	Ford F-150 SSV	6,509	54,239
Trucks, Medium Duty	Ford F-350 SD	9,887	82,395
Trucks, Light Duty	Ford F-150	6,832	56,932
Equipment, Off-Road, Loaders, Tractors, Graders	International 7500	93,281	777,344
Trucks, Light Duty	Ford F-150	5,335	44,457
Total Castle Rock Water Department		11 \$ 82,608	\$ 1,510,189
Total - All Departments		\$ 761,714	\$ 6,347,603
3% Contingency			190,428
2024 Vehicle & Equipment Replacement Total		42 \$ 761,714	\$ 6,538,031

* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2025 Schedule of Vehicle & Equipment Purchase

Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
Facilities Department			
Trucks, Medium Duty	Ford F-150	\$ 9,311	\$ 77,594
Trucks, Light Duty	Ford F-350 SD	7,484	62,367
Total Facilities Department	2	\$ 16,795	\$ 139,961
Police Department			
SUV, Police Patrol	Ford Utility AWD	10,357	86,308
SUV, Police Patrol	Ford Utility AWD	11,375	94,791
SUV, Police Patrol	Ford Utility AWD	11,232	93,598
SUV, Police Patrol	Ford Utility AWD	9,418	78,486
Trucks, Light Duty	Ford F-150 SSV	10,723	89,357
SUV, Police Patrol	Ford Utility AWD	10,260	85,499
SUV, Police Patrol	Ford Utility AWD	12,043	100,361
SUV, Public Safety, Police, Fire	Ford Expedition	10,995	91,621
SUV, Public Safety, Police, Fire	Ford Utility AWD	10,346	86,215
Equipment, Off-Road, Loaders, Tractors, Graders	Polaris Ranger 800	4,740	39,501
Total Police Department	9	\$ 101,489	\$ 845,737
Fire Department			
Trucks, Light Duty	Ford F-150	10,303	85,862
Trucks, Medium Duty	GMC Sierra 2500HD	12,531	104,425
Fire Response, Brush Trucks, Hazmat	Dodge Ram 5500	37,126	309,383
Equipment, Off-Road, Loaders, Tractors, Graders	John Deere 855D Gator	5,178	43,146
	Chevrolet		100,432
	Ford Expedition		86,876
Total Fire Department	4	\$ 65,138	\$ 542,816
Development Services			
SUV, General Purpose, Light Duty	Ford Escape	5,013	41,775
SUV, General Purpose, Light Duty	Ford Escape SE	5,661	47,179
Total Development Services Fund	2	\$ 10,674	\$ 88,954
Transportation Fund			
Equipment, Off-Road, Loaders, Tractors, Graders	Caterpillar CB334D	32,017	266,804
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400	42,176	351,466
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400	42,181	351,508
Heavy Equipment Off-Road, Loaders, Tractors, Graders	Bobcat S570	8,535	71,129
Trucks, Light Duty	Ford F-150	6,412	53,437
Total Transportation Fund	5	\$ 131,321	\$ 1,094,345

* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2025 Schedule of Vehicle & Equipment Purchase

Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
Fleet Fund			
SUV, General Purpose, Light Duty	Ford Escape	\$ 5,714	\$ 47,615
Sedan General Purpose	Ford Fusion-Hybrid	5,649	47,074
Total Fleet Department	2	\$ 11,363	\$ 94,689
Parks & Recreation Department			
Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows	John Deere HPX 4x4	2,320	19,337
Trucks Medium Duty	Ford F-350 SD	11,364	94,698
Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows	Advance Exterra	10,230	85,254
Equipment, Off-Road, Loaders, Tractors, Graders	Honda TRX500	2,610	21,751
Equipment, Off-Road, Loaders, Tractors, Graders	Bobcat 5600	11,429	95,243
Trucks, Light Duty	Ford F-150	7,114	59,282
Trucks, Medium Duty	Ford F-250 SD	6,550	54,581
Trucks, Medium Duty	Ford F-250 SD	9,644	80,363
Trucks, Medium Duty	Ford F-250 SD	9,642	80,351
Trailers Medium, Light	Vermeer BC1400XL	7,916	65,964
Equipment, Off-Road, Mowers, Carts, Skid Steers, Plows	Z-Master 5000	2,065	17,207
Total Parks & Recreation Department	11	\$ 80,884	\$ 674,032
Castle Rock Water Department			
Equipment, Off-Road, Light Duty, Mowers, Carts, Skid Steers, Plows	Chevrolet C-5500	34,361	286,345
Trucks, Light Duty	Ford F-150	6,699	55,827
Trucks, Light Duty	Ford F-150	7,403	61,691
Trucks, Medium Duty	Ford F-250	8,056	67,132
Trucks, Light Duty	Ford F-150	7,089	59,073
Trucks, Light Duty	Ford F-150	6,936	57,802
Trucks, Light Duty	Chevrolet Colorado	5,421	45,173
Trucks, Medium Duty	Ford F-250	8,001	66,671
Total Castle Rock Water Department	8	\$ 83,966	\$ 699,713
Total - All Departments		\$ 501,630	\$ 4,367,555
3% Contingency			131,027
2025 Vehicle & Equipment Replacement Total	43	\$ 501,630	\$ 4,498,582

* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2026 Schedule of Vehicle & Equipment Purchase

Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
Police Department			
SUV, Police Patrol	Ford Utility Interceptor	\$ 10,882	\$ 90,680
SUV, Police Patrol	Ford Utility Interceptor	10,484	87,367
SUV, Police Patrol	Ford Utility Interceptor	10,882	90,680
SUV, Police Patrol	Ford Utility Interceptor	10,770	89,748
SUV, Police Patrol	Ford Utility Interceptor	10,458	87,153
SUV, Police Patrol	Ford Utility Interceptor	11,027	91,891
SUV, Police Patrol	Ford Utility Interceptor	10,732	89,436
SUV, Police Patrol	Ford Utility Interceptor	10,732	89,436
SUV, Police Patrol	Ford Utility Interceptor	10,732	89,436
SUV, Public Safety, Police, Fire	Ford Utility AWD	10,663	88,855
SUV, Police Patrol	Ford Utility Interceptor	10,737	89,471
SUV, Police Patrol	Ford Utility Interceptor	10,368	86,396
SUV, Public Safety, Police, Fire	Ford Utility AWD	11,889	99,077
Trucks, Light Duty	Ford Ranger	7,482	62,347
Total Police Department		14 \$ 147,838	\$ 1,231,973
Fire Department			
Trucks Medium Duty	Ford F-350	13,802	115,014
Trucks Medium Duty	Ford F-350	18,881	157,344
Fire, Response, Ambulance	Dodge 550	39,211	326,759
Fire Response, Pumps, Quints, Rescue	KME ZZZ	226,800	1,890,000
Total Fire Department		4 \$ 298,694	\$ 2,489,118
Development Services Department			
Trucks, Light Duty	Ford F-150	5,822	48,513
Trucks, Light Duty	Ford F-150	6,270	52,253
Total Development Services Department		2 \$ 12,092	\$ 100,767
Transportation Fund			
Heavy Equipment, Loader, Grader, Backhoe, Tractor	Caterpillar-930G	65,331	544,422
Specialized Equipment, Other Small Equipment	Target Pro66-36	8,533	71,110
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400	42,127	351,059
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400	42,171	351,424
Trucks, Medium Duty	Ford F-350 SD	12,254	102,118
Trucks Light Duty	Ford F-150	5,861	48,839
Total Transportation Fund		6 \$ 176,277	\$ 1,468,973

* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2026 Schedule of Vehicle & Equipment Purchase

Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
Parks & Recreation Department			
Equipment, Off-Road, Loaders, Tractors, Graders	Sullair 200H-DPQ	\$ 5,273	\$ 43,941
Equipment, Off-Road, Loaders, Tractors, Graders	Bobcat S570	8,935	74,457
Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows	Toro 4300-D	13,422	111,853
Trucks Light Duty	Ford F-150	8,393	69,945
Trucks, Light Duty	Chevrolet Colorado	6,660	55,501
Trucks, Light Duty	Chevrolet Colorado	7,013	58,438
Trucks, Light Duty	Chevrolet Colorado	5,755	47,962
Total Parks & Recreation Department		7 \$ 55,451	\$ 462,097
Castle Rock Water Department			
Trucks Light Duty	Ford F-150	6,197	51,643
Trucks, Medium Duty	International Terrastar	19,809	165,074
Trucks Light Duty	Ford F-150	6,135	51,123
Trucks Light Duty	Ford F-150	7,481	62,344
SUV, General Purpose, Light Duty	Toyota Rav4 Hybrid	5,677	47,312
Trucks Light Duty	Ford F-150	5,822	48,513
Trucks Light Duty	Ford F-150	5,822	48,513
Trucks Light Duty	Ford F-150	6,656	55,469
Trucks Light Duty	Ford F-150	5,822	48,513
Equipment, Off-Road, Loaders, Tractors, Graders	Vermeer S8000	6,705	55,873
Trucks Light Duty	Ford F-150	6,875	57,290
Trucks, Medium Duty	Ford F-350 SD	8,452	70,435
Trucks, Medium Duty	Ford F-350 SD	9,532	79,429
Trucks, Medium Duty	Ford F-350 SD	13,856	115,463
Total Castle Rock Water Department		14 \$ 114,841	\$ 956,995
Total - All Departments		\$ 805,193	\$ 6,709,922
3% Contingency			201,298
2026 Vehicle & Equipment Replacement Total		47 \$ 805,193	\$ 6,911,220

* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2027 Schedule of Vehicle & Equipment Purchase

Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
Facilities Department			
Trucks, Light Duty	Ford F-150	\$ 7,382	\$ 61,517
Total Facilities Department	1	\$ 7,382	\$ 61,517
DoIT Department			
Trucks, Light Duty	Ford F-150	8,056	67,131
SUV, General Purpose, Light Duty	Ford Escape	5,431	45,260
Total DoIT Department	2	\$ 13,487	\$ 112,391
Police Department			
SUV, Police Patrol	Ford Utility Interceptor	13,784	114,864
SUV, Police Patrol	Ford Utility Interceptor	13,866	115,554
SUV, Police Patrol	Ford Utility Interceptor	13,665	113,874
SUV, Public Safety, Police, Fire	Ford Expedition	11,747	97,896
Total Police Department	4	\$ 53,062	\$ 442,187
Fire Department			
Trucks Medium Duty	Chevrolet 1500	11,862	98,849
SUV, Public Safety, Police, Fire	Chevrolet Tahoe	11,402	95,016
Fire, Response, Ambulance	Ford F450	45,493	379,110
Total Fire Department	3	\$ 68,757	\$ 572,974
Development Services Department			
SUV, General Purpose, Light Duty	Ford Escape	5,336	44,471
Trucks Light Duty	Ford F-150	7,243	60,355
Trucks Light Duty	Ford F-150	7,244	60,368
Total Development Services Department	3	\$ 19,823	\$ 165,193
Transportation Fund			
Medium Duty Equipment, Sweepers	Freightliner M2106	55,594	463,283
Trucks Heavy Duty, Snow Removal, Construction Dumps	International 7400	48,041	400,344
Equipment, Off-Road, Loaders, Tractors, Graders	Crafco SS125	11,343	94,521
Trucks Light Duty	Ford F-150	7,071	58,928
Total Transportation Fund	4	\$ 122,049	\$ 1,017,077

* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2027 Schedule of Vehicle & Equipment Purchase

Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
Parks & Recreation Department			
SUV, General Purpose, Medium Duty	Ford Expedition	\$ 8,406	\$ 70,052
Trucks Light Duty	Chevrolet Colorado	6,811	56,760
Trucks Light Duty	Ford F-150	5,922	49,353
Trucks Light Duty	Ford F-150	6,968	58,066
Trucks, Medium Duty	Ford F-250	10,562	88,016
Trucks, Medium Duty	Ford F-250	10,917	90,975
Equipment, Off-Road, Loaders, Tractors, Graders	Graco	3,148	26,232
Trucks Light Duty	Chevrolet Colorado	7,881	65,678
Total Parks & Recreation Department	8	\$ 60,615	\$ 505,132
Community Center Fund			
Vans < 10K GVWR Passenger/Cargo	Ford Transit	9,180	76,501
Vans < 10K GVWR Passenger/Cargo	Ford Transit	9,180	76,501
Total Community Center Department	2	\$ 18,360	\$ 153,002
Castle Rock Water Department			
Trucks, Medium Duty	Ford F-250	8,657	72,141
Trucks Light Duty	Chevrolet Colorado	6,107	50,892
Trucks Light Duty	Chevrolet Colorado	6,044	50,367
Trucks Light Duty	Chevrolet Colorado	6,044	50,367
Trucks Light Duty	Chevrolet Colorado	5,486	45,718
Equipment, Off-Road, Loaders, Tractors, Graders	Reliable HPU-2000	1,791	14,925
Total Castle Rock Water Department	6	\$ 34,129	\$ 284,410
Total - All Departments		\$ 397,664	\$ 3,313,884
3% Contingency			99,417
2026 Vehicle & Equipment Replacement Total	33	\$ 397,664	\$ 3,413,301

* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2028 Schedule of Vehicle & Equipment Purchase

Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
Facilities Department			
Trucks, Heavy Duty	Ford F-550 SD	\$ 25,533	\$ 212,774
Total Facilities Department	1	\$ 25,533	\$ 212,774
DoIT Department			
SUV, General Purpose, Light Duty	Ford Escape	5,706	47,546
Total DoIT Department	1	\$ 5,706	\$ 47,546
Police Department			
SUV, Police Patrol	Ford Utility Interceptor	12,013	100,105
SUV, Police Patrol	Ford Utility Interceptor	13,844	115,365
SUV, Public Safety, Police, Fire	Ford Utility AWD	13,808	115,070
Trucks, Light Duty	Ford F-150 SSV	9,310	77,583
SUV, Public Safety, Police, Fire	Ford Utility AWD	13,803	115,028
SUV, Public Safety, Police, Fire	Ford Utility AWD	13,803	115,028
Trucks, Light Duty	Ford F-150 SSV	9,837	81,973
SUV, Public Safety, Police, Fire	Ford Utility AWD	14,853	123,773
SUV, Police Patrol	Ford Utility Interceptor	9,302	77,518
SUV, Public Safety, Police, Fire	Ford Expedition	12,483	104,025
Total Police Department	10	\$ 123,056	\$ 1,025,468
Fire Department			
SUV, Public Safety, Police, Fire	Chevrolet Tahoe	28,266	235,552
Fire, Response, Ambulance	Fort F550	7,398	61,646
Fire Response, Pumps, Quints, Rescue	KME	249,480	2,079,000
Total Fire Department	3	\$ 285,144	\$ 2,376,198
Development Services Department			
Trucks Light Duty	Ford F-150	6,846	57,050
Total Development Services Department	1	\$ 6,846	\$ 57,050

* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2028 Schedule of Vehicle & Equipment Purchase

Department and Vehicle Use	Vehicle Make/Model	Estimated Salvage Value	Estimated Cost *
Transportation Fund			
Trucks Heavy Duty	Ford F-550	\$ 35,982	\$ 299,850
Equipment, Off-Road, Loaders, Tractors, Graders	Graco LLV	1,825	15,211
Equipment, Off-Road, Loaders, Tractors, Graders	Graco LLV	1,825	15,211
Vehicle Additions; Trucks Heavy Duty, Snow Removal, Construction Dump: International 7400		52,863	440,522
Total Transportation Fund		4 \$ 92,495	\$ 770,794
Parks & Recreation Department			
Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows	Advance SW8000	11,316	94,303
Equipment, Off-Road, Mowers, Carts, Skid Steers, Plows	Scag Mower	2,312	19,268
Trucks Medium Duty	Ford F-350	14,714	122,613
Equipment, Off-Road, Mowers, Carts, Skid Steers, Plows	John Deere 4066	16,515	137,624
Total Parks & Recreation Department		4 \$ 44,857	\$ 373,808
Community Center Fund			
Vans < 10K GVWR Passenger/Cargo	Ford E-350 SD	4,214	35,114
Vans < 10K GVWR Passenger/Cargo	Ford E-350 SD	4,195	34,961
Total Community Center Fund		2 \$ 8,409	\$ 70,075
Castle Rock Water Department			
Trucks, Medium Duty	Ford F-150	7,173	59,772
Trucks Light Duty	Chevrolet Colorado	6,507	54,223
Trucks Light Duty	Chevrolet Colorado	6,559	54,659
Trucks, Medium Duty	Ford F-250	8,919	74,325
Trucks, Light Duty	Ford F-150	15,543	129,529
Trucks, Medium Duty	Ford F-350 SD	6,751	56,260
Trucks, Heavy Duty	Ford F-550	16,255	135,455
Equipment, Off-Road, Light duty, Mowers, Carts, Skid Steers, Plows	K&W	10,258	85,482
Total Castle Rock Water Department		8 \$ 77,965	\$ 649,704
Total - All Departments		\$ 670,011	\$ 5,583,417
3% Contingency			167,503
2023 Vehicle & Equipment Replacement Total		33 \$ 664,305	\$ 5,750,920

