

Corporate Services Capital Project Sheets

Ref 401-470

PROJECT	401-Public Engagement Capacity Initiative					ID#	P01601	PSOFT #	190007			
STRATEGIC PLAN LINK:	Equity, Inclusion and a Sense of Belonging					TYPE:	Other					
THEME:	Studies				WARD:	City Wide						
<p>A well-informed and engaged community requires both opportunities for open-dialogue with local government and opportunities to influence the future of the city and its neighbourhoods. The City of Waterloo adopted updated Public Engagement Guidelines in 2018. These guidelines align with the International Association of Public Participation (IAP2) Spectrum for public engagement. The IAP2 Spectrum has been adopted globally by governments striving to improve their citizen engagement.</p> <p>Building on these new guidelines, the Public Engagement Capacity Initiative will enable the corporation to provide enhanced opportunities for meaningful and positive public engagement. This will include IAP2 training for relevant staff and using a variety of innovative approaches to public engagement in Waterloo. The focus will be on creating opportunities for residents to take a collaborative role in decision-making and / or to directly influence how funding is used to benefit the community. For example, the funding will support enhancement of public engagement and project implementation connected to the Neighbourhood Strategy and the Parks Strategy.</p>												
SERVICE DELIVERY DIVISION:					CORP-Communications			IMPLEMENTATION DIVISION:				CORP-Communications
REPORTING CRITERIA:		Non-Routine			All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
CRF (New)	50										50	
TOTAL	50										50	
INFLATED	51										51	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING												
ONE TIME												
TOTAL												



PROJECT	402-Website Refresh					ID#	P01614	PSOFT #	170133			
STRATEGIC PLAN LINK:	Equity, Inclusion and a Sense of Belonging					TYPE:	Rehabilitation					
THEME:	Technology Refresh / Upgrades				WARD:	City Wide						
<p>Serving over 5,000 people/day, Waterloo.ca is the busiest city communication channel and our most important public-facing digital asset. With the current refresh funding received in 2018 and technology ever evolving along with community expectations, significant funds will again be needed in 2022 to ensure the website remains at contemporary standards. Ideally, capital funds would be allocated annually to the website to ensure functionality remain as current as possible, particularly with more city services moving online and community expectations always increasing. Appreciating there are capital needs throughout the organization, significant capital funding every four years, along with likely a secondment assignment to deal with the complexity of introducing new features, will ensure our website remains vibrant and meaningful for the community.</p>												
SERVICE DELIVERY DIVISION:					CORP-Communications			IMPLEMENTATION DIVISION:				CORP-Communications
REPORTING CRITERIA:		Non-Routine			All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
CIRRF (Rehab/Repl)			88				88				175	
WAT-CAP			18				18				35	
BLD			4				4				9	
PKG			2				2				3	
CEM			3				3				6	
BUS			1				1				1	
RHR			2				2				4	
CRF (New)			88				88				175	
TOTAL			204				204				408	
INFLATED			222				234				457	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING												
ONE TIME												
TOTAL												



PROJECT	410-PeopleSoft HRMS Vision Implementation, Phase 3-4					ID#	P01583	PSOFT #	0			
STRATEGIC PLAN LINK:	Supporting the Strategic Plan Guiding Principles					TYPE:	Other					
THEME:	Productivity Enhancement					WARD:	City Wide					
<p>Funding for this project is required to implement the phase 3 and 4 of the 5 year PeopleSoft HRMS Roadmap / Vision that was developed with the assistance of an external consultant. The consultant sought input from users across the City. This project assessed current state vs. desired state in order to increase work force productivity and employee engagement within Payroll and HR as well as for operational departments, provide more streamlined and efficient business processes, improve data quality, provide better business intelligence to facilitate decision making and reduce the number of tasks that are done manually (and therefore are more likely to result in errors). Additionally, cycle time for HR / payroll transactions will be improved, quality and accuracy of data will increase and the interpretation of policies and labour rules will be standardized. This project includes enhancements in our HR system: HR Self Service functionality for Managers; such as HR Form automation, workflow approvals, employee training tracking and management, implementation of a fully integrated recruitment system, enabling of archiving, approval Workflow for core HR Transactions etc.</p>												
SERVICE DELIVERY DIVISION:					CORP-Finance			IMPLEMENTATION DIVISION:				CORP-Finance
REPORTING CRITERIA:		Non-Routine			All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
CRF (New)				299			188				487	
WAT-CAP				30			19				49	
BLD				7			5				12	
PKG				3			2				5	
CEM				5			3				8	
BUS				1			1				2	
RHR				4			2				6	
TOTAL				349			219				568	
INFLATED				377			252				629	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING								198			198	
ONE TIME												
TOTAL								198			198	



PROJECT	411-PeopleSoft HRMS Vision Implementation, Phase 5-6					ID#	P01584	PSOFT #	0			
STRATEGIC PLAN LINK:	Supporting the Strategic Plan Guiding Principles					TYPE:	Other					
THEME:	Productivity Enhancement					WARD:	City Wide					
<p>Funding for this project is required to implement the Phase 5 and 6 of the PeopleSoft HRMS Roadmap / Vision that was developed with the assistance of an external consultant. The consultant sought input from users across the City. This project assessed current state vs. desired state in order to increase work force productivity and employee engagement, provide more streamlined and efficient business processes, improve data quality, provide better business intelligence to facilitate decision making and reduce the number of tasks that are done manually (and therefore more likely to result in errors). Additionally, cycle time for HR / Payroll transactions will be improved, quality and accuracy of data will increase and the interpretation of policies and labour rules will be standardized. This project includes enhancements in our HR systems such as implementation of a fully integrated performance management system. Employee Data integration with Sun Life and analytical reporting capabilities. Additionally, it includes enhancements in payroll processes.</p>												
SERVICE DELIVERY DIVISION:					CORP-Finance			IMPLEMENTATION DIVISION:				CORP-Finance
REPORTING CRITERIA:		Non-Routine			All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
CRF (New)									175	328	503	
WAT-CAP									18	33	50	
BLD									4	8	12	
PKG									2	3	5	
CEM									3	5	8	
BUS									1	1	2	
RHR									2	4	6	
TOTAL									204	382	586	
INFLATED									244	466	710	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING									60		60	
ONE TIME												
TOTAL									60		60	



