



2018 Capital Budget
2019 to 2022 Capital Forecast

Prepared by: Finance and Business Services



2018 - 2022 Capital Forecast

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Town of Essex
 Operating / Capital Summary - All Departments
 2018 to 2022 Budget

Operating	Budget	Forecast			
	2018	2019	2020	2021	2022
Operating Revenues					
Amounts Added to Taxes and Special Levies	2,390,027	2,429,869	2,446,750	2,406,214	2,377,266
Conditional and Unconditional Grants	6,300,726	6,521,949	6,561,879	6,561,879	6,561,879
Contributions from Developers	429,904	438,693	447,704	456,941	466,408
Fines and Penalties	379,955	363,200	363,200	363,200	363,200
Interfund Transfers - Revenue	4,096,242	4,275,924	3,679,963	3,685,575	3,685,575
Internal Allocations - Revenue	348,889	346,545	350,728	351,821	351,821
Investment and Other Income	213,813	213,985	213,672	213,865	213,865
License and Permit Fees	303,665	303,665	300,665	298,665	298,665
Payments in Lieu of Taxation	62,570	62,570	62,570	62,570	62,570
Prior Years' Surplus	634,474	0	0	0	0
Property Taxation	13,857,213	14,487,837	15,138,143	15,440,906	15,981,337
Supplementary Taxation	153,544	153,544	153,544	153,544	153,544
User Fees and Service Charges	11,406,167	11,594,451	11,695,753	11,753,892	11,753,892
Total Operating Revenues	40,577,188	41,192,232	41,414,571	41,749,071	42,270,021
Operating Expenses					
Amortization Expense	90,982	90,982	90,982	90,982	90,982
Contracted Services	7,919,748	8,016,841	8,125,801	8,205,201	8,244,252
Debt Servicing	2,555,981	3,083,668	3,144,863	3,131,610	3,044,843
External Transfers	753,179	706,238	619,357	622,539	622,539
Interfund Transfers - Expense	11,089,375	11,326,839	11,132,718	11,049,987	11,264,272
Internal Allocations - Expense	419,464	408,709	411,765	411,764	411,764
Materials and Supplies	2,602,550	2,669,424	2,681,852	2,817,724	2,813,757
Miscellaneous Services	698,194	580,780	580,042	581,428	581,624
Professional Fees	519,176	399,965	429,955	399,965	429,965
Rents and Financial Services	292,663	292,901	293,143	292,228	292,326
Repairs and Maintenance	886,729	891,095	898,756	898,807	906,727
Salaries, Wages, Benefits and Personnel Expenses	10,279,110	10,424,126	10,674,480	10,784,268	10,937,901
Taxation Adjustments	201,954	197,000	197,000	197,000	197,000
Uncollectible Taxes and Accounts Receivable	15,425	15,425	15,425	15,425	15,425
Utilities, Insurance and Property Taxes	2,078,485	2,087,739	2,097,151	2,106,743	2,108,408
Total Operating Expenses	40,403,015	41,191,732	41,393,292	41,605,672	41,961,785
Operating Surplus/(Deficit)	174,173	500	21,279	143,400	308,236

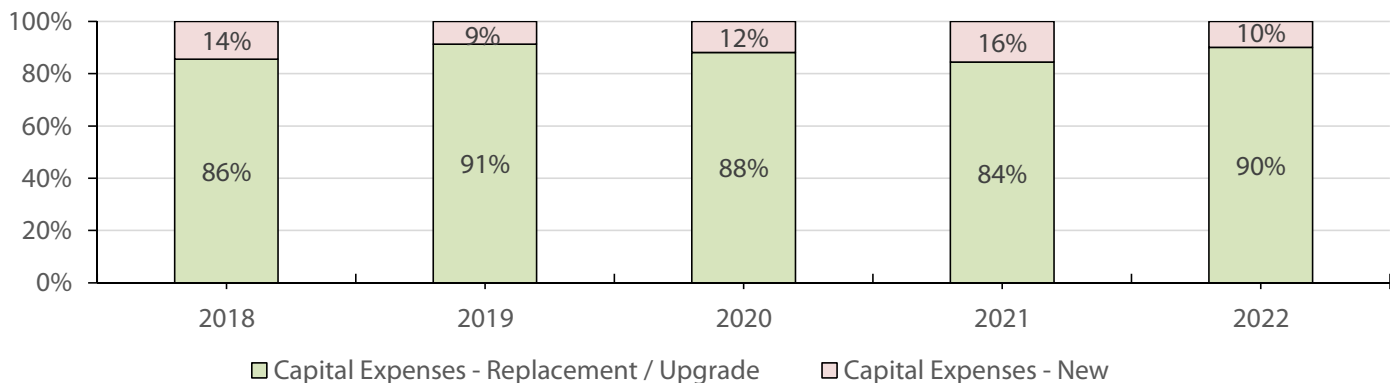


Town of Essex
Operating / Capital Summary - All Departments
2018 to 2022 Budget

Capital	Budget	Forecast			
	2018	2019	2020	2021	2022
Asset Type: Replacement / Upgrade					
Capital Financing					
Grant Revenue	3,556,707	0	25,000	0	0
User Fees and Service Charges	18,607	55,199	52,182	8,750	880
Other Revenue	1,500	9,000	31,889	15,000	0
Long-Term Debt Financing	2,716,205	0	1,500,000	0	0
Revenue Contributions from Reserve Funds	2,817,459	3,091,486	2,445,023	2,539,603	2,224,150
Funding per Asset Management Financial Strategy	1,813,970	2,122,848	1,883,332	1,760,530	2,572,597
Total Capital Financing - Replacement / Upgrade	10,924,448	5,278,532	5,937,425	4,323,883	4,797,626
Capital Expenses - Replacement / Upgrade	10,989,448	5,278,532	5,937,425	4,323,883	4,797,626
Capital - Replacement / Upgrade Surplus/(Deficit)	-65,000	0	0	0	0
Asset Type: New					
Capital Financing					
Grant Revenue	298,000	0	0	0	0
User Fees and Service Charges	0	0	0	0	0
Other Revenue	0	0	0	0	0
Long-Term Debt Financing	400,000	0	0	0	0
Revenue Contributions from Reserve Funds	1,049,056	499,500	778,107	656,100	216,764
Total Capital Financing - New	1,747,056	499,500	778,107	656,100	216,764
Capital Expenses - New	1,856,229	500,000	799,385	799,500	525,000
Capital - New Surplus/(Deficit)	-109,173	-500	-21,279	-143,400	-308,236
Total Capital - Surplus/(Deficit)	-174,173	-500	-21,279	-143,400	-308,236
Net Surplus/(Deficit)	-0	0	0	0	0

