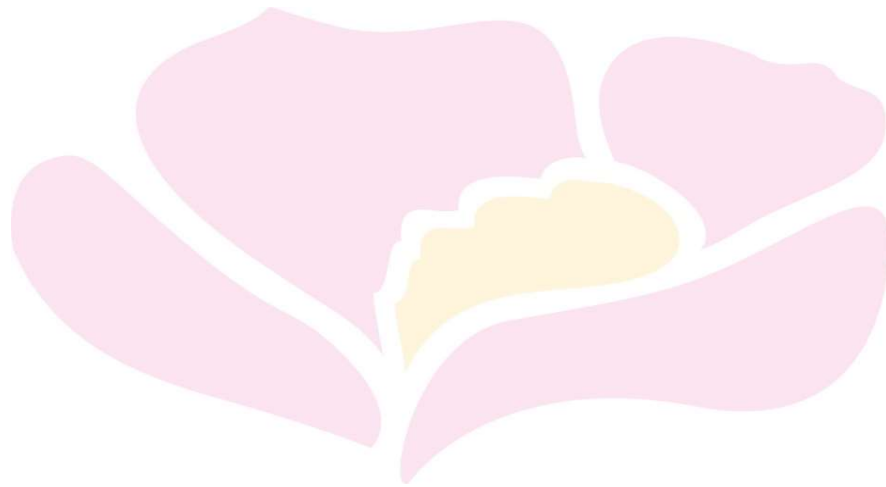




2023 and 2024 Capital Budget



APPROVED by Council December 19, 2022

City of Camrose
Capital Budget 2023 & 2024 Projects
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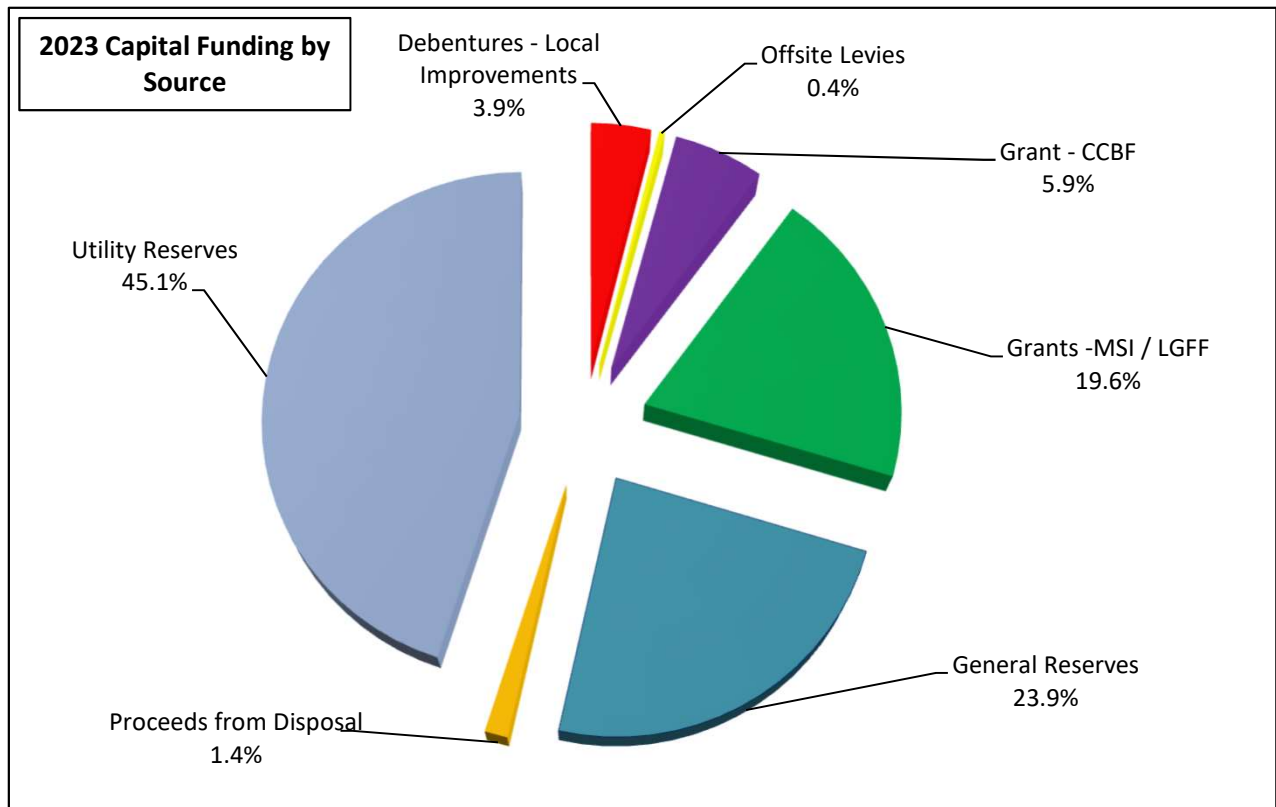
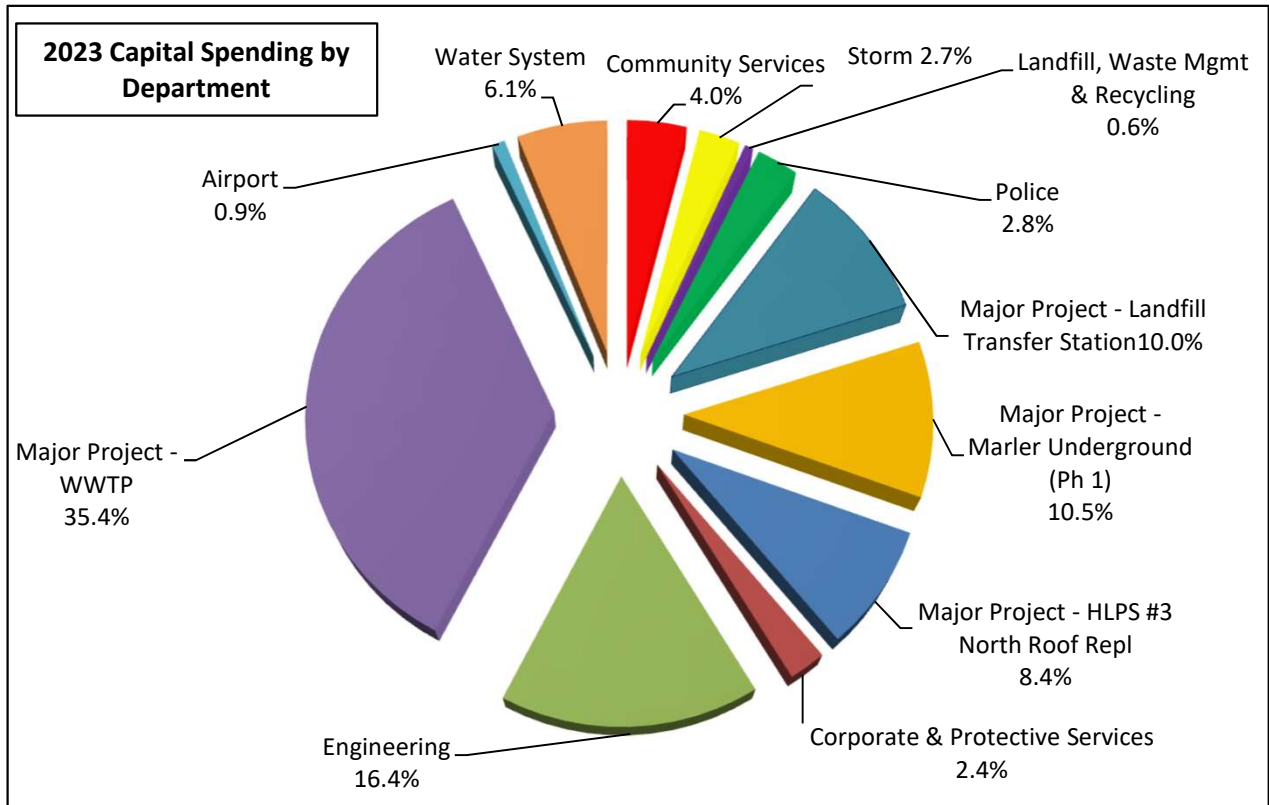
Summary Table - Total Costs 2023 & 2024 & Multi-Year Capital Projects