PROJECT	412-DC Bylaw Review					ID#	P01602	PSOFT #	150023			
STRATEGIC PLAN LINK:	Supporting the Strategic Plan Guiding Principles					TYPE:	Growth					
THEME:	Studies					WARD:	City Wide					
<p>The Development Charges By-law and Background Study have been updated in 2019. As the City hits the hard boundaries and greenfield development slows, infill and intensification is anticipated. The city will need to remain nimble to encourage growth and development in the infill areas.</p> <p>The DC Bylaw review will be planned for every 4 years to align with the 3 year city-wide budget cycle .</p> <p>Costs are for external consulting.</p>												
SERVICE DELIVERY DIVISION:					CORP-Finance		IMPLEMENTATION DIVISION:					CORP-Finance
REPORTING CRITERIA:		Routine			All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
DC			130				130				260	
TOTAL			130				130				260	
INFLATED			142				149				291	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING												
ONE TIME												
TOTAL												



PROJECT	413-Peoplesoft Financials & HRMS Upgrades and Enhancements					ID#	P01615	PSOFT #	110058			
STRATEGIC PLAN LINK:	Supporting the Strategic Plan Guiding Principles					TYPE:	Other					
THEME:	Technology Refresh / Upgrades					WARD:	City Wide					
<p>This project funds maintenance, technical and functional upgrades and enhancements to the PeopleSoft Financials and HRMS Systems. These systems are used to run our General Ledger, Accounts Payable, Inventory, Purchasing, Payroll and Human Resource functions and as a result are critical and required systems for the City. Regular functional and technical updates are released by the vendor and need to be applied in order to maintain support. Additionally, these updates provide access to new functionality over time such as mobile applications, self service functionality, automated approvals etc. The Maximo Work Order project is related to this. As Maximo upgrades, interfaces to both the Financial and Payroll system need to be maintained. The roll out to mobile time capturing in Maximo will impact the Payroll integration configuration. PeopleSoft is changing the timing and potential cost of system upgrades, the budget will be fine tuned as more information is available.</p>												
SERVICE DELIVERY DIVISION:					CORP-Finance		IMPLEMENTATION DIVISION:					CORP-Finance
REPORTING CRITERIA:		Routine			All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
CIRRF (Rehab/Repl)	92	47	92	47	184		47	47	92	92	743	
WAT-CAP	14	7	14	7	28		7	7	14	14	115	
BLD	4	2	3	2	7		2	2	4	4	28	
PKG	1	1	1	1	3		1	1	1	1	11	
CEM	2	1	2	1	5		1	1	2	2	19	
BUS	1		1	1	1			1	1	1	4	
RHR	2	1	2	1	3		1	1	2	2	13	
CRF (New)	50	26	50	26	99		26	26	50	50	400	
TOTAL	166	85	166	85	330		85	85	166	166	1,332	
INFLATED	170	90	181	92	365		97	100	198	202	1,494	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING												
ONE TIME												
TOTAL												



PROJECT	420-Fleet Equipment Expansion						ID#	P01571	PSOFT #	110090						
STRATEGIC PLAN LINK:	Infrastructure Renewal				TYPE:	Growth										
THEME:	Fleet Management				WARD:	City Wide										
<p>The Director of Fleet & Procurement, works with the operational areas (City Utilities, Transportation, Parks, Facilities, Recreation Services and Municipal Enforcement) to develop a prioritized list of vehicle and equipment expansion needs attributable to city growth due to development; as such the funding is derived from contributions from Development Charges (DC).</p> <p>The need for additional vehicles and equipment due to other operational and service level changes, that are not eligible for DC Funding, are outlined on a separate project sheet and will be funded from the Equipment Reserve (ER).</p>																
SERVICE DELIVERY DIVISION:				CORP-Fleet & Proc.				IMPLEMENTATION DIVISION:					CORP-Fleet & Proc.			
REPORTING CRITERIA:		Routine			All figures in \$'000s											
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL					
DC	578	685	338	386	386	386	386	386	386	387	4,302					
ER	21	25	12	14	14	14	14	14	14	14	158					
TOTAL	599	710	350	400	400	400	400	400	400	402	4,461					
INFLATED	617	752	382	433	442	450	459	469	478	489	4,971					
All figures in \$'000s																
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL					
ONGOING	50	50	50	50	50	50	50	50	50	50	500					
ONE TIME																
TOTAL	50	50	50	50	50	50	50	50	50	50	500					



PROJECT	421-Fleet Equipment Replacement						ID#	P01572	PSOFT #	110090						
STRATEGIC PLAN LINK:	Infrastructure Renewal				TYPE:	Rehabilitation										
THEME:	Fleet Management				WARD:	City Wide										
<p>This project sheet is to fund the purchase of Fleet and Equipment. The Fleet and Procurement team reviews all fleet and equipment to prioritize replacement and expansion requirements.</p> <p>The annual budget is based on the projected funding available in the Equipment Reserve (ER) and CIRRF, striking a balance between maintaining an efficient and effectively sized Fleet, while satisfying the needs and challenges that exist in the operational areas to ensure service levels are met. Changes in technology, can also create the need for new pieces of equipment.</p>																
SERVICE DELIVERY DIVISION:				CORP-Fleet & Proc.				IMPLEMENTATION DIVISION:					CORP-Fleet & Proc.			
REPORTING CRITERIA:		Non-Routine			All figures in \$'000s											
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL					
ER	2,987	2,524	2,452	2,541	2,627	2,775	2,895	3,051	2,991	3,011	27,864					
CIRRF (Rehab/Repl)	97	50	216	2,521	895	40		30		1,126	4,974					
TOTAL	3,085	2,574	2,668	5,061	3,521	2,815	2,895	3,081	2,991	4,136	32,828					
INFLATED	3,175	2,728	2,910	5,478	3,888	3,170	3,325	3,610	3,575	5,042	36,902					
All figures in \$'000s																
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL					
ONGOING																
ONE TIME																
TOTAL																