* Estimated cost is for a planned vehicle, actual cost may be adjusted according to requirements determined by the department

2024-2028 CAPITAL IMPROVEMENT PROGRAM

GOLF FUND

PARKS & RECREATION DEPARTMENT

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2024	2025	2026	2027	2028	Total
Red Hawk Ridge Golf Carts	\$ 695,000	\$ -	\$ -	\$ -	\$ 715,850	\$ 1,410,850
Clubhouse Upgrades	50,000	-	-	-	-	50,000
Red Hawk Ridge Maintenance Equipment	-	-	-	719,000	-	719,000
Total Expenditures by Year	\$ 745,000	\$ -	\$ -	\$ 719,000	\$ 715,850	\$ 2,179,850

Project Funding Sources	2024	2025	2026	2027	2028	Total
Charges for Service	\$ 745,000	\$ -	\$ -	\$ 719,000	\$ 715,850	\$ 2,179,850
Total Funding Sources by Year	\$ 745,000	\$ -	\$ -	\$ 719,000	\$ 715,850	\$ 2,179,850

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



Red Hawk Ridge Golf Course

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Red Hawk Ridge Maintenance Equipment**

Project Number: 70-30
 Contact: Brian Erickson, Head Golf Professional
 Department: Golf
 Category: Equipment
 Type: New
 Useful Life: 5-10 Years

Description and Justification

The typical lifespan for golf course maintenance equipment used on a regular basis is approximately five years. Some less frequently used equipment can last more than 10 years. Since golf course conditions are typically the most important factor for most golfers, having reliable equipment that produces a quality product is critical for the long-term health of the Golf Course Fund. Having reliable maintenance equipment also allows staff to provide a consistent product with minimal risk of failure and/or catastrophic turf damage. Staff will continue to perform necessary preventative maintenance to extend the life of the equipment as long as possible/feasible and will adjust replacement schedules accordingly.

Equipment that is planned for replacement in 2027 is budgeted as a lease/purchase. Payments are planned to occur over a five-year period and will result in the golf course owning the equipment upon completion of the payment period.

Expenditures	2024	2025	2026	2027	2028	Total
Equipment	\$ -	\$ -	\$ -	\$ 719,000	\$ -	\$ 719,000
Total Expenditures	\$ -	\$ -	\$ -	\$ 719,000	\$ -	\$ 719,000

Funding Sources	2024	2025	2026	2027	2028	Total
Charges for Service	\$ -	\$ -	\$ -	\$ 719,000	\$ -	\$ 719,000
Total Funding Sources	\$ -	\$ -	\$ -	\$ 719,000	\$ -	\$ 719,000

Operational Impact

No additional operational impact is expected as ongoing equipment maintenance is in the current budget.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Red Hawk Ridge Golf Carts**

Project Number: 70-30
 Contact: Brian Erickson, Head Golf Professional
 Department: Golf
 Category: Equipment
 Type: New
 Useful Life: Four years

Description and Justification

The existing cart fleet at Red Hawk Ridge ended in 2022. However, the batteries were replaced under warranty in 2021, allowing the life of golf carts are being extended for one year. In time the fleet will show signs of wear and tear due to ongoing demands and usage. In order to maintain high product quality and service levels, it is imperative that the golf cart fleet also maintains the same high standard that golfers have come to expect from Red Hawk Ridge. The current fleet was delivered in the spring of 2019 and will need to be replaced in the spring of 2024. The General Fund will pay for the new golf carts as well as Golf utility maintenance equipment out right and the Golf Fund will pay an interfund loan for 4 years.

Expenditures	2024	2025	2026	2027	2028	Total
Equipment	\$ 695,000	\$ -	\$ -	\$ -	\$ 715,850	\$ 1,410,850
Total Expenditures	\$ 695,000	\$ -	\$ -	\$ -	\$ 715,850	\$ 1,410,850

Funding Sources	2024	2025	2026	2027	2028	Total
Charges for Service	\$ 695,000	\$ -	\$ -	\$ -	\$ 715,850	\$ 1,410,850
Total Funding Sources	\$ 695,000	\$ -	\$ -	\$ -	\$ 715,850	\$ 1,410,850

Operational Impact

Due to the purchase of these Golf Carts, the cart rental fee will increase by \$2 a rental which will generate about \$94,000 of additional revenue for the golf course.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Clubhouse Upgrades

Project Number: 70-20
 Contact: Brian Erickson, Head Golf Professional
 Department: Golf
 Category: Building
 Type: Replacement
 Useful Life: 10+ years

Description and Justification

The golf pro shop has not been updated since its construction in 2001. In order to capitalize on sales opportunities and to provide a better experience to the golfers, the clubhouse dining room furniture is scheduled to be replaced in 2024, as well as an addition to the chargrill/kitchen in the clubhouse.