PROJECT COSTS	2023	2024	2025	2026
<u>Capital - Community Services</u>				
Cemeteries	-	100,000	-	-
Facilities	662,000	470,000	-	-
Parks	515,000	610,000	-	-
Golf Course	167,000	71,800	-	-
Total Community Services	1,344,000	1,251,800	-	-
<u>Capital - Corporate & Protective Services</u>				
Fire	60,000	60,000	-	-
General Administration & Financial Services	40,000	-	-	-
Information Technology	695,000	335,000	160,000	45,000
Total Corporate & Protective Services	795,000	395,000	160,000	45,000
Capital - Police Protection	950,000	215,000	-	-
<u>Capital - Engineering Services</u>				
General Operating				
General Administration	50,000	-	-	-
Vehicles & Equipment	1,851,000	310,000	-	-
Roads, Lights & Signals	3,615,000	3,260,000	-	-
Storm Systems	924,500	80,000	-	-
Airport	300,000	60,000	-	-
Land Development	-	-	-	-
Total Engineering Services - Operating	6,740,500	3,710,000	-	-
Utilities				
Water Systems	8,376,500	5,794,000	-	-
Wastewater Systems	11,927,561	5,415,069	-	-
Recycling	100,000	-	-	-
Waste Management	60,000	-	-	-
Landfill	3,385,000	4,950,000	-	-
Total Engineering Services - Utilities	23,849,061	16,159,069	-	-
Total Capital	33,678,561	21,730,869	160,000	45,000

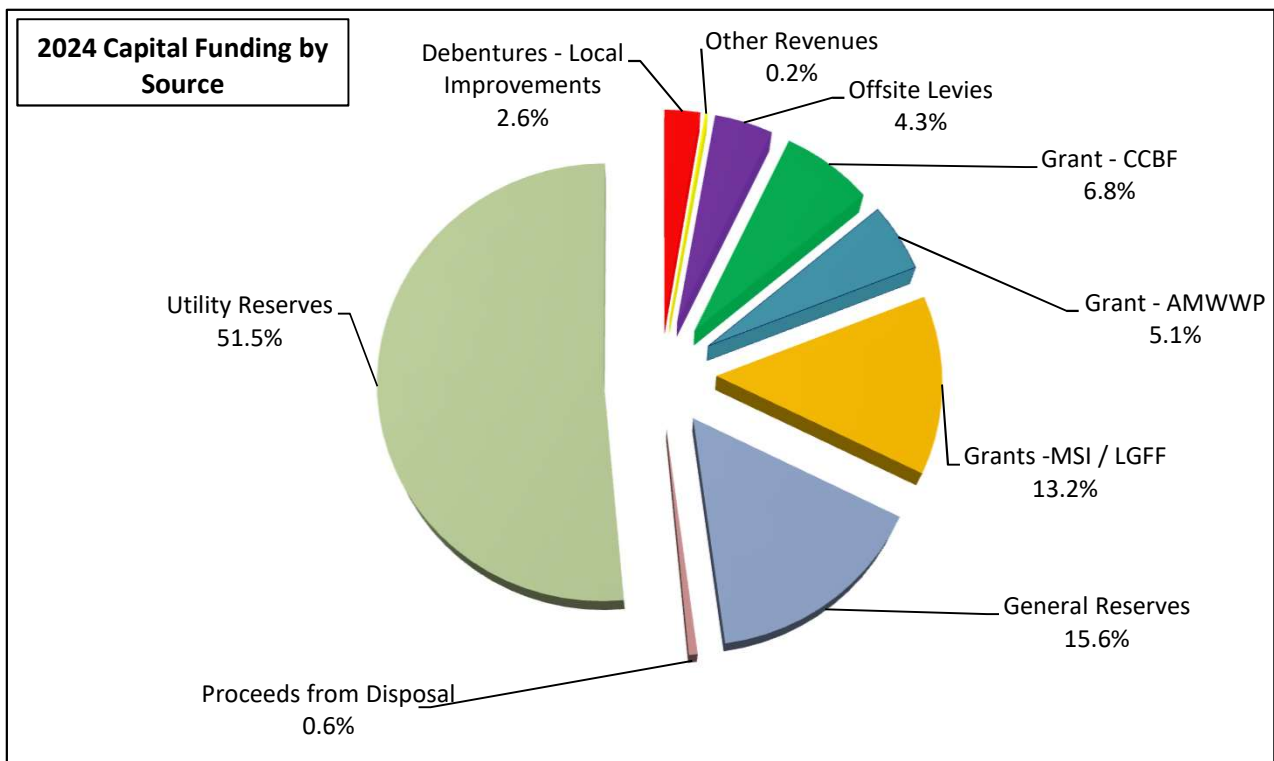
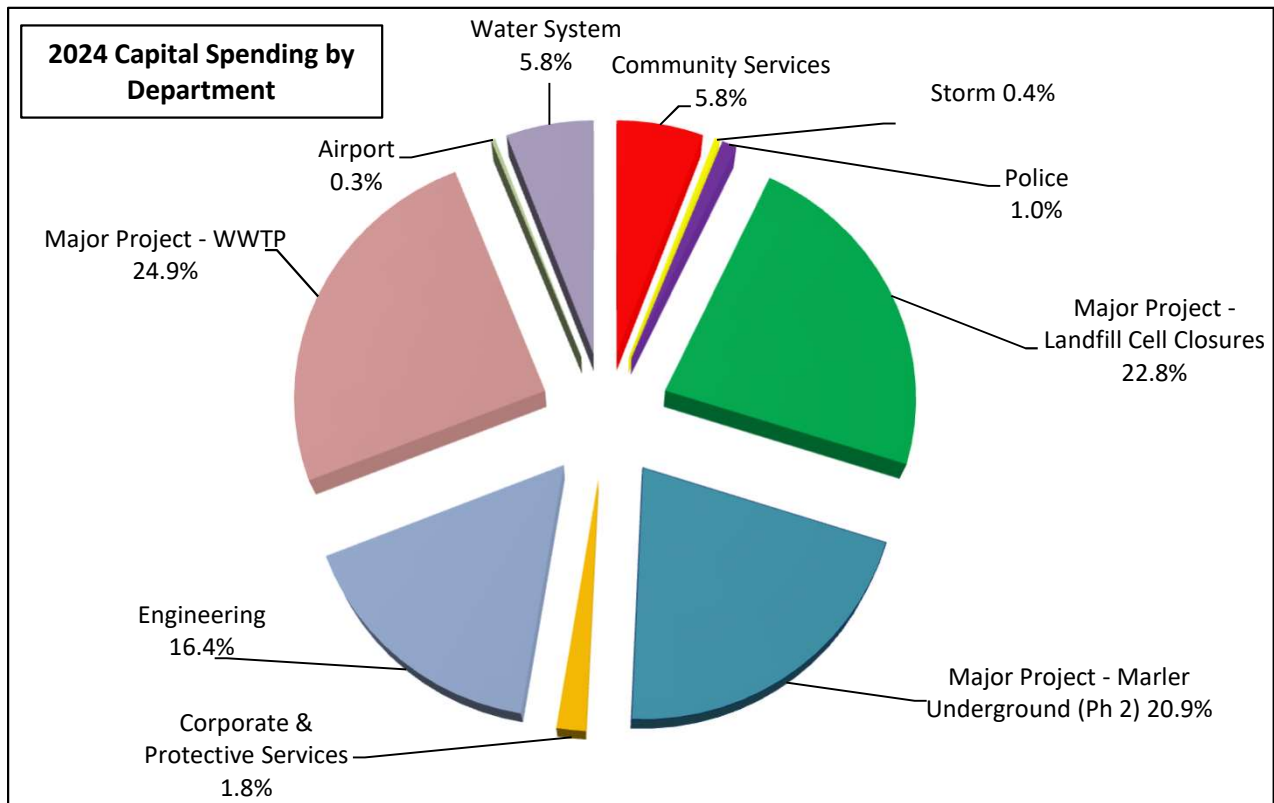
Summary Table - Total Funding 2023 & 2024 & Multi-Year Capital Projects