PROJECT	430-Compensation and Pay Equity					ID#	P01585	PSOFT #	150151					
STRATEGIC PLAN LINK:	Supporting the Strategic Plan Guiding Principles					TYPE:	Other							
THEME:	Productivity Enhancement					WARD:	City Wide							
<p>There is an ongoing need to keep our Compensation programs for all of our employee groups up to date and legislatively compliant. This funding is needed for various projects that relate to our compensation programs that we will need to complete periodically. Some examples of key initiatives:</p> <ul style="list-style-type: none"> -Job evaluation of all employee groups -Council remuneration -Pay equity -Internal equity -Market salary survey -Salary structure maintenance 														
SERVICE DELIVERY DIVISION:					CORP-Human Resources			IMPLEMENTATION DIVISION:					CORP-Human Resources	
REPORTING CRITERIA:		Routine			All figures in \$'000s									
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
CRF (New)		56			56			56			168			
WAT-CAP		6			6			6			17			
BLD		1			1			1			4			
PKG		1			1			1			2			
CEM		1			1			1			3			
BUS					1						1			
RHR		1			1			1			2			
TOTAL		65			66			65			196			
INFLATED		69			72			76			217			
All figures in \$'000s														
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
ONGOING														
ONE TIME														
TOTAL														



PROJECT	431-Employee Engagement Survey					ID#	P01586	PSOFT #	160022					
STRATEGIC PLAN LINK:	Supporting the Strategic Plan Guiding Principles					TYPE:	Other							
THEME:	Productivity Enhancement					WARD:	City Wide							
<p>The employee engagement survey is done on a regular cycle to gauge organizational performance and health on key benchmark indicators. This represents the management practice of the 50 Best Companies in Canada as well as demonstrating corporate commitment and respect to our staff by requesting and acting upon employee feedback. Survey results allow employees to celebrate areas of success as well as to aspire to higher levels of organizational performance and employee wellness. The analysis and compilation of employee feedback is used to identify areas for improvement including new programs and policies and improved practices. The City's ranking on key performance measures allows us to identify and address shortfalls in these indicators in better managing turnover and absenteeism, employee engagement, satisfaction, wellness, attraction and retention.</p>														
SERVICE DELIVERY DIVISION:					CORP-Human Resources			IMPLEMENTATION DIVISION:					CORP-Human Resources	
REPORTING CRITERIA:		Routine			All figures in \$'000s									
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
CRF (New)		28			28			28			84			
WAT-CAP		3			3			3			8			
BLD		1			1			1			2			
PKG					1						1			
CEM		1			1			1			2			
RHR								1			1			
TOTAL		32			33			33			98			
INFLATED		34			36			39			109			
All figures in \$'000s														
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
ONGOING														
ONE TIME														
TOTAL														



PROJECT	432-Health and Safety Audit					ID#	P01603	PSOFT #	150024		
STRATEGIC PLAN LINK:	Supporting the Strategic Plan Guiding Principles					TYPE:	Other				
THEME:	Studies					WARD:	City Wide				
<p>In continuing to enhance and improve our Corporate Health and Safety Management System it is best practice to undertake periodic health and safety audits. The objective of the City's comprehensive Health and Safety System is to ensure that our programs continue to provide a safe work environment for staff in many diverse and potentially hazardous operational areas. The objective, third party audit ensures that the City meets acceptable standards by assessing risk, integrating appropriate controls and understanding acceptable risk for circumstances where it is not possible to entirely eliminate the risk. The Public Services Health and Safety Association audit report incorporates best practices in safety management and stresses documentation of the safety management system to ensure consistency in our practices and to facilitate the training of staff and management. This assessment provides a benchmark of the City's present health and safety programs indicating areas of strength and opportunities for improvement with specific recommendations that inform ongoing program development and new health and safety initiatives.</p>											
SERVICE DELIVERY DIVISION:			CORP-Human Resources			IMPLEMENTATION DIVISION:			CORP-Human Resources		
REPORTING CRITERIA:		Routine		All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
CRF (New)			17						17		34
WAT-CAP			2						1		3
BLD			1								1
PKG											
CEM			1								1
RHR											
TOTAL			20						19		40
INFLATED			22						23		45
All figures in \$'000s											
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
ONGOING											
ONE TIME											
TOTAL											



PROJECT	433-Employee Traffic Demand Management Initiatives					ID#	P01621	PSOFT #	0		
STRATEGIC PLAN LINK:	Supporting the Strategic Plan Guiding Principles					TYPE:	Other				
THEME:	Traffic Management					WARD:	Ward 7 - Uptown				
<p>In accordance with the Employee Paid Parking Policy (H-001), this project will provide annual funding over 2020-2024 that supports alternative transportation options for employees. These measures might include but are not limited to: traffic demand management initiatives, public transit passes or subsidies, car pool incentives and or active living credits. This project will be funded by the Parking Reserve - City Employee TDM Program #49018 which is funded by employee paid parking revenues.</p>											
SERVICE DELIVERY DIVISION:			CORP-Human Resources			IMPLEMENTATION DIVISION:			CORP-Human Resources		
REPORTING CRITERIA:		Routine		All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
PKG	34	33	32	32	32						163
TOTAL	34	33	32	32	32						163
INFLATED	35	35	35	35	35						175
All figures in \$'000s											
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
ONGOING											
ONE TIME											
TOTAL											



PROJECT	440-Corporate Relational Database Management System (RDBMS)					ID#	P01553	PSOFT #	0		
STRATEGIC PLAN LINK:	Infrastructure Renewal					TYPE:	Rehabilitation				
THEME:	Equipment Replacement					WARD:	City Wide				
<p>This project provides for the replacing (refreshing) of the database servers and storage on a five year cycle.</p> <p>This project also provides for future licensing costs associated with the corporate relational database management system (RDBMS) and is based on an increase in the number of users.</p> <p>As a key component for all corporate applications, failures to the database result in downtime for almost all city staff, who are reliant on accessing and changing data from the database as a major part of their day to day responsibilities.</p> <p>The current primary RDBMS is in Oracle. If a different provider is required to address organizational growth and change the decision to move to a different provider will require significant funding and is not reflected in this project sheet as the result of department budget prioritization.</p>											
SERVICE DELIVERY DIVISION:			CORP-Information Mgmt & Tech.			IMPLEMENTATION DIVISION:			CORP-Information Mgmt & Tech.		
REPORTING CRITERIA:		Routine		All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
CIRRF (Rehab/Repl)						257			57	338	652
WAT-CAP						26			6	34	65
BLD						6			1	8	16
PKG						2			1	3	6
CEM						4			1	6	11
BUS						1				1	2
RHR						3			1	4	8
TOTAL						300			66	394	760
INFLATED						337			79	481	897
All figures in \$'000s											
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
ONGOING											
ONE TIME											
TOTAL											