Capital Summary - All Asset Types	Budget	Forecast			
	2018	2019	2020	2021	2022
Total Capital Financing - All	12,671,504	5,778,032	6,715,532	4,979,983	5,014,390
Total Capital Expenses - All	12,845,677	5,778,532	6,736,810	5,123,383	5,322,626
Capital Net Surplus/(Deficit)	-174,173	-500	-21,279	-143,400	-308,236

Capital Expense Allocation - Replacement/Upgrade versus New





2018 - 2022 Capital Forecast

Department Level Summary

Department	Forecast														
	2018 Budget			2019			2020			2021			2022		
	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
Council	50,000	0	50,000	50,000	50,000	0	50,000	28,721	21,279	50,000	0	50,000	50,000	0	50,000
Corporate Services	186,188	150,688	35,500	0	0	0	19,385	19,385	0	0	0	0	0	0	0
Police	0	0	0	25,000	25,000	0	25,000	25,000	0	25,000	25,000	0	25,000	25,000	0
Fire	452,815	452,815	0	396,103	396,103	0	1,565,481	1,565,481	0	774,481	774,481	0	1,678,877	1,678,877	0
Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Public Works	9,257,412	9,257,412	0	3,195,000	3,195,000	0	3,115,970	3,115,970	0	2,538,721	2,533,221	5,500	2,961,000	2,702,764	258,236
Health Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Community Services	1,366,262	1,353,089	13,173	877,329	876,829	500	1,444,974	1,444,974	0	1,114,381	1,026,481	87,900	169,599	169,599	0
Planning and Development	170,000	94,500	75,500	0	0	0	0	0	0	0	0	0	0	0	0
Water	721,000	721,000	0	482,100	482,100	0	267,000	267,000	0	283,200	283,200	0	226,000	226,000	0
Sanitary Sewer	642,000	642,000	0	753,000	753,000	0	249,000	249,000	0	337,600	337,600	0	212,150	212,150	0
Total	12,845,677	12,671,504	174,173	5,778,532	5,778,032	500	6,736,810	6,715,532	21,279	5,123,383	4,979,983	143,400	5,322,626	5,014,390	308,236

2018 - 2021 Capital Forecast	2018 Adopted Forecast			2019 Adopted Forecast			2020 Adopted Forecast			2021 Adopted Forecast			2022		
	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
Council	50,000	0	50,000	50,000	0	50,000	50,000	0	50,000	50,000	0	50,000	0	0	0
Corporate Services	117,588	114,588	3,000	0	0	0	19,385	0	19,385	0	0	0	0	0	0
Police	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fire	52,815	52,815	0	2,296,103	2,296,103	0	65,481	65,481	0	574,481	574,481	0	0	0	0
Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Public Works	2,928,550	2,908,550	20,000	2,784,500	2,774,476	10,024	2,680,220	2,449,126	231,094	3,049,221	2,649,221	400,000	0	0	0
Health Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Community Services	867,902	834,366	33,536	773,829	738,829	35,000	1,374,974	1,279,974	95,000	1,002,640	843,640	159,000	0	0	0
Planning and Development	35,000	35,000	0	0	0	0	0	0	0	0	0	0	0	0	0
Water	372,000	372,000	0	615,500	615,500	0	416,776	416,776	0	273,200	273,200	0	0	0	0
Sanitary Sewer	297,000	297,000	0	753,000	753,000	0	249,000	249,000	0	337,700	337,700	0	0	0	0
Total	4,720,855	4,614,319	106,536	7,272,932	7,177,908	95,024	4,855,836	4,460,357	395,479	5,287,242	4,678,242	609,000	0	0	0

Increase/(Decrease)	2018 Change			2019 Change			2020 Change			2021 Change			2022 Change		
	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
Council	0	0	0	0	50,000	-50,000	0	28,721	-28,721	0	0	0	50,000	0	50,000
Corporate Services	68,600	36,100	32,500	0	0	0	0	19,385	-19,385	0	0	0	0	0	0
Police	0	0	0	25,000	25,000	0	25,000	25,000	0	25,000	25,000	0	25,000	25,000	0
Fire	400,000	400,000	0	-1,900,000	-1,900,000	0	1,500,000	1,500,000	0	200,000	200,000	0	1,678,877	1,678,877	0
Building	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Public Works	6,328,862	6,348,862	-20,000	410,500	420,524	-10,024	435,750	666,844	-231,094	-510,500	-116,000	-394,500	2,961,000	2,702,764	258,236
Health Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Community Services	498,360	518,723	-20,363	103,500	138,000	-34,500	70,000	165,000	-95,000	111,741	182,841	-71,100	169,599	169,599	0
Planning and Development	135,000	59,500	75,500	0	0	0	0	0	0	0	0	0	0	0	0
Water	349,000	349,000	0	-133,400	-133,400	0	-149,776	-149,776	0	10,000	10,000	0	226,000	226,000	0
Sanitary Sewer	345,000	345,000	0	0	0	0	0	0	0	-100	-100	0	212,150	212,150	0
Total	8,124,822	8,057,185	67,637	-1,494,400	-1,399,876	-94,524	1,880,974	2,255,175	-374,201	-163,859	301,741	-465,600	5,322,626	5,014,390	308,236