PROJECT FUNDING	2023	2024	2025	2026
Grants				
Grants - Municipal Sustainability Initiative (MSI) / Local Government Fiscal Framework (LGFF)	6,589,000	2,873,000	-	-
Grants - Canada Community Building Fund (CCBF)	1,975,600	1,479,000		-
Grants - Alberta Municipal Water/Wastewater Partnership (AMWWP)	-	1,109,616	-	-
	8,564,600	5,461,616	-	-
Debenture - Local Improvements	1,306,900	571,000	-	-
Contributions from Developers/Other Revenue	-	40,000	-	-
Offsite Levies	119,000	939,178	-	-
Proceeds on Disposal	474,200	133,000	-	-
Reserves				
Reserve-Equipment Replacement	1,935,800	635,800	-	-
Reserve-Computer Replacement	30,000	-	-	-
Reserve-Water Utility	1,557,500	1,959,000	-	-
Reserve-Wastewater Utility	12,653,561	4,286,275	-	-
Reserve-Landfill & Accrued Liability Funding	810,000	4,950,000	-	-
Reserve-Recycling	100,000	-	-	-
Reserve-Waste Management	60,000	-	-	-
Reserve-Airport	50,000	-	-	-
Reserve-Police Infrastructure	935,000	200,000	-	-
Reserve-Transportation Infrastructure	342,000	1,210,000		-
Reserve-Carryforward Funding	765,219	175,000	-	-
Reserve-General Infrastructure	3,974,781	1,170,000	160,000	45,000
	23,213,861	14,586,075	160,000	45,000
Total Project Funding	33,678,561	21,730,869	160,000	45,000

**City of Camrose
Capital Budget
2023 Total Capital = \$33,678,561**



**City of Camrose
Capital Budget
2024 Total Capital = \$21,730,869**



Capital Projects Community Services

PROJECT COSTS	2023	2024
<u>Cemeteries</u>		
842 - Cemeteries - Columbarium	-	100,000
Total: Cemeteries - Capital	-	100,000
<u>Community Services-Facilities - Capital</u>		
Facilities-Buildings/Improvements		
1065 - Library - Bathroom Renovations	30,000	-
1110 - Library - Programming Space Renovations	50,000	-
1075 - Replacement Downtown Washroom Facility	-	10,000
1081 - City Hall - Chiller Replacement	250,000	-
1083 - Mirror Lake Center - Makeup Air Unit	-	100,000
1084 - Mirror Lake Center - LED Upgrades	-	30,000
1087 - Community Services - Recreation Software Upgrade	-	100,000
1089 - High School Tennis Courts Surface Improvements	-	135,000
869 - Centennial Museum - replace floor and lighting in main building	40,000	-
872 - Curling Rink - Lighting Upgrade	50,000	-
986 - Max McLean Ice Plant Upgrades/ HVAC	120,000	95,000
991 - Max Arena Roof Repair	80,000	-
Total: Facilities-Buildings/Improvements	620,000	470,000
Facilities-Vehicles & Equipment		
689 - Replace Unit #710 - 1/2 Ton Truck	42,000	-
Total: Facilities-Vehicles & Equipment	42,000	-
Total: Community Services-Facilities - Capital	662,000	470,000
<u>Golf Course</u>		
Golf Course - Vehicles & Equipment		
738 - Golf Course - Toro Sandpro (Unit 623)	22,000	-
834 - Golf Course - Toro Workman HDX-D (Unit 620)	40,000	-
884 - Golf Course - JD 1570 Terrain Cut (Unit 627)	-	51,800
Total: Golf Course - Vehicles & Equipment	62,000	51,800
Golf Course - Infrastructure - Capital		
1085 - Golf Course - Washroom Upgrades	37,000	-
1086 - Golf Course - Roof Repairs	30,000	-
1103 - Golf Course - Attachment - Bentgrass Over Seeding Heads	18,000	-
1107 - Golf Course - Irrigation System Upgrade	20,000	20,000
Total: Golf Course - Infrastructure - Capital	105,000	20,000
Total: Golf Course	167,000	71,800