PROJECT	441-Cyber Security					ID#	P01554	PSOFT #	190025		
STRATEGIC PLAN LINK:	Infrastructure Renewal					TYPE:	Rehabilitation				
THEME:	Equipment Replacement					WARD:	City Wide				
<p>The Information Security Policy was approved by Council in 2016 providing an industry approved framework for the defense of corporate data assets. The ISO adopted standards provide for a structured continuous improvement approach. 2020 forward includes the renewal of and upgrades to existing security monitoring tools. A review and rewrite of the Security Awareness Training is planned for retesting for all employees. As well testing will include internal and external penetration testing, email phishing, and risks assessment.</p>											
SERVICE DELIVERY DIVISION:			CORP-Information Mgmt & Tech.			IMPLEMENTATION DIVISION:			CORP-Information Mgmt & Tech.		
REPORTING CRITERIA:		Routine		All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
CIRRF (Rehab/Repl)	52	52	52	56	56	56	56	60	60	60	560
WAT-CAP	13	13	13	14	14	14	14	15	15	15	140
BLD	3	3	3	4	3	3	4	4	4	4	34
PKG	1	1	1	1	1	1	1	1	1	1	13
CEM	2	2	2	2	2	2	2	2	3	2	23
BUS	1	1	1	1	1	1	1	1	1	1	5
RHR	2	2	2	2	2	2	2	2	2	2	16
CRF (New)	78	78	78	84	84	84	84	90	90	90	840
TOTAL	152	151	152	163	163	164	163	175	175	175	1,632
INFLATED	156	160	166	177	180	184	188	205	209	213	1,837
All figures in \$'000s											
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
ONGOING											
ONE TIME											
TOTAL											



PROJECT	442-Data Backup Device Upgrades						ID#	P01555	PSOFT #	150029				
STRATEGIC PLAN LINK:	Infrastructure Renewal						TYPE:	Rehabilitation						
THEME:	Equipment Replacement						WARD:	City Wide						
<p>Information Management and Technology Services is responsible for the backup of all corporate data processed each day. This project plans for the continued upgrade and replacement of the hardware and software required for the backup on a five year cycle. As the corporation continues to grow, the volume of data continues to increase, and the time to complete the backup of the data increases. Cancelling the backup automatically occurs when the backup is still running at the start of the next business day, resulting in an incomplete backup. Currently the storage devices for the backup have reached their limit.</p> <p>As the result of 2020 departmental budget prioritizations there remains no backup of the OpenText system (beyond the database). This may be addressed in 2024 if funding is approved.</p>														
SERVICE DELIVERY DIVISION:						CORP-Information Mgmt & Tech.			IMPLEMENTATION DIVISION:			CORP-Information Mgmt & Tech.		
REPORTING CRITERIA:		Routine			All figures in \$'000s									
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
CIRRF (Rehab/Repl)	6	94	43	60	137			69			409			
WAT-CAP	1	10	4	6	14			7			41			
BLD		3	1	2	3			2			10			
PKG		1		1	1			1			4			
CEM		2	1	1	2			1			7			
BUS			1		1			1			1			
RHR		1	1	1	2			1			5			
TOTAL	7	110	50	70	160			80			477			
INFLATED	7	117	55	76	177			94			524			
All figures in \$'000s														
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
ONGOING														
ONE TIME														
TOTAL														



PROJECT	443-Data Centres Air Conditioning						ID#	P01367	PSOFT #	150026				
STRATEGIC PLAN LINK:	Infrastructure Renewal						TYPE:	Rehabilitation						
THEME:	Equipment Replacement						WARD:	City Wide						
<p>The City of Waterloo has two data centres. The Primary Data Centre is located at Waterloo Service Centre and the second is the Disaster Recovery Data Centre. Servers work most efficiently when they are at the right temperature. The high performance machines are subject to overheating. Keeping the temperature in the rooms stable and cool alleviates potential server crashes and loss of data, while allowing the equipment to perform at optimal speeds.</p> <p>A critical component at each of the data centres is the air conditioner. The optimal life of an air conditioner is 10 years.</p> <p>This project provides for the replacement of the air conditioner at the disaster recovery centre in 2020. As the result of 2019 department budget prioritization the long term plan for replacement at the primary data centre has been cancelled. As well, the replacement parts that are required annually as per the maintenance agreement will need to be funded from operating, resulting in additional operating budget pressure.</p>														
SERVICE DELIVERY DIVISION:						CORP-Information Mgmt & Tech.			IMPLEMENTATION DIVISION:			CORP-Information Mgmt & Tech.		
REPORTING CRITERIA:		Routine			All figures in \$'000s									
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
CIRRF (Rehab/Repl)	103										103			
WAT-CAP	10										10			
BLD	3										3			
PKG	1										1			
CEM	2										2			
RHR	1										1			
BUS														
TOTAL	120										120			
INFLATED	123										123			
All figures in \$'000s														
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
ONGOING														
ONE TIME														
TOTAL														



PROJECT	444-Desktop and Laptop Refresh				ID#	P01369	PSOFT #	180013									
STRATEGIC PLAN LINK:	Infrastructure Renewal				TYPE:	Rehabilitation											
THEME:	Equipment Replacement				WARD:	City Wide											
<p>The replacing (refreshing) of desktops, laptops and monitors for the corporation has traditionally resulted in significant cost and technology challenges. Within months of previous refreshes, technology is no longer supported as new versions of software and hardware become mandatory. The industry has responded to the growing demands of clients for more cost-effective solutions through the shift to virtualization. The virtualization project was conceptualized in 2016 with primary site server integration in 2016/17. A number of end user terminals are in the testing phase. Approximately 240 desktops, 185 laptops and 100 terminals require refreshing over the next three years. Deployment began in 2018. Monitors continue to be replaced as units fail.</p>																	
SERVICE DELIVERY DIVISION:				CORP-Information Mgmt & Tech.				IMPLEMENTATION DIVISION:				CORP-Information Mgmt & Tech.					
REPORTING CRITERIA:		Routine				All figures in \$'000s											
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL						
CIRRF (Rehab/Repl)	602			53		425	50	56	62	72	50		1,370				
WAT-CAP	60			5		43	5	6	6	7	5		137				
BLD	15			1		10	1	1	2	2	1		34				
PKG	6			1		4	1	1	1	1	1		13				
CEM	10			1		7	1	1	1	1	1		22				
BUS	2					2			1				4				
RHR	7			1		5	1	1	1	1	1		16				
TOTAL	702			61		496	58	66	73	84	58		1,596				
INFLATED	722			67		547	65	75	85	100	71		1,732				
All figures in \$'000s																	
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL						
ONGOING																	
ONE TIME																	
TOTAL																	