2018 - 2022 Capital Forecast

Department: All
Project Type: New

Project Number	Project Name	Project Type	Forecast															
			2018 Budget			2019			2020			2021			2022			
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	
GG-18-0004	Contingency	New	50,000	0	50,000													
GG-18-0003	Fees and Charges Review	Studies	30,000	27,000	3,000													
GG-18-0009	Greenhouse Gas Inventory, Targets and Plan	Studies	35,000	28,000	7,000													
GG-18-0010	Wifi at Harbour and Essex Arena	New	21,000	0	21,000													
GG-18-0011	Video Surveillance at Town Hall and Gesto Office	New	4,500	0	4,500													
FD-18-0006	Purchase Land and Site Preparation	New	400,000	400,000	0													
PW-18-0014	Sidewalks/Trails	New	400,000	400,000	0													
PW-18-0035	LAS Roads Assessment	Studies	100,000	100,000	0													
CS-18-0042	New Toro	New	84,000	83,700	300													
CS-18-0045	New Panel Van	New	48,729	43,856	4,873													
CS-18-0049	Splashpad and Change House in Essex Centre	New	350,000	350,000	0													
CS-18-0058	Covered Shelter for Garbage Bins at Harbour	New	8,000	0	8,000													
CS-18-0061	Colchester Beach Accessible Ramp Access	New	220,000	220,000	0													
PZ-18-0001	Development Charge Study	Studies	35,000	31,500	3,500													
PZ-18-0002	Development Standards Manual	Studies	70,000	63,000	7,000													
GG-19-0002	Contingency	New				50,000	50,000	0										
PW-19-0018	Sidewalks/Trails	New				400,000	400,000	0										
PW-19-0017	Rural Streetlight Installation (Colchester Village)	New				20,000	20,000	0										
CS-19-0049	2 New Lights on Path from McKeown to Sadler's Park	New				30,000	29,500	500										
GG-20-0002	Contingency	New							50,000	28,721	21,279							
GG-20-0003	Intranet	New							19,385	19,385	0							
PW-20-0016	Rural Streetlight Installation (Colchester Village)	New							25,000	25,000	0							
PW-20-0017	Sidewalks/Trails	New							450,000	450,000	0							
CS-20-0040	Dugouts at Harrow Diamonds	New							15,000	15,000	0							
CS-20-0042	Tennis Courts in Essex	New							240,000	240,000	0							
GG-21-0002	Contingency	New										50,000	0	50,000				
PW-21-0007	Sidewalks/Trails	New										450,000	450,000	0				
PW-21-0008	Rural Streetlight Installation	New										25,000	19,500	5,500				
CS-21-0026	Folding Tables for Jackson Park	New										8,000	0	8,000				
CS-21-0040	Cement Walkway into Stanton Park	New										26,000	26,000	0				
CS-21-0043	New Public Washrooms/Change Room at Harrow Splash Pad	New										150,000	120,100	29,900				
CS-21-0034	Sadler's Park Power Pedestals	New										50,000	0	50,000				
CS-21-0045	Parks Outdoor Tools and Equipment	New										12,500	12,500	0				
CS-21-0047	Top Dresser for Sports Fields	New										28,000	28,000	0				
GG-22-0001	Contingency	New													50,000	0	50,000	
PW-22-0011	Sidewalks/Trails	New													450,000	197,264	252,736	
PW-22-0012	Rural Streetlight Installation	New													25,000	19,500	5,500	
Total			1,856,229	1,747,056	109,173	500,000	499,500	500	799,385	778,107	21,279	799,500	656,100	143,400	525,000	216,764	308,236	

Asset Management Lifecycle Implications

New Asset Value	1,856,229	500,000	799,385	799,500	525,000
Less: Studies and Land	-670,000	0	0	0	0
Sub-Total	1,186,229	500,000	799,385	799,500	525,000
Estimated Useful Life	10 Years	10 Years	10 Years	10 Years	10 Years
Annual Lifecycle Requirement	118,623	50,000	79,939	79,950	52,500
Accumulated Lifecycle Requirement	118,623	168,623	248,561	328,511	381,011



Property Tax Supported



2018 - 2022 Capital Budget

Funded by: Property Tax Supported

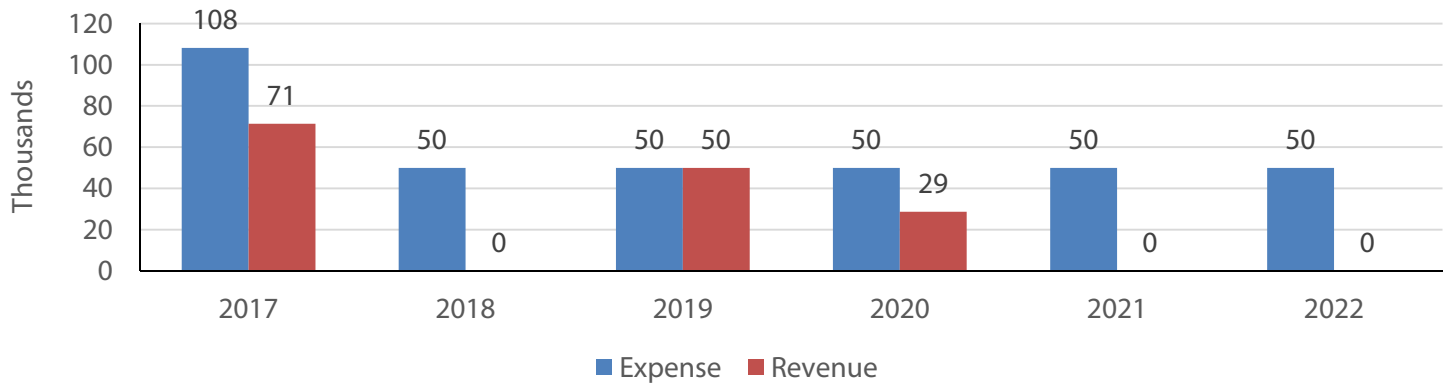
Department: General Government

Division: Council

Executive Summary

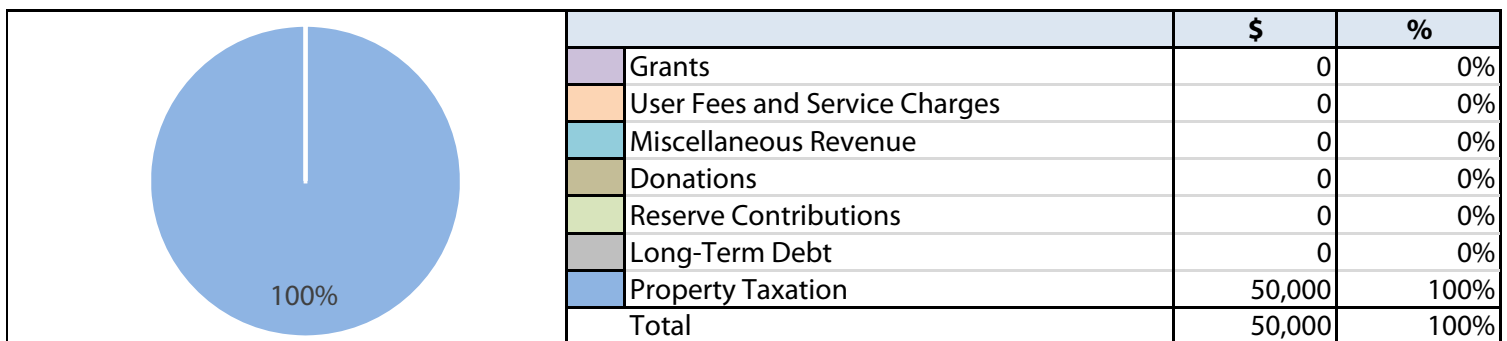
The 2018 Capital Budget for Council consists of a Council Contingency amount that has been maintained after being introduced in 2016.