Capital Projects Community Services

PROJECT COSTS	2023	2024
Community Services-Parks - Capital		
Parks-Play Areas		
234 - Playground Equipment Rehabilitation	135,000	-
Total: Parks-Play Areas	135,000	-
Parks-Trails		
1079 - Bill Fowler/Mirror Lake - Steps and Pergola Upgrades	-	20,000
217 - Trail System Upgrades	280,000	240,000
Total: Parks-Trails	280,000	260,000
Parks-Vehicles & Equipment		
173 - Replace Unit #830 - Chipper - Parks	-	60,000
362 - Replace Unit #829 - Parks - Out Front Mower	50,000	-
552 - Replace Unit #814 - Parks -Terraincut	50,000	-
557 - Replace Unit #824 - Parks - Sweepstar Sweeper	-	50,000
558 - Replace Unit #818 - Parks - Mower	-	50,000
693 - Replace Unit #803 - 1 Ton TruckW/Box & Hoist	-	60,000
724 - Replace Unit #809 - Kubota M100 Large Tractor	-	130,000
Total: Parks-Vehicles & Equipment	100,000	350,000
Total: Community Services-Parks - Capital	515,000	610,000
Total Community Services Capital - Project Costs	1,344,000	1,251,800

PROJECT FUNDING	2023	2024
Other Revenue	-	40,000
Reserves - General Infrastructure	890,000	810,000
Reserves - Carryforward Funding	250,000	-
Reserves - Equipment Replacement	177,800	339,800
Proceeds on Disposal	26,200	62,000
Total Project Funding	1,344,000	1,251,800

Capital Projects

Community Services

PROJECT DESCRIPTIONS

Cemeteries - Capital

Project 842 - Cemeteries - Columbarium - Based on demand, it is anticipated that an additional columbarium will be required in 2024.

Community Services-Facilities - Capital

Project 1065 - Library - Bathroom Renovations - The Library contains 4 washrooms that require renovations/upgrades due to their age and current condition.

Project 1110 - Library - Programming Space Renovations - Renovate current space to improve/optimize it for programming opportunities.

Project 1075 - Replacement Downtown Washroom Facility - The City recently completed a washroom feasibility study. It was identified that the downtown facility should be replaced with a new facility. The \$10k in 2024 is for design of a new facility. Approval of the construction of a new facility will be discussed as part of the 2025 budget deliberations.

Project 1081 - City Hall - Chiller Replacement - An investigation into ongoing issues with this unit concluded this unit needs to be replaced in 2023. Engineering work to confirm the specs of the replacement unit is being completed in Q4 2022.

Project 1083 - Mirror Lake Center - Makeup Air Unit - This unit has exceed its useful service life and the risk of failure continues to increase. Replacement of this unit in 2024 is recommended.

Project 1084 - Mirror Lake Center - LED Upgrades - This is to replace the lighting in the basement to LED lighting.

Project 1087 - Community Services - Recreation Software Upgrade - The Community Services department presently uses recreation software for coordinating bookings, taking online and in person registration for classes / activities and for point of sale. The current software has many glitches and was not originally designed to handle what the department needs are. It has improved with updates over the years, however the staff are exploring other options should this not continue to meet the needs.

Project 1089 - High School Tennis Courts Surface Improvements - The tennis courts at the Camrose Composite High School require a resurfacing. This includes a specialized surface for longevity for improving the playing surface compared to bare asphalt.

Project 869 - Centennial Museum - replace floor and lighting in main building – The lighting and flooring in the Camrose Centennial Museum main building is original and worn out / out of date.

Project 872 - Curling Rink - Lighting upgrade - Upgrade to LED lights. Administration will look into the Recreation Lighting upgrade grant to help supplement this project.

Project 986 - Max McLean Ice Plant Upgrades/ HVAC – 2023 Improve room ventilation, HVAC and upgrade ice plant controls, 2024 continue upgrade to ice plant controls.

Project 991 - Max Arena Roof Repair – Upon the recommendation of a specialized wood structure testing firm, it was recommended to replace one small section of the Max MacLean tongue and groove roof decking in the near future.

Community Services-Golf Course - Capital

Project 1085 - Golf Course - Washroom Upgrades – The golf course washrooms on both floors are original and have not had any improvements since the building was constructed. There are many worn / broken components and a general facelift is recommended.

Project 1086 - Golf Course - Roof Repairs - The roof was subject to wind damage in 2022. As a result, the roofing consultant hired recommended that the remaining roofing was at end of life and requires replacing soon.

Project 1103 - Golf Course - Attachment - Bentgrass Over Seeding Heads - This is an attachment that helps distribute new seed and ensure better germination. This helps with quickly re-establishing damaged greens in the spring as well as reduces staff labor to manually germinate seed whenever required.

Project 1107 - Golf Course - Irrigation System Upgrade - One section of the golf course has original irrigation heads that can no longer be serviced. They are at end of life.

Community Services-Parks - Capital

Project 234 - Playground Equipment Rehabilitation - Project involves the removal / replacement of existing playground structures due to aging of existing infrastructure. Near term focus is on playgrounds in West Park and Bill Fowler. Budget will also add some features around the Spray Park.

Project 1079 - Bill Fowler/Mirror Lake - Steps and Pergola Upgrades - 2024 Budget includes \$20k for design of project to address failing infrastructure. Approval of the project construction will be discussed as part of the 2025 budget deliberations.

Project 217 - Trail System Upgrades - Ongoing maintenance and resurfacing of paved trails throughout the city. 2023 will see some continuation of maintenance in the Stoney Creek park, the berm trail in areas and address some failures around Mirror Lake.

Capital Projects

Corporate & Protective Services & Other

PROJECT COSTS	2023	2024	2025	2026
<u>Fire Services Capital</u>				
Fire - Infrastructure Capital				
996 - Fire - SCBA Replacement	60,000	60,000	-	-
Total Fire Services Capital	60,000	60,000	-	-
<u>Other Services</u>				
Other - Vehicles				
745 - Replace Unit #104 - Ford Explorer	40,000	-	-	-
Total Other Services Capital	40,000	-	-	-
<u>Information Technology Services</u>				
IT Services - Infrastructure Capital				
1024 - CHL NSP 7100 Replacement	75,000	-	-	-
1026 - VM Server Upgrades	30,000	-	-	-
1053 - Software Solution - Permitting & Asset Management Solution	300,000	170,000	160,000	45,000
497 - WLAN Upgrade	100,000	-	-	-
498 - Disk to Disk Backup Solution	-	75,000	-	-
500 - SCADA NSP Replacement	-	30,000	-	-
802 - Load Balancer	-	30,000	-	-
892 - City Hall Datacenter Switching Upgrades	160,000	-	-	-
98 - Network Fiber Installation	30,000	30,000	-	-
Total IT Services - Infrastructure Capital	695,000	335,000	160,000	45,000
Total Capital	795,000	395,000	160,000	45,000

PROJECT FUNDING	2023	2024	2025	2026
Proceeds on Disposal	5,000	-	-	-
Reserves - General Infrastructure	325,000	250,000	160,000	45,000
Reserves - Carryforward Funding	400,000	145,000	-	-
Reserves - Computer Replacement	30,000	-	-	-
Reserves - Equipment Replacement	35,000	-	-	-
Total Project Funding	795,000	395,000	160,000	45,000

Capital Projects

Corporate & Protective Services & Other

PROJECT DESCRIPTIONS

Fire Services - Infrastructure Capital

Project 996 - Fire - SCBA Replacement - The Fire department has 30 self contained breathing apparatuses (SCBAs). Due to the age and condition of the apparatus's, a replacement program has been established replacing six per year.