PROJECT	445-Geographical Information Systems (GIS)				ID#	P01366	PSOFT #	110031									
STRATEGIC PLAN LINK:	Infrastructure Renewal				TYPE:	Rehabilitation											
THEME:	Equipment Replacement				WARD:	City Wide											
<p>Geographic Information Systems technologies and tools (mapping assets and databases) are used by staff in the provision of city services. As GIS technology evolves, so does the number of staff requiring access to provide accurate, efficient service to their customers. This project allows for the funding of improved services, hardware and software in supporting the corporate need. This project provides funding for G.I.S. initiatives including public and story mapping, open data portal, ortho-imagery, performance indicator reporting dashboards, and costs associated with Waterloo's fair share of regional partnerships.</p>																	
SERVICE DELIVERY DIVISION:				CORP-Information Mgmt & Tech.				IMPLEMENTATION DIVISION:				CORP-Information Mgmt & Tech.					
REPORTING CRITERIA:		Routine				All figures in \$'000s											
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL						
CIRRF (Rehab/Repl)	9	9	9	9	9	9	9	9	9	9	9		90				
WAT-CAP	1	2	1		3		3	2			2		15				
BLD		1		1	1		1	1					3				
PKG			1				1						1				
CEM		1			1		1			1			2				
BUS								1					1				
RHR			1			1				1			2				
CRF (New)	9	9	9		10		10	10					57				
TOTAL	19	22	21	10	23	10	24	22	10	11	170		170				
INFLATED	20	23	22	10	26	11	27	25	12	14	190		190				
All figures in \$'000s																	
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL						
ONGOING																	
ONE TIME																	
TOTAL																	



PROJECT	446-IMTS Infrastructure Replacement and Rehabilitation Needs										ID#	P01556	PSOFT #	0
STRATEGIC PLAN LINK:	Infrastructure Renewal										TYPE:	Rehabilitation		
THEME:	Equipment Replacement										WARD:	City Wide		
<p>Based on CORP2019-075 Long Term Financial Plan Update, the average annual funding gap for Tax Base assets is estimated to be approx. \$17M. Council previously directed staff via CORP2018-011 to consider increased infrastructure funding opportunities as part of the 2020-2022 budget. For 2020, a .8% increase in infrastructure funding (allocated to CIRRF) is being recommended with 0.3% funded from a tax increase above inflation and 0.5% funded through a portion of Waterloo North Hydro Dividend revenue being directed to CIRRF. For 2021 a .9% increase and 2022 a 1.5% increase in infrastructure funding (allocated to CIRRF) is being recommended funded from a tax increase above inflation. The increased infrastructure funding is being allocated to the major Asset Classes based on a weighted percentage need. This IMTS Infrastructure Replacement and Rehabilitation Needs project will be used to fund IMTS Asset priorities that couldn't be accommodated within the currently available funding including but not limited to Equipment Replacement and Technology Refresh / Upgrades. The increased infrastructure funding projects are classified as Non-Routine in nature and the subject matter experts will return at a later date with a prioritized list of candidate projects to be advanced via this funding.</p>														
SERVICE DELIVERY DIVISION:				CORP-Information Mgmt & Tech.				IMPLEMENTATION DIVISION:				CORP-Information Mgmt & Tech.		
REPORTING CRITERIA:		Non-Routine				All figures in \$'000s								
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
CIRRF (Rehab/Repl)	35	15	261	263	258	253	248	243	238	234	2,047			
TOTAL	35	15	261	263	258	253	248	243	238	234	2,047			
INFLATED	36	16	285	285	285	285	285	285	285	285	2,330			
All figures in \$'000s														
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
ONGOING														
ONE TIME														
TOTAL														



PROJECT	447-Infrastructure Virtualization										ID#	P01370	PSOFT #	150031
STRATEGIC PLAN LINK:	Infrastructure Renewal										TYPE:	Rehabilitation		
THEME:	Equipment Replacement										WARD:	City Wide		
<p>Virtualization, through the use of specially designed software, allows network administration staff to convert one physical server into multiple virtual machines. Each of the virtual machines acts like a unique physical device capable of running its own operating system. The technology industry touts virtualization as the single most effective way to reduce IT expenses while boosting efficiency and agility. This is in response to the growing demand for decreasing costs by consumers worldwide. The concept, methodology, and technologies are proven with design and implementation at many global companies and banks. The City of Waterloo continues the transition to virtualization. This project represents the backend of the virtualization project: server hardware, software and licensing. In 2020 the older server must be replaced having reached the end of support and end of life. The Primary Data Centre server will be replaced in 2020 and the Disaster Recovery Data Centre server will be replaced in 2021. The servers are set on a five year replacement cycle as per industry standard.</p>														
SERVICE DELIVERY DIVISION:				CORP-Information Mgmt & Tech.				IMPLEMENTATION DIVISION:				CORP-Information Mgmt & Tech.		
REPORTING CRITERIA:		Routine				All figures in \$'000s								
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
CIRRF (Rehab/Repl)	67		112								178			
WAT-CAP	17		28								45			
BLD	4		7								11			
PKG	2		3								4			
CEM	3		5								7			
BUS	1		1								2			
RHR	2		3								5			
CRF (New)	100		167								268			
TOTAL	195		325								520			
INFLATED	200		355								555			
All figures in \$'000s														
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
ONGOING	82										82			
ONE TIME														
TOTAL	82										82			