Expenditures	2024	2025	2026	2027	2028	Total
Clubhouse dining room/kitchen furniture	\$ 50,000	\$ -	\$ -	\$ -	\$ -	50,000
Total Expenditures	\$ 50,000	\$ -	\$ -	\$ -	\$ -	50,000

Funding Sources	2024	2025	2026	2027	2028	Total
Charges for Service	\$ 50,000	\$ -	\$ -	\$ -	\$ -	50,000
Total Funding Sources	\$ 50,000	\$ -	\$ -	\$ -	\$ -	50,000

Operational Impact

No additional revenues or expenditures are anticipated as a result of this project.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

COMMUNITY CENTER FUND

PARKS & RECREATION DEPARTMENT

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2024	2025	2026	2027	2028	Total
Fitness Equipment Replacement	\$ -	\$ 80,000	\$ 350,000	\$ -	\$ -	\$ 430,000
Miller Activity Complex Pool Updates	150,000	250,000	-	100,000	100,000	600,000
Recreation Center Pool Updates	150,000	200,000	200,000	250,000	160,000	960,000
Miller Activity Complex Floor & Toddler Remode	250,000	-	-	-	-	250,000
Locker Rooms Remodel	-	100,000	100,000	-	-	200,000
Recreation Center Sign Replacement	-	-	-	50,000	-	50,000
Total Expenditures by Year	\$ 550,000	\$ 630,000	\$ 650,000	\$ 400,000	\$ 260,000	\$ 2,490,000

Project Funding Sources	2024	2025	2026	2027	2028	Total
Sales Tax	\$ 550,000	\$ 630,000	\$ 650,000	\$ 400,000	\$ 260,000	\$ 2,490,000
Total Funding Sources by Year	\$ 550,000	\$ 630,000	\$ 650,000	\$ 400,000	\$ 260,000	\$ 2,490,000

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



Miller Activity Complex

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Fitness Equipment Replacement**

Project Number: 70-30
 Contact: Mike Kilman, Recreation Manager
 Department: Parks & Recreation Department
 Category: Equipment
 Type: Replacement
 Useful Life: 3 Years

Description and Justification

Over the past years, the selectorized equipment has been heavily used by community members working out at the Recreation Center. This constant usage has led to a decrease in reliability of the equipment which has resulted in more frequent down time for the equipment, and frustration for patrons. The current line of equipment is at the end of its functional lifespan. It is time to replace the equipment to ensure a safe and reliable environment for our patrons. The equipment has an anticipated life cycle of 7-8 years.

In order to provide a safe and functional workout experience, the Parks and Recreation department has begun an eight year purchasing cycle to avoid increased costs for labor to maintain aging equipment and prevent increased time equipment is out of order. This has allowed the Town to increase its purchasing power by trading in aging equipment before it has completely depreciated. Free weights are scheduled to be replaced in 2025 as they are reaching their end of functional lifespan as well.

Expenditures	2024	2025	2026	2027	2028	Total
Free Weight/Circuit	\$ -	\$ 80,000	\$ -	\$ -	\$ -	\$ 80,000
Cardio and Spin Equipment Replacement	-	-	350,000	-	-	350,000
Total Expenditures	\$ -	\$ 80,000	\$ 350,000	\$ -	\$ -	\$ 430,000

Funding Sources	2024	2025	2026	2027	2028	Total
Sales Tax	\$ -	\$ 80,000	\$ 350,000	\$ -	\$ -	\$ 430,000
Total Funding Sources	\$ -	\$ 80,000	\$ 350,000	\$ -	\$ -	\$ 430,000

Operational Impact

No future expenditures are anticipated as a result of this project. By keeping the amenities in good working condition and updating when necessary, these general improvements contribute to the overall facility and may attract additional patronage.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Miller Activity Complex Pool Updates

Project Number: 70-20
 Contact: Mike Kilman, Recreation Manager
 Department: Parks & Recreation Department
 Category: Equipment
 Type: Replacement
 Useful Life: 20 Years

Description and Justification

All pool facilities, except the leisure pool at the Miller Activity Complex (MAC) within the Town of Castle Rock have a backup boiler to maintain a high level of customer service, as well as extend the life of the main boiler. The leisure pool at the Miller Activity Complex (MAC) only has one boiler. If the boiler at the MAC was to fail and be offline it could force the pool to be close and result in possible revenue losses. The new backup boiler would allow the pool to continue to operate while maintenance and repairs are being done on the main boiler.