IT Services - Infrastructure Capital

Project 1024 - CHL NSP 7100 Replacement - Intrusion Prevention and Detection for Edge, Internet, and external facing services.

Project 1026 - VM Server Upgrades - Replace and upgrade of existing virtual hosts to accommodate increased virtualization requirements.

Project 1053 - Software Solution - Permitting & Asset Management - Incorporate a software solution to address various needs within the Community Development and Safety Codes business units to enhance joint work flows, while creating efficiencies in communicating and providing transparency to the public. Once permitting, licensing, and land processes are addressed, the project would shift focus on integrating an asset management solution would provide support to all business units City wide.

Project 497 - WLAN Upgrade - Wireless LAN controllers will be end-of-life and are no longer supported.

Project 498 - Disk to Disk Backup Solution - Capacity review, upgrade and evergreen backup repository hardware. Potential cloud backup solution as an alternative.

Project 500 - SCADA NSP Replacement - Intrusion prevention between utilities/SCADA and City business network. McAfee Network Security Platform sensors that protect our critical infrastructure (SCADA devices) are end of life and need to be replaced.

Project 802 - Load Balancer - Capacity review, upgrade and evergreen of Citrix VPX based on business needs.

Project 892 - City Hall Datacenter Switching Upgrades - Existing DC switches are end-of-life. This project will replace Cisco with Juniper switches throughout all of City Hall achieving an operational cost savings.

Project 98 - Network Fiber Installation - Continue with fiber network installation, fusion splicing, and terminations throughout the City.

Capital Projects Police Protection

PROJECT COSTS	2023	2024
<u>Police Capital</u>		
Police Technical		
1000 - McAfee IPS	-	50,000
610 - Provincial Radio Infrastructure AFRRCS	450,000	-
922 - Police Backup Dispatch/ E-911 Centre - City Hall	310,000	-
997 - Next Generation 911	25,000	-
Total: Police Technical	785,000	50,000
Police-Vehicles		
611 - Police Vehicle Replacement-New K9 Unit	85,000	-
612 - Police Vehicle Replacement-School Resource Officer	65,000	-
652 - Police Patrol Vehicle Replacement	-	75,000
653 - Police Vehicle Replacement	-	75,000
655 - Police Unmarked Vehicle Replacement	15,000	15,000
Total: Police-Vehicles	165,000	165,000
Total: Police Capital	950,000	215,000

PROJECT FUNDING	2023	2024
Reserves - Police Infrastructure	935,000	200,000
Proceeds on Disposal	15,000	15,000
Total Project Funding	950,000	215,000

PROJECT DESCRIPTIONS

Police Technical

Project 1000 - McAfee IPS - Camrose PS NSP Replacement - McAfee Network Security Platform sensors that protect our Police network from intrusion via adjacent networks (NG911 and National Police Service NW) are end of life and need to be replaced.

Project 1610 - Provincial Radio Infrastructure AFRRCS - The Camrose Police Service is in need of replacing their current police radio system which is end of life. New police radios and dispatch consoles are being purchased accessing the Alberta First Responder Radio Communications System (AFRRCS). This will expand and improve the police services ability to communicate with other policing partners, extend the operating range and have CPS join all other policing partners (except Calgary) across the province.

Project 922 - Backup Dispatch/E-911 Centre - City Hall - Create a backup E911/Dispatch Centre at City Hall. This is a legislated requirement for all 911 PSAP's to have an emergency back-up location in the event the main PSAP goes down. This is mostly software and 2 work stations/phones that essentially are dormant, unless a disaster hits.

Project 997 - Next Generation 911 - Reserve carried over from 2022, as the NG911 transition and onboarding to Provincial NG network (ESINET) is new for all PSAPS across the province and some unanticipated costs may be required to complete the transition.

Capital Projects - Engineering & Public Works

General Administration

PROJECT COSTS	2023	2024
<u>Capital - Engineering</u>		
Engineering		
749 - Replace Unit #347 - 3/4 Ton Truck	50,000	-
Total Engineering	50,000	-
<u>Public Works - Capital</u>		
PW-Vehicles & Equipment		
288 - Replace Unit #394 - 3/4 Ton Extended Cab	-	50,000
430 - Replace Unit #350 - 1 Ton Service Truck	50,000	-
463 - Replace Unit #326 - Vactor Truck	650,000	-
465 - Replace Unit #361 - Smooth Drum Roller	30,000	-
466 - Replace Unit #316 - Tandem Sander	-	260,000
49 - Replace Unit #344 - Large Loader	490,000	-
620 - Replace Unit #388 - Tar Kettle	60,000	-
759 - Replace Unit #338 - IHC 7400 Tandem	170,000	-
760 - Replace Unit #339 - IHC 7400 Tandem	170,000	-
765 - Replace Unit #399 - Chev 1/2 Ton	42,000	-
769 - Replace Unit #378 - GMC 1/2 Ton Truck	42,000	-
773 - Replace Unit #393 - Chev 1/2 Ton Truck	42,000	-
1112 - Purchase 2nd Tar Kettle - Sell a Hot Box	105,000	-
Total: PW-Vehicles & Equipment	1,851,000	310,000
Total Public Works & Engineering - General Capital	1,901,000	310,000
<hr/>		
PROJECT FUNDING	2023	2024
Proceeds on Disposal	400,000	48,000
Reserves - Equipment Replacement	1,501,000	262,000
Total Project Funding	1,901,000	310,000