PROJECT	448-Network and Core Infrastructure					ID#	P01371	PSOFT #	190026			
STRATEGIC PLAN LINK:	Infrastructure Renewal					TYPE:	Rehabilitation					
THEME:	Equipment Replacement					WARD:	City Wide					
<p>This project provides for a three year work plan on a seven year cycle for the replacement and provisioning of key network and core infrastructure.</p> <p>The next equipment replacement cycle is underway and in addition to replacing the core devices and infrastructure will provision for 10G Local Area Network (LAN) connectivity.</p>												
SERVICE DELIVERY DIVISION:					CORP-Information Mgmt & Tech.			IMPLEMENTATION DIVISION:				CORP-Information Mgmt & Tech.
REPORTING CRITERIA:		Routine			All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
CIRRF (Rehab/Repl)		69	69			69	69	69			345	
WAT-CAP		7	7			7	7	7			35	
BLD		2	2			2	2	2			8	
PKG		1	1			1	1	1			3	
CEM		1	1			1	1	1			6	
BUS			1				1				1	
RHR		1	1			1	1	1			4	
TOTAL		80	81			80	81	80			402	
INFLATED		85	88			90	93	94			450	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING												
ONE TIME												
TOTAL												



PROJECT	449-Print and Mail Services Automation					ID#	P01372	PSOFT #	120035			
STRATEGIC PLAN LINK:	Infrastructure Renewal					TYPE:	Rehabilitation					
THEME:	Equipment Replacement					WARD:	City Wide					
<p>Print and mail services are essential to the day to day operations of the corporation. This project ensures that capital costs for replacement parts and equipment including the postage machine, the folder / stuffer, the plotter, the production quality printers, the fax machine, the laminator, the binding equipment, etc. can be serviced and replaced as required.</p> <p>The long term planning for new equipment based on changing business requirements and technological evolution have been removed from this project further to 2019 departmental budget prioritization.</p>												
SERVICE DELIVERY DIVISION:					CORP-Information Mgmt & Tech.			IMPLEMENTATION DIVISION:				CORP-Information Mgmt & Tech.
REPORTING CRITERIA:		Routine			All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
CIRRF (Rehab/Repl)	20		20		20		20		20		102	
WAT-CAP	2		3		2		3		2		10	
BLD	1		1		1		1		1		3	
PKG					1						1	
CEM			1				1				1	
RHR			1				1				1	
TOTAL	23		25		23		25		23		118	
INFLATED	23		27		26		29		27		131	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING												
ONE TIME												
TOTAL												



PROJECT	450-Server and Server Hardware Replacement & Upgrades					ID#	P01373	PSOFT #	120031			
STRATEGIC PLAN LINK:	Infrastructure Renewal					TYPE:	Rehabilitation					
THEME:	Equipment Replacement					WARD:	City Wide					
<p>This project allows for the replacement and upgrades of corporate enterprise servers as they reach end of life and end of service. Additional disk storage and faster processing capabilities are regularly required to support growing departmental requirements in the services they provide to constituents.</p> <p>In 2020, a server hardware upgrade of additional shelves is required for the storage area network (SAN) . Additional disk space is needed as the OpenText project has more than doubled the corporate storage requirements. In 2020 the OpenText servers will need to be replaced as they reach end of support. The servers will be replaced in conformance with new requirements associated with the new version of OpenText being implemented in 2019/2020.</p>												
SERVICE DELIVERY DIVISION:					CORP-Information Mgmt & Tech.			IMPLEMENTATION DIVISION:				CORP-Information Mgmt & Tech.
REPORTING CRITERIA:		Routine			All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
CIRRF (Rehab/Repl)	277	26	60	86		86		86		86	707	
WAT-CAP		3	6	9		9		9		9	43	
BLD		1	2	2		2		2		2	11	
PKG		1	1	1		1		1		1	4	
CEM			1	1		1		1		1	7	
BUS				1				1		1	1	
RHR			1	1		1				1	5	
TOTAL	277	29	71	101		100		101		100	778	
INFLATED	285	31	77	109		113		118		122	854	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING												
ONE TIME												
TOTAL												



PROJECT	451-Unified Communications including Telephony and Email					ID#	P01375	PSOFT #	170107			
STRATEGIC PLAN LINK:	Infrastructure Renewal					TYPE:	Rehabilitation					
THEME:	Equipment Replacement					WARD:	City Wide					
<p>The centralized voice over internet protocol (VoIP) telephone system and unified communications project was approved in 2006 replacing fifteen obsolete phone systems across the organization. The final transitions were completed in 2016. This project allows for the costs of equipment replacement as it reaches end of support and end of life.</p> <p>This project will involve upgrading the email and web filters in 2020.</p> <p>Upgrades to the hardware and software are required ensuring communication systems remain current as technology continues to evolve.</p>												
SERVICE DELIVERY DIVISION:					CORP-Information Mgmt & Tech.			IMPLEMENTATION DIVISION:				CORP-Information Mgmt & Tech.
REPORTING CRITERIA:		Routine			All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
CIRRF (Rehab/Repl)	49		73	56				73	56		307	
WAT-CAP	5		7	6				7	6		31	
BLD	1		2	1				2	1		8	
PKG	1		1	1				1	1		3	
CEM	1		1	1				1	1		5	
BUS				1					1		1	
RHR	1		1	1				1	1		4	
TOTAL	57		85	66				85	66		357	
INFLATED	58		92	71				99	79		399	
All figures in \$'000s												
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL	
ONGOING												
ONE TIME												
TOTAL												



PROJECT	452-Unplanned Emergency Replacement										ID#	P01557	PSOFT #	110142
STRATEGIC PLAN LINK:	Infrastructure Renewal										TYPE:	Rehabilitation		
THEME:	Equipment Replacement										WARD:	City Wide		
This project allows for the emergency replacement / repair of equipment or infrastructure hardware and / or software and any related components in a systems critical event.														
SERVICE DELIVERY DIVISION: CORP-Information Mgmt & Tech. IMPLEMENTATION DIVISION: CORP-Information Mgmt & Tech.														
REPORTING CRITERIA: Routine All figures in \$'000s														
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
CIRRF (Rehab/Repl)	60	60	60	75	75	75	75	75	75	75	75	705		
WAT-CAP	6	6	6	8	8	8	8	8	8	8	8	71		
BLD	2	1	2	2	2	2	2	2	2	2	2	17		
PKG	1	1	1	1	1	1	1	1	1	1	1	7		
CEM	1	1	1	1	1	1	1	1	1	1	1	12		
BUS			1		1		1		1		1	2		
RHR	1	1	1	1	1	1	1	1	1	1	1	8		
TOTAL	70	70	70	87	88	87	88	87	88	87	87	822		
INFLATED	72	74	77	94	97	98	101	102	105	106		926		
All figures in \$'000s														
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
ONGOING														
ONE TIME														
TOTAL														