Expenditures	2024	2025	2026	2027	2028	Total
Leisure Pool Lighting, Door, and Texture	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ 150,000
Backup Boiler	-	250,000	-	100,000	100,000	450,000
Total Expenditures	\$ 150,000	\$ 250,000	\$ -	\$ 100,000	\$ 100,000	\$ 600,000

Funding Sources	2024	2025	2026	2027	2028	Total
Sales Tax	\$ 150,000	\$ 250,000	\$ -	\$ 100,000	\$ 100,000	\$ 600,000
Total Funding Sources	\$ 150,000	\$ 250,000	\$ -	\$ 100,000	\$ 100,000	\$ 600,000

Operational Impact

Replacing this unit with a newer, more energy efficient unit is expected to reduce costs for both maintenance and operations. Any savings will be determined after the new unit is in service and will be reflected in future budget requests.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name **Recreation Center Pool Updates**

Project Number: 70-20
 Contact: Mike Kilman, Recreation Manager
 Department: Parks & Recreation Department
 Category: Equipment
 Type: Replacement
 Useful Life: 15+ Years

Description and Justification

The filters on the Recreation Center lap pool are original to the building. Sand filters such as the filters in the lap pool typically last 15-25 years. Built in 2006, the filters are now over 15 years old. The filters operate in a caustic environment and have reached the end of their functional life cycle. The current filters leak and are difficult to maintain water pressure when conducting routine maintenance. They have become unreliable and require multiple staff to operate. The purchase of a new filtration system will last an expected 15-25 years if properly maintained.

The Recreation Center leisure pool play structure was installed in 2006. The structure is a critical feature of the Recreation Center which allows the aquatics facility to be accessible to younger ages who are yet to be strong swimmers year round. The current structure has reached the end of it's useful lifecycle. The lifecycle varies as manufactures make replacement parts. With the current structure, pieces have failed due to heavy use and corrosion. It has become impossible to source replacements. In order to maintain a safe and reliable environment, the structure must be replaced. A new structure would allow for parts to be replaced and allow for an anticipated useful lifespan of 10-15 years.

Expenditures	2024	2025	2026	2027	2028	Total
Recreation Lap Pool DHU and RTU	\$ 150,000	-	-	\$ -	\$ 160,000	\$ 310,000
Recreation Filters	-	200,000	-	-	-	200,000
Recreation Center Pool Play Structure	-	-	200,000	-	-	200,000
Recreation Leisure Pool Deck Door	-	-	-	250,000	-	250,000
Total Expenditures	\$ 150,000	\$ 200,000	\$ 200,000	\$ 250,000	\$ 160,000	\$ 960,000

Funding Sources	2024	2025	2026	2027	2028	Total
Sales Tax	\$ 150,000	\$ 200,000	\$ 200,000	\$ 250,000	\$ 160,000	\$ 960,000

Total Funding Sources	\$ 150,000	\$ 200,000	\$ 200,000	\$ 250,000	\$ 160,000	\$ 960,000
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Operational Impact

No future expenditures are anticipated as a result of this project. By keeping the amenities in good working condition and updating when necessary, these general improvements contribute to the overall facility and may attract additional patronage.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Miller Activity Complex Floor & Toddler Remodel

Project Number: 70-20
 Contact: Mike Kilman, Recreation Manager
 Department: Parks & Recreation Department
 Category: Infrastructure
 Type: Replacement
 Useful Life: 15+ Years

Description and Justification

The current rubberized flooring in the MAC party rooms has reached the end of its lifecycle. Original to the building, eight years of use has left them stained and worn out. The stairs have also become worn down from constant usage from patrons and athletes. In order to provide a safe and functional flooring in the party rooms/breeze way and traction on the stairs, flooring will need to be replaced. The MAC toddler area play feature has reached the end of its lifecycle. The climbing feature has worn holes in it and is currently repaired by electrical tape. The cost to repair the feature is the same as purchasing a new one.