Capital Projects - Engineering & Public Works

Roads, Lights & Signals

PROJECT COSTS	2023	2024
Capital - Engineering		
Lights & Signals		
28 - Ongoing Traffic Signals Upgrades	50,000	215,000
Total: Lights & Signals	50,000	215,000
 Arterial Roads		
1034 - Rehabilitation of Hwy 833 Bridge	450,000	-
1073 - Highway 26 Rehab. from East of Railway Tracks to City Limits	640,000	-
1082 - Marler Drive Reconstruction (Asphalt, Sidewalk, Curb & Gutter) - Parkview Dr. to Mt. Pleasant Dr.	1,090,000	-
1090 - Marler Drive Reconstruction (Asphalt, Sidewalk, Curb & Gutter) - Mt. Pleasant Dr. to 68 St.	-	1,360,000
1091 - 48 Avenue Rehab. (39 St. to 44 St.) - Mill & Overlay	-	400,000
1095 - 68 Street Overlay (48 Ave to 50 Ave)	-	370,000
1111 - Rehabilitation of 48 Avenue Bridge Approaches	110,000	-
904 - Arterial Road Intersection Rehab. (various locations, non LIMP)	80,000	80,000
957 - 48 Avenue Rehab. (66 St. to 73 St.) - Mill & Overlay	575,000	-
Total: Arterial Roads	2,945,000	2,210,000
 Local Roads		
1048 - 51 Street from 48 Avenue to 51 Avenue - Asphalt Overlay	-	320,000
1074 - 54 Avenue Rehab (62 Street to 68 Street) - Mill & Overlay	278,000	-
1096 - 53 Avenue Sidewalk Replacement (48 Street to 53 Street) - North Side	250,000	-
1097 - 53 Avenue Separate Walk (South) & Overlay (47 Street to 53 Street)	-	435,000
913 - Local Roadway Intersection Rehab. (various locations, non LIMP)	92,000	80,000
Total: Local Roads	620,000	835,000
Total: Arterial and Local Roads	3,565,000	3,045,000
 Total: Roads, Lights & Signals	3,615,000	3,260,000
PROJECT FUNDING	2023	2024
Grants - MSI/LGFF	865,000	-
Grants - CCBF	1,975,600	1,479,000
Debenture - Local Improvements	432,400	571,000
Reserve - Transportation Infrastructure	342,000	1,210,000
Total Project Funding	3,615,000	3,260,000

Capital Projects - Engineering & Public Works

Roads, Lights & Signals

PROJECT DESCRIPTIONS

Lights & Signals

Project 28 - Traffic Signals Upgrades - Ongoing upgrades to various traffic signals, pedestrian crossing signals, and/or rail crossing signals throughout the City. Typical improvements may include such items as: replacement of aging signal poles & equipment, upgrading of signal heads to allow for additional turning functions (such as dedicated left turn phases), installation of traffic detection cameras to replace aging roadway loops, and upgrading of traffic cabinets.

Arterial Roads

Project 1034 - Rehabilitation of Hwy 833 Bridge - The scope includes the removal of the existing surface from the bridge, remove and re-install bridge girders, replacement of 5 bridge piles, supply and install new bridge caps, bridge rails and guardrails, and new asphalt roadway surface. The scope of this project also includes environmental permitting, testing and traffic accommodation (full road closure is expected for this project between Township Road 472 and 54 Avenue).

Project 1073 - Highway 26 Rehab. from East of Railway Tracks to City Limits - Rehabilitation of Highway 26 from the tie-in east of the CP Tracks (paved in ~2016) to the widening completed by the province in 2021. Recommend a 30mm asphalt scratch coat and a 50mm asphalt overlay. The scratch coat will fill any existing pot-holes and surface failures allowing for a better and longer lasting finish once the top lift is completed.

Project 1082 - Marler Drive Reconstruction (Asphalt, Sidewalk, Curb & Gutter) - Parkview Dr. to Mt. Pleasant Dr. - In conjunction with the deep utility replacement planned, Marler Drive is in need of major rehabilitation. The current condition of the roadway and sidewalk is very poor. Along with the road reconstruction, new curb and gutter and new 1.5m separate walk is required. A 2nd lift of asphalt will be completed in 2025.

Project 1090 - Marler Drive Reconstruction (Asphalt, Sidewalk, Curb & Gutter) - Mt. Pleasant Dr. to 68 St. - Phase 2 of the Marler Drive Reconstruction. In conjunction with the deep utility replacement planned, Marler Drive is in need of major rehabilitation. The current condition of the roadway and sidewalk is very poor. Along with the road reconstruction, new curb and gutter and new 1.5m separate walk is required. A 2nd lift of asphalt will be completed in 2026.

Project 1091 - 48 Avenue Rehab. (39 St. to 44 St.) - Mill & Overlay - Rehabilitation of 48 Avenue (both directions), between 39 Street and 44 Street, including auxiliary lanes on both sides. 50mm milling (full width) and overlay of existing asphalt pavement. Minor replacement of damaged concrete median, catch basins, and concrete curb & gutter only.

Project 1095 - 68 Street Overlay (48 Ave to 50 Ave) - Rehabilitation of 68 Street (both directions), between 48 Avenue and 50 Avenue, including auxiliary lanes on both sides. 50mm asphalt edge milling and overlay of existing asphalt pavement. Minor replacement of damaged concrete median, catch basins, and concrete curb & gutter only.

Project 1111 - Rehabilitation of 48 Avenue Bridge Approaches - Rehabilitation of the four approaches on BF00445 - 48 Avenue Bridge. Administration engaged ROHI Engineering as the consultant for the 2022 Bridge Maintenance contract. Through investigation, it has been determined that the concrete approach slabs have settled. The consultant is recommending mud-jacking to lift the approach slabs into their design location. Following mud-jacking, milling and replacement of the asphalt surface leading up to the bridge will be required.

Project 904 - Arterial Road Intersection Rehab (various locations) - Full intersection rehabilitation at various locations along the City's various arterial roadways (48 Avenue, 39 Street, 68 Street, Camrose Drive, etc.). These locations have experienced significant rutting & distress as a result of age and regular wear & tear. Spot repairs & overlay of intersection to extend life. 2023 focus will be 48 Avenue Westbound from 48 Street to 50 Street.

Project 957 - 48 Avenue Rehab. (mill and overlay) - 66 St to 68 St - Rehabilitation of 48 Avenue (both directions), between 66 Street and 68 St, including auxiliary lanes on both sides. 50mm milling and overlay of existing asphalt pavement. Minor replacement of damaged concrete median, catch basins, and concrete curb & gutter only.

Capital Projects - Engineering & Public Works

Roads, Lights & Signals

Local Roads

Project 1048 - 51 Street from 48 Avenue to 51 Avenue Asphalt Overlay - As recommended by the 2019 Tetra Tech Pavement Condition Assessment and upon recent site observations, this section of roadway is in need of a 50mm asphalt overlay. Due to the cross-fall near 48 Avenue and existing high crown, full width milling will be required. New line markings are part of the project. Minor concrete repairs only.

Project 1074 - 54 Avenue Rehab (62 Street to 68 Street) - Mill & Overlay - Rehabilitation of 54 Avenue, between 62 Street and 68 Street. 0-50mm asphalt edge milling and 50mm overlay of existing asphalt pavement. Minor replacement of concrete curb & gutters, concrete swales. Installation of new pedestrian ramps at all intersections currently without ramps.

Project 1096 - 53 Avenue Sidewalk Replacement (48 Street to 53 Street) - North Side - According to the 2021 Sidewalk Condition Assessment, sections of sidewalk along this project are rated poorest within the City of Camrose. Large sections of the sidewalk have had asphalt overlay improvements that have now aged out. Due to the condition of the sidewalk and the proximity to St. Pat's school, it is a priority to have the sidewalk replaced. Minor curb repairs only. The south side sidewalk along 53 Avenue from 47 Street to 53 Street will be replaced and a 50mm asphalt pavement overlay completed as part of a separate capital project in 2024.