PROJECT	453-WREPnet Equipment Replacement										ID#	P01376	PSOFT #	110035
STRATEGIC PLAN LINK:	Infrastructure Renewal										TYPE:	Rehabilitation		
THEME:	Equipment Replacement										WARD:	City Wide		
The City of Waterloo with the cities of Kitchener and Cambridge, the Regional Municipality of Waterloo, the local school boards, the Cambridge and Waterloo library boards and Conestoga College entered into a joint venture for the implementation and operation of an affordable, dedicated, high speed fibre optic network to educational and public sector partners. The resulting Waterloo Region Education and Public Network (WREPNET) is widely utilized, growing from an original 227 sites to more than 320 sites in the past 15 years and twelve partners. This project reflects the committed costs associated with the City's involvement as a partner in the replacement of the edge networking equipment (which provides connectivity to WREPNET and to the City's privately owned fibre infrastructure and wireless networks). This project also includes the upgrading of common network equipment required to sustain WREPNET, the costs of which are shared on a formulas basis.														
SERVICE DELIVERY DIVISION: CORP-Information Mgmt & Tech. IMPLEMENTATION DIVISION: CORP-Information Mgmt & Tech.														
REPORTING CRITERIA: Routine All figures in \$'000s														
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
CIRRF (Rehab/Repl)	17	17	17	17	17	17	17	17	17	17	170			
WAT-CAP	1	2	1	2	1	2	1	2	1	2	17			
BLD		1		1		1		1		1	4			
PKG			1			1				1	2			
CEM		1		1		1		1		1	3			
BUS								1			1			
RHR			1			1			1		2			
TOTAL	18	20	19	20	18	22	18	21	19	21	198			
INFLATED	19	22	21	22	20	24	21	24	23	26	222			
All figures in \$'000s														
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
ONGOING														
ONE TIME														
TOTAL														



PROJECT	454-Technology Disaster Recovery / Business Continuity Plan					ID#	P01374	PSOFT #	120036					
STRATEGIC PLAN LINK:	Infrastructure Renewal					TYPE:	Rehabilitation							
THEME:	Equipment Replacement					WARD:	City Wide							
<p>This project provides for a structured approach for responding to unplanned incidents that threaten the corporate IT infrastructure, including hardware, software, networks, processes, applications, services and people. Critical systems, prioritization of recovery time objectives, and the delineation of the steps required to restart, reconfigure and recover from any loss are included.</p> <p>The disaster recovery component mitigates downtime for users of virtual desktops in the event of primary site failure. There are a number of smaller hardware upgrades required.</p>														
SERVICE DELIVERY DIVISION:					CORP-Information Mgmt & Tech.			IMPLEMENTATION DIVISION:					CORP-Information Mgmt & Tech.	
REPORTING CRITERIA:		Routine			All figures in \$'000s									
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
CIRRF (Rehab/Repl)	97		92		91		87				366			
WAT-CAP	10		9		9		9				37			
BLD	2		2		2		2				9			
PKG	1		1		1		1				3			
CEM	2		2		2		1				6			
BUS			1				1				1			
RHR	1		1		1		1				4			
TOTAL	113		107		105		102				427			
INFLATED	116		117		116		117				466			
All figures in \$'000s														
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
ONGOING														
ONE TIME														
TOTAL														



PROJECT	455-Fibre Network Infrastructure					ID#	P01377	PSOFT #	110030					
STRATEGIC PLAN LINK:	Infrastructure Renewal					TYPE:	Rehabilitation							
THEME:	Infrastructure Management					WARD:	City Wide							
<p>This project provides for upgrades, replacements and enhancements to the existing City of Waterloo owned fibre optic network infrastructure and the upgrading / replacement of equipment used to support the network. Work projects are aligned to coincide with road and / or sidewalk construction or reconstruction resulting in increased efficiencies and costs.</p> <p>This project will also allow for refurbishment with fibre inside locations that require replacement.</p>														
SERVICE DELIVERY DIVISION:					CORP-Information Mgmt & Tech.			IMPLEMENTATION DIVISION:					CORP-Information Mgmt & Tech.	
REPORTING CRITERIA:		Routine			All figures in \$'000s									
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
WAT-CAP	10										10			
BLD	2										2			
PKG	1										1			
CEM	2										2			
BUS														
RHR	1										1			
CRF (New)	100										100			
TOTAL	116										116			
INFLATED	120										120			
All figures in \$'000s														
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL			
ONGOING	31										31			
ONE TIME														
TOTAL	31										31			



PROJECT	456-Council Chambers and City Hall Technology					ID#	P01450	PSOFT #	180014		
STRATEGIC PLAN LINK:	Infrastructure Renewal					TYPE:	Rehabilitation				
THEME:	Technology Refresh / Upgrades					WARD:	City Wide				
<p>The public meeting rooms at Waterloo City Hall (including the Council Chambers) are equipped with audio, visual and technology equipment to meet the legislated requirements of the diverse community and the business requirements of staff and Council. This project provides for the replacement of existing equipment and the underlying technology as it reaches end of life and end of support or as user requirements change. It is noted that major retrofits and new technologies for the Chambers and Erb Room are not included in this project.</p> <p>A video system upgrade is planned for 2024.</p>											
SERVICE DELIVERY DIVISION:			CORP-Information Mgmt & Tech.			IMPLEMENTATION DIVISION:			CORP-Information Mgmt & Tech.		
REPORTING CRITERIA:		Routine		All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
CIRRF (Rehab/Repl)			51	17	103	17	17	17	17	17	256
WAT-CAP			5	1	11	1	2	1	2	1	26
BLD			1	1	3		1		1	1	6
PKG			1		1			1			2
CEM			1		2		1		1		4
BUS					1						1
RHR			1		1			1			3
TOTAL			59	19	121	18	20	20	21	19	297
INFLATED			65	20	134	21	23	23	25	23	334
All figures in \$'000s											
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
ONGOING											
ONE TIME											
TOTAL											