Expense versus Revenue



Analysis of Revenue Source for 2018

For 2018 the funding source for Council under the Capital Budget is from Property Taxation at \$50,000 or 100% which has increased from the 2017 amount of \$37,000.



Future Capital and Contributions to Reserve

The 2018 Operating Budget for Council does not include any reserve transfers or lifecycle allocations for future capital assets. The projects identified under Council are generally related to specific divisions within the Municipality, whether it's Infrastructure and Development, Community Services, Fire, or Corporate Services, and therefore any capital budget items specific to these divisions will have lifecycle contributions budgeted under their cost centres in the future.

Long-Term Debt (LTD) Impacts on the Operating Budget

The amount of revenue from LTD under the capital budget for Council in 2018 is \$0. Future debt payments are estimated using an average 10 year term and an interest rate of 1.57%.

The estimated future impact on the operating budget over an average 10 year term is \$0.

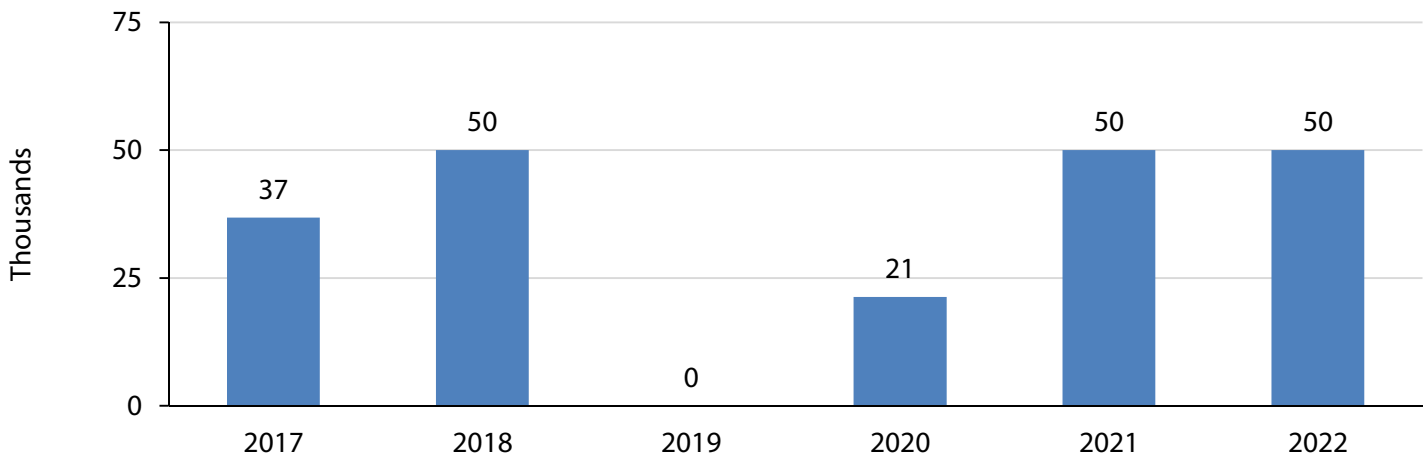


2018 - 2022 Capital Budget

Department: General Government
 Division: Council

Summary			Budget	Change		Forecast			
Category	2016 Actual	2017 Budget	2018	\$	%	2019	2020	2021	2022
Expenses	14,046	108,133	50,000	-58,133	-54%	50,000	50,000	50,000	50,000
Revenues	11,942	71,347	0	-71,347	-100%	50,000	28,721	0	0
Net	2,104	36,786	50,000	13,214	36%	0	21,279	50,000	50,000

Net Capital Budget (2017 to 2022)

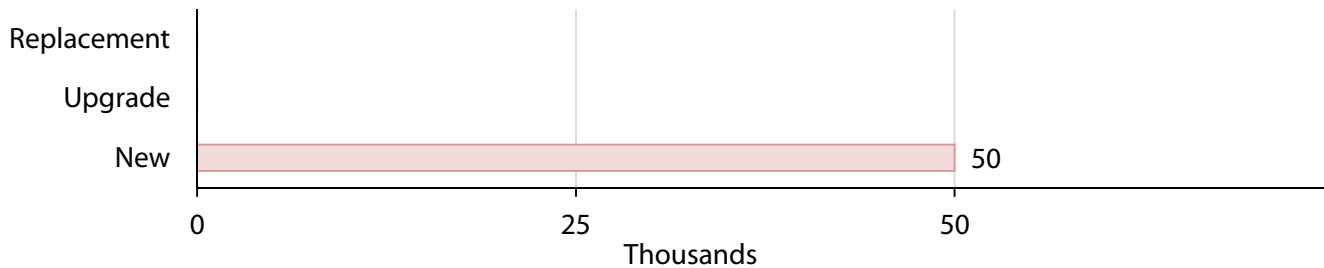


Asset Management Lifecycle Implications

Assets under Council are included in Phase 2 of the Town's Asset Management Plan, which was adopted March 27, 2017.

Capital expenditures where the project type is identified as 'Replacement', 'Rehabilitation', or 'Upgrade' for the purpose of this document are considered to be lifecycle activities of existing assets. Expenditures on these assets contribute towards the renewal of existing assets.