Project 1097 - 53 Avenue Separate Walk (South) & Overlay (47 Street to 53 Street) - According to the 2021 Sidewalk Condition Assessment, sections of sidewalk along this project are rated poorest within the City of Camrose. Administration proposed completing the north sidewalk in 2023 and as a continuation, completing the south sidewalk in 2024. Minor curb repairs only.

Project 913 - Full intersection rehabilitation at various local roadway intersections throughout the City. Similar to work happening along various intersections on 48 Avenue. These locations have experienced significant rutting & distress as a result of age and regular wear & tear. Spot repairs & overlay of intersection to extend life. Not specifically identified in the Tetra Tech study, which mostly focused on sections between intersections. Budget assumes two or three intersections seeing rehabilitation each year. May also consider flankage paving in residential areas where no local improvement component required. 2023 focus will be 39 Street from 42 Avenue to Camrose Drive.

Capital Projects - Engineering & Public Works

Storm Systems

PROJECT COSTS	2023	2024
<u>Capital - Engineering - Storm Systems</u>		
Ponds & Structures		
116 - Storm Structure Upgrades	30,000	30,000
300 - Mirror Lake Spillway Upgrade	-	50,000
700 - CN Pond Inlet Drainage Channel Improvements and Upgrading	894,500	-
Total Storm Sewers - Capital	924,500	80,000

PROJECT FUNDING	2023	2024
Debenture - Local Improvements	874,500	-
Reserves - General Infrastructure	20,000	50,000
Reserves - Carryforward Funding	30,000	30,000
Total Project Funding	924,500	80,000

PROJECT DESCRIPTIONS

Storm Systems

Project 116 - Storm Structure Upgrades - Replacements and/or major restoration of storm ponds and outfall structures around the City. Many of these upgrades were identified in a recent infrastructure review by external consultants. This will be a multi-year project to complete all of the required upgrades, which will be prioritized based on the recommendations from the consultant with input from operations staff.

Project 300 - Mirror Lake Spillway Upgrade - Budget approval in 2024 is for design/review of maintenance options. The project will be reviewed as part of 2025 Budget deliberations with project proceeding if approved. 2025 Forecast currently includes \$890K construction project funded primarily with general infrastructure reserve. Potential work to install a cut-off wall on the upstream side of the existing structure to prevent further migration of water under / through the structure. The City has completed various work to reduce the risk of washout of the structure (mud-jacking within existing structure to attempt to plug "holes" in the structure, installation of new watermain around the structure and abandonment of existing watermain that runs under the structure, development of an Operations / Monitoring / Surveillance plan for the structure). However, there is still a risk of continued erosion through the structure unless a proper cut-off wall is installed.

Project 700 - CN Pond Inlet Drainage Channel Improvements and Upgrading - Twinning of the CN pond inlet channel from 41 St to CN pond, plus repairs at CN pond inlet (erosion). Ongoing erosion is happening along this channel, as the current channel (constructed back in the early 1970's) does not have sufficient capacity to accommodate current flows. The City did proceed with preliminary design in 2022, with construction in 2023.

Capital Projects - Engineering & Public Works Airport

PROJECT COSTS	2023	2024
<u>Capital - Engineering - Airport</u>		
1050 - Replace Underground AvGas Fuel Tanks	300,000	-
1092 - Airport Terminal Building Exterior Renovations	-	60,000
Total Airport - Capital	300,000	60,000

PROJECT FUNDING	2023	2024
Reserves - General Infrastructure	164,781	60,000
Reserves - Airport	50,000	-
Reserves - Carryforward Funding	85,219	-
Total Project Funding	300,000	60,000

PROJECT DESCRIPTIONS

Airport

Project 1050 - Replace Underground AvGas Fuel Tanks at Airport - Replace existing underground Avgas fuel tanks with new above-ground tanks. New cabinet and associated infrastructure.

Project 1092 - Airport Terminal Building Exterior Renovations - Replacement of deteriorated plywood sheathing and localized replacement of rigid foam insulation around the concrete foundation of the Terminal Building, sealing interior gaps / openings in foundation wall, install metal sheeting / flashing around base of exterior wall to protect against damage from line trimming operations.

Capital Projects - Utilities

Capital Projects - Utilities - Water Systems

PROJECT COSTS	2023	2024
Capital - Water Systems		
Reservoir/Pump Stations		
107 - Booster Station upgrades	475,000	-
1071 - HLPS #3 North Reservoir Roof Repl (SBS)	2,813,000	-
1072 - HLPS #3 South Reservoir Roof Repl (SBS)	-	20,000
1078 - HLPS #3 Pump Station Re-roofing	135,000	-
1068 - Lake Station - Various Capital Upgrades	38,500	-
Total: Reservoir/Pump Stations	3,461,500	20,000
Distribution - Water System		
1093 - Marler Drive Underground Replacements (Phase 1) - Parkview Dr. to Mt. Pleasant Dr.	3,525,000	-
1094 - Marler Drive Underground Replacements (Phase 2) - Mt. Pleasant Dr. to 68 Street	-	4,532,000
Total: Distribution-Water System	3,525,000	4,532,000
Treatment-Water System		
1066 - WTP - Various Capital Upgrades	140,000	-
1067 - WTP - Media Filter Replacement	1,000,000	1,200,000
Total: Treatment-Water System	1,140,000	1,200,000
Water-Vehicles & Equipment		
753 - Replace Unit #320 - Ford 1/2 Ton Truck	-	42,000
781 - Replace Unit #328 - Ford F250 Ext cab	50,000	-
88 - Replace Unit#313 - Single Axle Truck WTP	200,000	-
Total: Water-Vehicles & Equipment	250,000	42,000
Total: Water System - Capital	8,376,500	5,794,000

PROJECT FUNDING	2023	2024
Grants - MSI/LGFF	5,724,000	2,873,000
Offsite Levies - Water	119,000	-
Proceeds on Disposal	28,000	8,000
Reserve-Equipment Replacement	222,000	34,000
Reserve - Wastewater Utility	726,000	920,000
Reserve - Water Utility	1,557,500	1,959,000
Total Project Funding	8,376,500	5,794,000

Capital Projects - Utilities

Capital Projects - Utilities - Water Systems

PROJECT DESCRIPTIONS

Reservoir/Pump Stations

Project 107 - Booster Station upgrades - Based on the recommendations of the draft report regarding the assessment of the existing Duggan Park booster station, replacement of existing process mechanical (pumps, flow meter, some piping) and electrical equipment within the facility. Upgrades will allow the facility to continue providing operating pressures and fire flows to Duggan Park, as well as capacity for current and future growth.