PROJECT	457-End User Computing Requirements					ID#	P01378	PSOFT #	110027		
STRATEGIC PLAN LINK:	Infrastructure Renewal					TYPE:	Other				
THEME:	Technology Refresh / Upgrades					WARD:	City Wide				
<p>This project provides the organization with the appropriate types of desktop tools required by departments for the purposes of carrying out daily business activities. Through the use of technology staff are more efficient and productive in the delivery of products and services. This project funds the replacement of desktop computers, laptops, monitors, printers and scanners outside of the corporate refresh. It provides for the acquisition and upgrading of various types of desktop software used by staff and the upgrading of supporting network components including network file servers, firewall and operating system standardization.</p>											
SERVICE DELIVERY DIVISION:			CORP-Information Mgmt & Tech.			IMPLEMENTATION DIVISION:			CORP-Information Mgmt & Tech.		
REPORTING CRITERIA:		Routine		All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
CRF (New)	26	26	26	25	25	25	25	25	25	25	253
WAT-CAP	5	5	5	5	5	5	5	5	5	5	51
BLD	1	1	1	1	1	1	1	1	1	1	12
PKG	1	1	1	1	1	1	1	1	1	1	4
CEM	1	1	1	1	1	1	1	1	1	1	8
BUS			1		1		1		1		2
RHR	1	1	1	1	1	1	1	1	1	1	6
CIRRF (Rehab/Repl)	26	26	26	25	25	25	25	25	25	25	253
TOTAL	60	60	61	58	59	59	58	59	59	58	589
INFLATED	62	64	66	62	65	66	66	69	70	70	661
All figures in \$'000s											
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
ONGOING											
ONE TIME											
TOTAL											



PROJECT	458-Enterprise Application Backend Support										ID#	P01379	PSOFT #	0			
STRATEGIC PLAN LINK:	Infrastructure Renewal										TYPE:	Other					
THEME:	Technology Refresh / Upgrades										WARD:	City Wide					
<p>This project provides for the backend support of enterprise applications and includes minor software upgrades and patches, hardware upgrades and technical staff training. Upgrades are mandatory in ensuring compliance with the licensing agreements with the application providers. Examples of enterprise applications: include Maximo, ESRI, OpenText, Amanda, PeopleSoft Human Resources and PeopleSoft Financials.</p>																	
SERVICE DELIVERY DIVISION:					CORP-Information Mgmt & Tech.					IMPLEMENTATION DIVISION:				CORP-Information Mgmt & Tech.			
REPORTING CRITERIA:																	
Reporting Criteria:			Routine														
All figures in \$'000s																	
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL						
CIRRF (Rehab/Repl)	54		108	54	54	54	54	54	54	54	538						
WAT-CAP	5		11	5	5	5	5	5	5	5	54						
BLD	1		3	1	1	1	1	1	1	1	13						
PKG	1		1	1	1	1	1	1	1	1	5						
CEM	1		2	1	1	1	1	1	1	1	9						
BUS			1			1				1	2						
RHR	1		1	1	1	1	1	1	1	1	6						
TOTAL	62		126	63	62	63	62	62	63	63	626						
INFLATED	64		137	68	69	71	72	73	75	76	705						
All figures in \$'000s																	
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL						
ONGOING																	
ONE TIME																	
TOTAL																	



PROJECT	459-Enterprise Application Integration Software										ID#	P01380	PSOFT #	190027			
STRATEGIC PLAN LINK:	Infrastructure Renewal										TYPE:	Other					
THEME:	Technology Refresh / Upgrades										WARD:	City Wide					
<p>This project provides for integration and consolidation of data across enterprise applications through appropriate software, licensing, and training of technical staff. This project is ongoing, as each of the enterprise applications update their products with major new releases new bridges become possible and existing bridges need to be examined and reworked to ensure consistent data flow without corruption. Integration provides the corporation with better data mining and analysis providing better information for business planning and decisions.</p>																	
SERVICE DELIVERY DIVISION:					CORP-Information Mgmt & Tech.					IMPLEMENTATION DIVISION:				CORP-Information Mgmt & Tech.			
REPORTING CRITERIA:																	
Reporting Criteria:			Routine														
All figures in \$'000s																	
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL						
CIRRF (Rehab/Repl)			41	17	17	34	17			17	17	161					
WAT-CAP			10	4	4	9	4			4	4	40					
BLD			3	1	1	2	1			1	1	10					
PKG			1		1	1				1	3	3					
CEM			2	1	1	1	1			1	1	7					
BUS				1		1					1	1					
RHR			1	1	1	1	1			1	1	5					
CRF (New)			61	26	26	52	26			26	26	242					
TOTAL			119	50	50	101	50			50	50	469					
INFLATED			129	54	56	113	57			60	60	530					
All figures in \$'000s																	
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL						
ONGOING																	
ONE TIME																	
TOTAL																	



PROJECT	470-OpenText Upgrade Integration					ID#	P01381	PSOFT #	0		
STRATEGIC PLAN LINK:	Sustainability and the Environment					TYPE:	Other				
THEME:	Technology Refresh / Upgrades					WARD:	City Wide				
<p>The OpenText software is the Electronic and Physical Records Management software system used at the City which assists in managing large volumes of records, supports cross-departmental collaboration, provides audit and security controls and automates regulatory requirements. OpenText integrates highly with other software applications and regular updates are required to ensure the integrations continue to work and to take advantage of new features and updates. This capital budget request has been timed to coincide with a IMTS server replacement to maximize resources and create project efficiencies. The funds will be used to keep the system up to date with latest version and continue advanced workflow and module development.</p>											
SERVICE DELIVERY DIVISION:			CORP-Legislative Services			IMPLEMENTATION DIVISION:			CORP-Legislative Services		
REPORTING CRITERIA:		Routine		All figures in \$'000s							
FUNDING SOURCE	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
CIRRF (Rehab/Repl)						206					206
WAT-CAP		26				26					52
BLD		6				6					13
PKG		2				2					5
CEM		4				4					8
BUS		1				1					2
RHR		3				3					6
CRF (New)		257				51					308
TOTAL		300				300					599
INFLATED		317				337					655
All figures in \$'000s											
OPERATING IMPACT	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	TOTAL
ONGOING											
ONE TIME											
TOTAL											