2018 Total Expense by Project Type



Capital expenditures where the project type is 'New' will increase the Annual Lifecycle Requirement from their date of acquisition. The annual lifecycle requirement for these assets utilizing an estimated useful life of 10 years are:

New Asset Value	50,000
Estimated Useful Life	10 years
Annual Lifecycle Requirement	5,000 per year



2018 - 2022 Capital Budget

Department: General Government
Division: Council

Project Number	Project Name	Project Type	Forecast														
			2018 Budget			2019			2020			2021			2022		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
GG-18-0004	Contingency	New	50,000	0	50,000												
GG-19-0002	Contingency	New				50,000	50,000	0									
GG-20-0002	Contingency	New							50,000	28,721	21,279						
GG-21-0002	Contingency	New										50,000	0	50,000			
GG-22-0001	Contingency	New													50,000	0	50,000
Total			50,000	0	50,000	50,000	50,000	0	50,000	28,721	21,279	50,000	0	50,000	50,000	0	50,000

2018 - 2021 Approved Forecast Totals	50,000	0	50,000	50,000	0	50,000	50,000	0	50,000	50,000	0	50,000
Increase/(Decrease)	0	0	0	0	-50,000	50,000	0	-28,721	28,721	0	0	0

Council Proposed Projects from the 2018 - 2022 Budget Not included in the budget

Project Number	Project Name	Project Type	2018			2019			2020			2021			2022		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
GG-17-0004	Urban Centre Revitalization/Development	Upgrade	150,000	0	150,000												
GG-17-0013	Heritage Park Water Feature	New	250,000	0	250,000												
GG-17-0014	Outdoor Gym Equipment in Colchester	New	75,000	0	75,000												
GG-17-0015	Accessible Walkway to Beach	New	35,000	0	35,000												
GG-17-0016	County Road 50 and Dunn Road Parking Lot	Upgrade	426,360	0	426,360												
GG-17-0017	Accessible Paths in Heritage Park	New	60,000	0	60,000												
GG-17-0018	New Pylon Sign at Co-An Park	Replacement	30,000	0	30,000												
GG-17-0019	New Land for Soccer at Co-An Park	New	300,000	0	300,000												
GG-17-0020	Pave Co-An Park Parking Lot	Upgrade	440,000	0	440,000												
GG-17-0021	Playground Structure at Co-An Park	Replacement	200,000	0	200,000												
GG-17-0022	Pave Old Car Wash Parking Lot	Upgrade	204,445	0	204,445												
GG-18-0001	Urban Centre Revitalization/Development	Upgrade				150,000	0	150,000									
GG-18-0002	Outdoor Exercise Equipment	New				75,000	0	75,000									
GG-18-0003	Sidewalk/Trail on Irwin between County Road 34 and Gosfield Townline	New				120,000	0	120,000									
GG-18-0004	Irwin Avenue between Arthur Avenue and Gosfield Townline (Roads and Roadside)	Replacement				454,673	0	454,673									
GG-18-0005	Irwin Avenue between Arthur Avenue and Gosfield Townline (Stormwater)	Replacement				196,877	0	196,877									
WW-18-0007	Irwin Avenue between Arthur Avenue and Gosfield Townline (Waterworks)	Replacement				134,000	0	134,000									
GG-18-0006	Water Access at Bell Park	Replacement				20,000	0	20,000									
GG-18-0007	Exterior Light at Harrow Post Office	New				2,000	0	2,000									
GG-19-0001	Urban Centre Revitalization/Development	Upgrade							150,000	0	150,000						
GG-19-0002	Irwin Avenue between Arthur Avenue and Gosfield Townline (Roads and Roadside)	Replacement							495,000	0	495,000						
GG-19-0003	Irwin Avenue between Arthur Avenue and Gosfield Townline (Stormwater)	Replacement							126,500	0	126,500						
GG-19-0004	Irwin Avenue between Arthur Avenue and Gosfield Townline (Waterworks)	Replacement							252,000	0	252,000						
GG-20-0001	Urban Centre Revitalization/Development	Upgrade										150,000	0	150,000			
GG-21-0001	Urban Centre Revitalization/Development	Upgrade													150,000	0	150,000
Total			2,170,805	0	2,170,805	1,152,550	0	1,152,550	1,023,500	0	1,023,500	150,000	0	150,000	150,000	0	150,000