Project 1071 - HLPS #3 North Reservoir Roof Repl (SBS) - Replacement of existing roof structure with SBS roof assembly on north reservoir at HLPS #3. Removal of existing sport courts, fencing, trees, etc. Install new membrane and insulation, as well as finished SBS roof assembly. Installation of new wood bollards to prevent vehicle access onto the reservoir roof (other than mowers), and minor landscaping. Needed to prevent contamination of City's potable water.

Project 1072 - HLPS #3 South Reservoir Roof Repl (SBS) - Design only in 2024. Construction subject to approval during 2025 budget review. Replacement of existing roof structure with SBS roof assembly on south reservoir at HLPS #3. Removal of existing sport courts, fencing, trees, etc. Install new membrane and insulation, as well as finished SBS roof assembly. Installation of new wood bollards to prevent vehicle access onto the reservoir roof (other than mowers), and minor landscaping. Needed to prevent contamination of City's potable water.

Project 1078 - HLPS #3 Pump Station Re-roofing - Re-roofing of HLPS #3 pump station.

Project 1068 - Lake Station - Various Capital Upgrades - Various short term capital improvements to the Raw Water Lake Station, as identified in the 2022 Raw Water Pumping & Treatment Study final report (published by ISL Engineering & Land Services). Includes such items as updated record drawings, arc flash study, repair exposed insulation, etc.

Distribution - Water System

Project 1093 - Marler Drive Underground Replacements (Phase 1) - Parkview Dr. to Mt. Pleasant Dr. - Full replacement of all underground utilities (water, sanitary, storm), including services to individual properties. This area has seen a number of watermain or water service breaks. Additionally, past investigations have noted significant issues with the storm main (corrugated metal pipe, that has corroded). Replacement of underground in advance of surface improvements.

Project 1094 - Marler Drive Underground Replacements (Phase 2) - Mt. Pleasant Dr. to 68 Street - Full replacement of all underground utilities (water, sanitary, storm), including services to individual properties. This area has seen a number of watermain or water service breaks. Additionally, past investigations have noted significant issues with the storm main (corrugated metal pipe, that has corroded). Replacement of underground in advance of surface improvements.

Treatment-Water System

Project 1066 - WTP - Various Capital Upgrades - Various short term capital improvements to the Water Treatment Plant, as identified in the 2022 Raw Water Pumping & Treatment Study final report (published by ISL Engineering & Land Services).

Project 1067 - WTP - Media Filter Replacement - Refurbishment of all three media filters within the Water Treatment Plant, including: demolition / removal of existing filter floor and media; design, supply and installation of new filter floor and media; new backwash troughs; installation of new air scour system. Existing filters are original to facility (1988). Filters assessed in 2021, with many operational / structural issues noted (poor filter performance, underdrain system being at or close to end of life, ongoing maintenance requirements).

Capital Projects - Utilities Wastewater Systems

PROJECT COSTS	2023	2024
Capital - Wastewater Systems		
Treatment		
90 - Wastewater Treatment Plant Construction	11,927,561	5,415,069
Total: Treatment	11,927,561	5,415,069
Total: Wastewater - Capital	11,927,561	5,415,069

PROJECT FUNDING	2023	2024
Grants - AMWWP	-	1,109,616
Offsite Levies - Sanitary	-	939,178
Reserve - Wastewater Utility	11,927,561	3,366,275
Total Project Funding	11,927,561	5,415,069

PROJECT DESCRIPTIONS

Treatment

Project 90 - Wastewater Treatment Plant Construction - Under the City's current 10-year Wastewater Approval to Operate, as issued by the Province on August 1, 2012, the City is required to substantially upgrade its existing wastewater lagoons. Construction commenced in spring 2021, and will continue to end of 2024. Current project cost is anticipated to be ~\$51.2M.

Note: Project funding includes \$10.2M AMWWP grant funding. The project is also utilizing \$15.15M of sanitary offsite levies. As there is only ~\$850K in offsite levy deferred revenues collected to date, the City took out a debenture to front end the shortfall in offsite levies, to be repaid from future offsite levy deposits.

Capital Projects - Utilities Landfill

PROJECT COSTS	2023	2024
<u>Capital - Utilities - Landfill</u>		
Landfill - Capital		
1010 - Landfill Closure	30,000	4,950,000
1077 - Landfill - Transfer Station Construction	3,355,000	-
Total: Landfill	3,385,000	4,950,000

PROJECT FUNDING	2023	2024
Reserve - General Infrastructure	2,575,000	-
Reserve - Landfill	810,000	-
Accrued Liability - Closure / Post-Closure	-	4,950,000
Total Project Funding	3,385,000	4,950,000

PROJECT DESCRIPTIONS

Landfill

Project 1010 - Landfill Closure - Final contouring of former waste cells from start of landfill site (in early 1980s) to current cell, following commissioning of transfer station. Assumes placement of 600mm of clay (including purchase and transfer from City's clay stockpile), 250mm of subsoil and 200mm of topsoil for final cover. Construction planned for 2024, following completion of transfer station; design to commence in 2023. Funding for the closure project will be from the accrued closure/post-closure liability.

Project 1077 - Landfill - Transfer Station Construction - Design and construction of a new waste transfer station, located at the Camrose Regional Sanitary Landfill. Design commenced in 2022. 2023 scope to include detailed design, tendering and construction of a new transfer station, which will haul waste to a nearby landfill facility.

Capital Projects - Utilities Recycling & Waste Management

PROJECT COSTS	2023	2024
<u>Capital - Utilities - Recycling & Waste Management</u>		
Recycling - Capital		
645 - Recycling - Cardboard Baler Maintenance/Replacement	100,000	-
Total: Recycling	100,000	-
 Waste Management - Capital		
831 - Waste Management - Cart Purchase	60,000	-
Total: Waste Management	60,000	-
 Total: Recycling & Waste Management Capital	 160,000	 -

PROJECT FUNDING	2023	2024
Reserve - Recycling	100,000	-
Reserve - Waste Management	60,000	-
Total Project Funding	160,000	-

PROJECT DESCRIPTIONS

Recycling

Project 645 - Recycling - Cardboard Baler Maintenance/Replacement - In 2023, the budget will address short term structural repairs required for the cardboard baler at Centra Cam. Long term replacement of baler at Centra Cam has been included in the long term plan. This unit is heavily used in the processing of material that comes in. Over the past few years, the City has been spending increasingly more time and effort on maintenance of the existing unit. The existing unit will be at the end of its useful life and will need to be replaced. Some risk of throwaway costs, particularly if Provincial EPR (Extended Producer Responsibility) results in significant changes or shut down of facility. However, the failure of this unit would be detrimental to the operation of the recycle depot.

Project 831 - Waste Management - Cart Purchase - Restocking supply of new waste carts (no change of cart size is estimated in the 10 year capital plan). Current values shown are based on growth. Replacement of damaged carts generally handled under warranty, and not included in these numbers.