Expenditures	2024	2025	2026	2027	2028	Total
MAC Flooring	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
MAC Stair Tread Replacement	50,000	-	-	-	-	50,000
Baby Slide Replacement	100,000	-	-	-	-	100,000
Total Expenditures	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000

Funding Sources	2024	2025	2026	2027	2028	Total
Sales Tax	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Total Funding Sources	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ 250,000

Operational Impact

No future expenditures are anticipated as a result of this project. By keeping the amenities in good working condition and updating when necessary, these general improvements contribute to the overall facility and may attract additional patronage.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name Locker Rooms Remodel

Project Number: 70-20
 Contact: Mike Kilman, Recreation Manager
 Department: Parks & Recreation Department
 Category: Equipment
 Type: Replacement
 Useful Life: 15+ Years

Description and Justification

The Recreation Center locker rooms were last renovated over 15 years ago. The flooring in the locker rooms is now stained from underneath due to moisture and gives the appearance of being unsanitary. In addition to the flooring damage, the lockers have reached the end of their useful life and have begun rusting.

Expenditures	2024	2025	2026	2027	2028	Total
Recreation Center Locker Rooms	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 200,000

Total Expenditures	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 200,000
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Funding Sources	2024	2025	2026	2027	2028	Total
Sales Tax	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 200,000

Total Funding Sources	\$ -	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 200,000
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Operational Impact

No future expenditures are anticipated as a result of this project. By keeping the amenities in good working condition and updating when necessary, these general improvements contribute to the overall facility and may attract additional patronage.

2024-2028 CAPITAL IMPROVEMENT PROGRAM

FIRE CAPITAL FUND

FIRE DEPARTMENT

PROJECTS & FUNDING SOURCES BY DEPARTMENT

Project Expenditures	2024	2025	2026	2027	2028	Total
Station 156 Construction	\$ 1,500,000	\$ 6,300,000	\$ -	\$ -	\$ -	\$ 7,800,000
Total Expenditures by Year	\$ 1,500,000	\$ 6,300,000	\$ -	\$ -	\$ -	\$ 7,800,000

Project Funding Sources	2024	2025	2026	2027	2028	Total
Impact Fees	\$ 1,500,000	\$ 300,000	\$ -	\$ -	\$ -	\$ 1,800,000
Interfund Loan	-	6,000,000	-	-	-	6,000,000
Total Funding Sources by Year	\$ 1,500,000	\$ 6,300,000	\$ -	\$ -	\$ -	\$ 7,800,000

Funding Source information is intended to identify the revenue that is planned to pay for the capital projects included. While additional revenue is anticipated to be received each year, this information identifies only what is necessary to fund the Capital Improvement Program.



Fire Station 155

2024-2028 CAPITAL IMPROVEMENT PROGRAM

Project Name

Station 156 Construction

Project Number: 78-18
 Contact: Norris Croom, Fire Chief
 Department: Fire Department
 Category: Building
 Type: New
 Useful Life: 50 Years

Description and Justification

Based upon call for service projections, Planning Zone 6 (Castle Oaks, Terrain, Liberty Village and Cobblestone Ranch neighborhoods) will reach the planning threshold for new station consideration currently scheduled to open in 2025/2026.

The requested funding is for the construction of the station. Staffing for this station will be funded out of the General Fund Fire Department. This aligns with the Strategic Priority of Council by ensuring outstanding public safety, and this will allow the department to maintain our level of service in this specific planning zone.

Expenditures	2024	2025	2026	2027	2028	Total
Station 156 Construction	\$ 1,500,000	\$ 6,300,000	\$ -	\$ -	\$ -	\$ 7,800,000
Total Expenditures	\$ 1,500,000	\$ 6,300,000	\$ -	\$ -	\$ -	\$ 7,800,000

Funding Sources	2024	2025	2026	2027	2028	Total
Interfund Loan	\$ -	\$ 6,000,000	\$ -	\$ -	\$ -	\$ 6,000,000
Impact Fees	1,500,000	300,000	-	-	-	1,800,000
Total Funding Sources	\$ 1,500,000	\$ 6,300,000	\$ -	\$ -	\$ -	\$ 7,800,000

Operational Impact

This station has operations budgeted of \$2.5 million in the General Fund starting in 2025.