2018 - 2022 Capital Budget

Department: General Government
Division: Council





2018 - 2022 Capital Budget

Funded by: Property Tax Supported

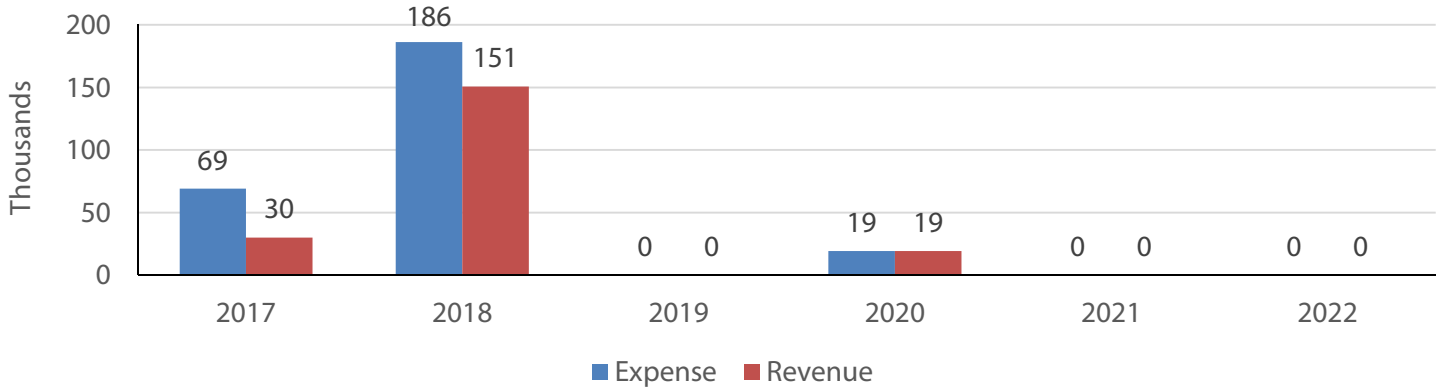
Department: General Government

Division: Corporate Services

Executive Summary

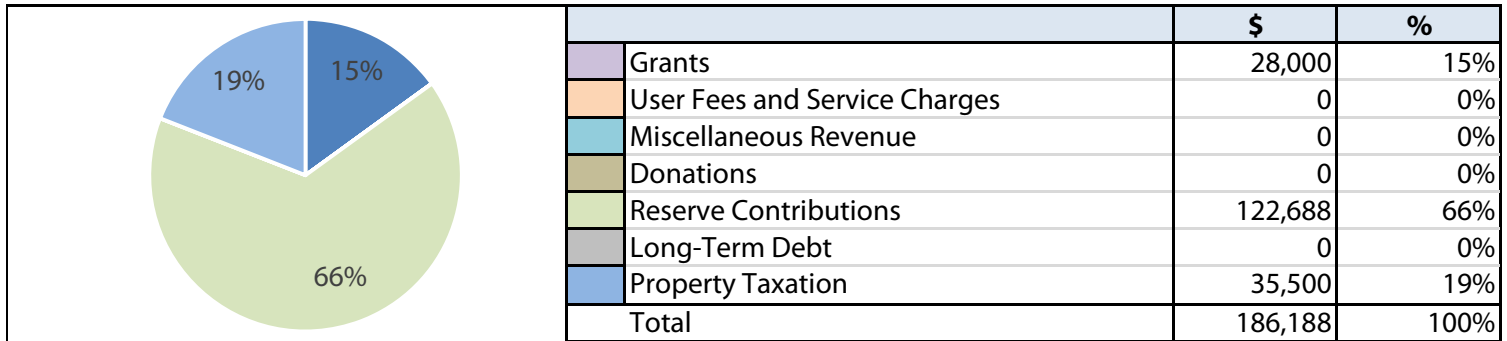
The 2018 Capital Budget for Corporate Services consists of a review of the Town's fees and charges, building and land improvements at Town Hall, and the completion of the Town's Greenhouse Gas Inventory, Targets and Plan.

Expense versus Revenue



Analysis of Revenue Source for 2018

For 2018 the largest funding source for Corporate Services under the Capital Budget is from Reserve Contributions at \$123,000 or 66%. Property Taxation makes up \$36,000 or 19% and Grants total \$28,000 or 15% in 2018.



Future Capital and Contributions to Reserve

The 2018 Operating Budget for Corporate Services does not include any reserve transfers or lifecycle allocations for future capital assets.

Long-Term Debt (LTD) Impacts on the Operating Budget

The amount of revenue from LTD under the capital budget for Corporate Services in 2018 is \$0. Future debt payments are estimated using an average 10 year term and an interest rate of 1.57%.

The estimated future impact on the operating budget over an average 10 year term is \$0.

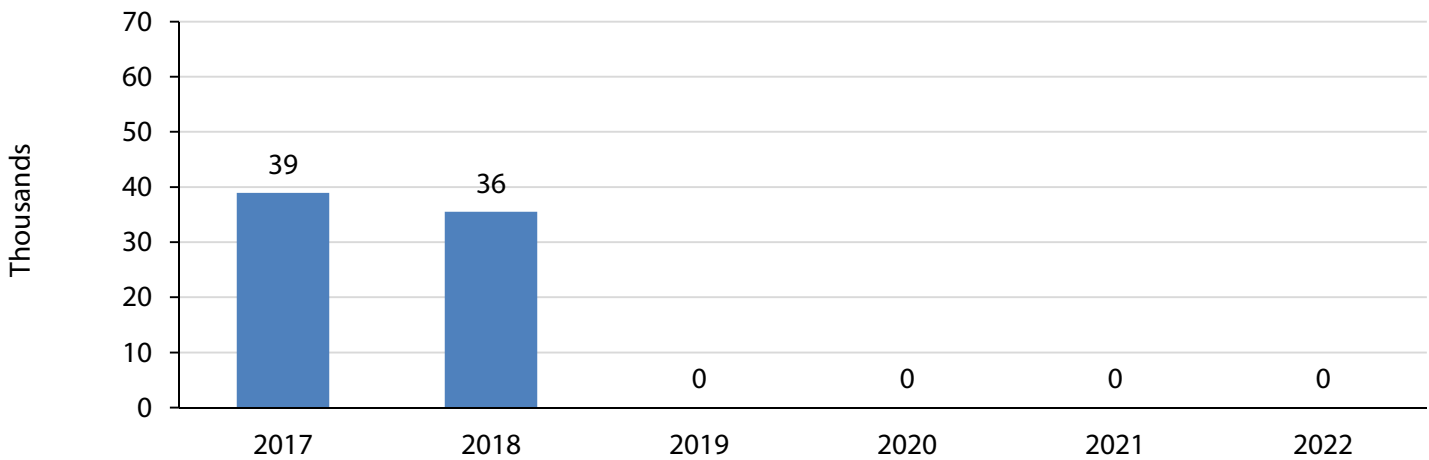


2018 - 2022 Capital Budget

Department: General Government
 Division: Corporate Services

Summary			Budget	Change		Forecast			
Category	2016 Actual	2017 Budget	2018	\$	%	2019	2020	2021	2022
Expenses	80,399	69,022	186,188	117,166	170%	0	19,385	0	0
Revenues	70,259	30,088	150,688	120,600	401%	0	19,385	0	0
Net	10,140	38,934	35,500	-3,434	-9%	0	0	0	0

Net Capital Budget (2017 to 2022)

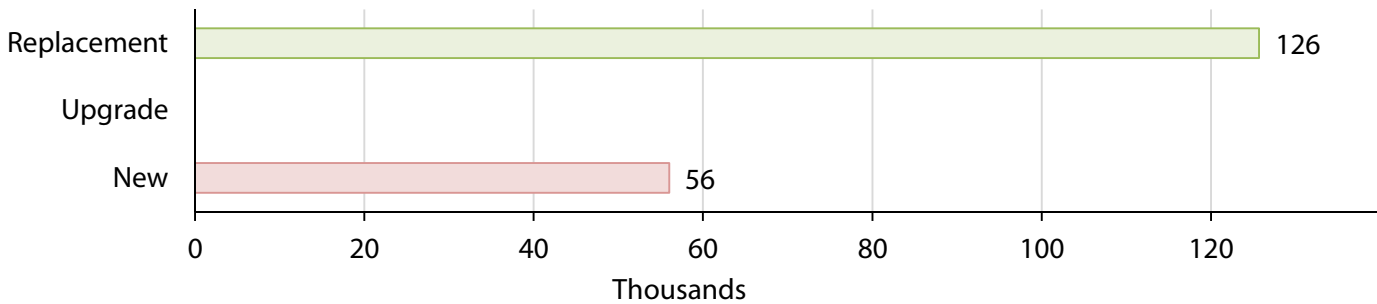


Asset Management Lifecycle Implications

Assets under Corporate Services are included in Phase 2 of the Town's Asset Management Plan, which was adopted March 27, 2017.

Capital expenditures where the project type is identified as 'Replacement', 'Rehabilitation', or 'Upgrade' for the purpose of this document are considered to be lifecycle activities of existing assets. Expenditures on these assets contribute towards the renewal of existing assets.

2018 Total Expense by Project Type



Capital expenditures where the project type is 'New' will increase the Annual Lifecycle Requirement from their date of acquisition. The annual lifecycle requirement for these assets utilizing an estimated useful life of 10 years are:

New Asset Value	56,000
Less: Land and Studies	-35,000
	<u>21,000</u>
Estimated Useful Life	10 years
Annual Lifecycle Requirement	2,100 per year



2018 - 2022 Capital Budget

Department: General Government
 Division: Corporate Services

Project Number	Project Name	Project Type	Forecast														
			2018 Budget			2019			2020			2021			2022		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
GG-18-0003	Fees and Charges Review	Studies	30,000	27,000	3,000												
GG-18-0006	Replace Gazebo in front of Town Hall	Replacement	10,176	10,176	0												
GG-18-0007	Replace and Relocate Generator at Town Hall	Replacement	77,412	77,412	0												
GG-18-0008	Town Hall Window Replacements	Replacement	8,100	8,100	0												
GG-18-0009	Greenhouse Gas Inventory, Targets and Plan	Studies	35,000	28,000	7,000												
GG-18-0010	Wifi at Harbour and Essex Arena	New	21,000	0	21,000												
GG-18-0011	Video Surveillance at Town Hall and Gesto Office	New	4,500	0	4,500												
GG-20-0003	Intranet	New							19,385	19,385	0						
Total			186,188	150,688	35,500	0	0	0	19,385	19,385	0	0	0	0	0	0	0

2018 - 2021 Approved Forecast Totals	117,588	114,588	3,000	0	0	0	0	0	0	0	0	0	0
Increase/(Decrease)	68,600	36,100	32,500	0	0	0	19,385	19,385	0	0	0	0	0



2018 - 2022 Capital Budget

Department: General Government

Division: Corporate Services





2018 - 2022 Capital Budget

Funded by: Property Tax Supported

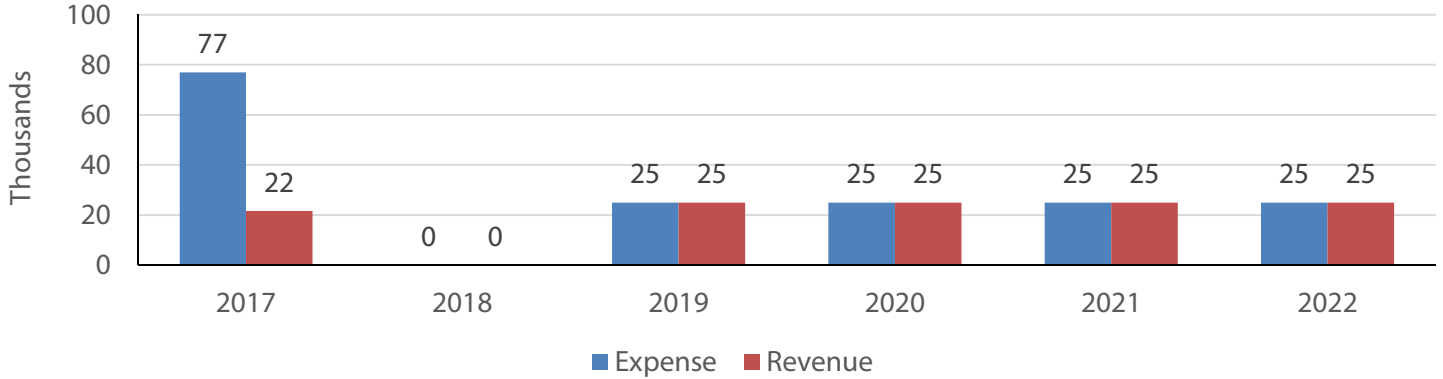
Department: Protection to Persons and Property

Division: Police

Executive Summary

The 2018 Capital Budget for Police does not include any capital projects.

Expense versus Revenue



Analysis of Revenue Source for 2018

Not applicable.

		\$	%
0%	Grants	0	#DIV/0!
0%	User Fees and Service Charges	0	#DIV/0!
	Miscellaneous Revenue	0	#DIV/0!
	Donations	0	#DIV/0!
	Reserve Contributions	0	#DIV/0!
	Long-Term Debt	0	#DIV/0!
	Property Taxation	0	#DIV/0!
	Total	0	#DIV/0!

Future Capital and Contributions to Reserve

The 2018 Operating Budget for Police includes a reserve transfer or lifecycle allocation for future capital assets in the amount of \$50,000. This amount is identified for the future replacement of the building.

Long-Term Debt (LTD) Impacts on the Operating Budget

The amount of revenue from LTD under the capital budget for Police in 2018 is \$0. Future debt payments are estimated using an average 10 year term and an interest rate of 1.57%.

The estimated future impact on the operating budget over an average 10 year term is \$0.

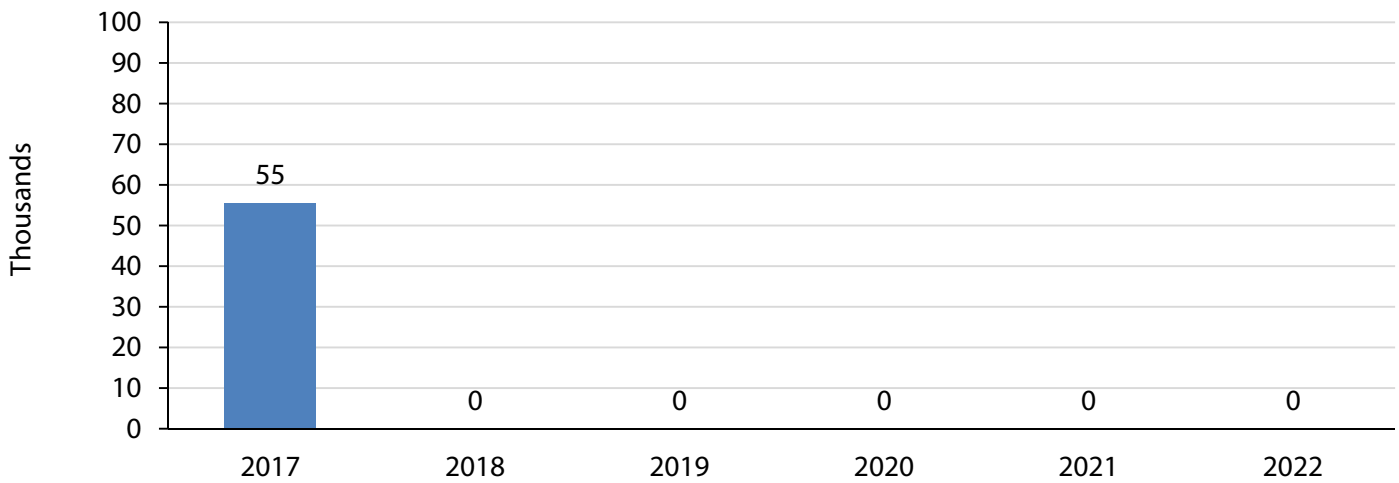


2018 - 2022 Capital Budget

Department: Protection to Persons and Property
 Division: Police

Summary			Budget	Change		Forecast			
Category	2016 Actual	2017 Budget	2018	\$	%	2019	2020	2021	2022
Expenses	0	77,025	0	-77,025	-100%	25,000	25,000	25,000	25,000
Revenues	0	21,600	0	-21,600	-100%	25,000	25,000	25,000	25,000
Net	0	55,425	0	-55,425	-100%	0	0	0	0

Net Capital Budget (2017 to 2022)

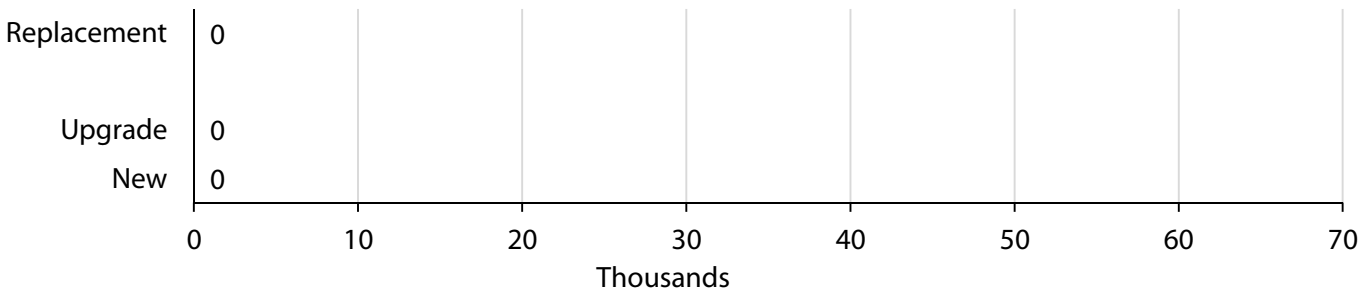


Asset Management Lifecycle Implications

Assets under Police are included in Phase 2 of the Town's Asset Management Plan, which was adopted March 27, 2017.

Capital expenditures where the project type is identified as 'Replacement', 'Rehabilitation', or 'Upgrade' for the purpose of this document are considered to be lifecycle activities of existing assets. Expenditures on these assets contribute towards the renewal of existing assets.

2018 Total Expense by Project Type



Capital expenditures where the project type is 'New' will increase the Annual Lifecycle Requirement from their date of acquisition. The annual lifecycle requirement for these assets utilizing an estimated useful life of 10 years are:

New Asset Value	-
Estimated Useful Life	10 years
Annual Lifecycle Requirement	- per year



2018 - 2022 Capital Budget

Department: Protection to Persons and Property
 Division: Police

Project Number	Project Name	Project Type	Forecast														
			2018 Budget			2019			2020			2021			2022		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
PD-19-0001	Contingency	Replacement				25,000	25,000	0									
PD-20-0001	Contingency	Replacement							25,000	25,000	0						
PD-21-0001	Contingency	Replacement										25,000	25,000	0			
PD-22-0001	Contingency	Replacement													25,000	25,000	0
Total			0	0	0	25,000	25,000	0	25,000	25,000	0	25,000	25,000	0	25,000	25,000	0

	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Increase/(Decrease)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0



2018 - 2022 Capital Budget

Department: Protection to Persons and Property
Division: Police





2018 - 2022 Capital Budget

Funded by: Property Tax Supported

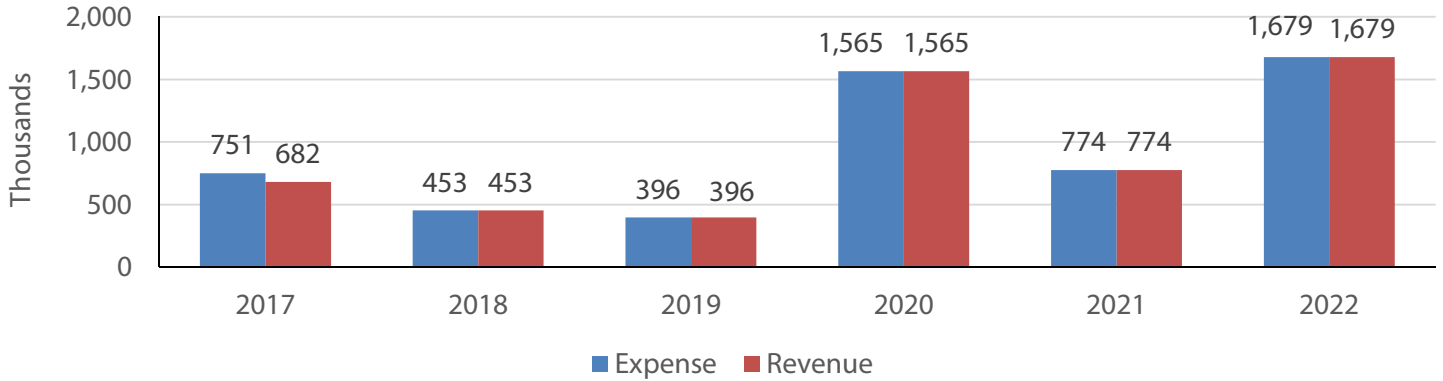
Department: Protection to Persons and Property

Division: Fire

Executive Summary

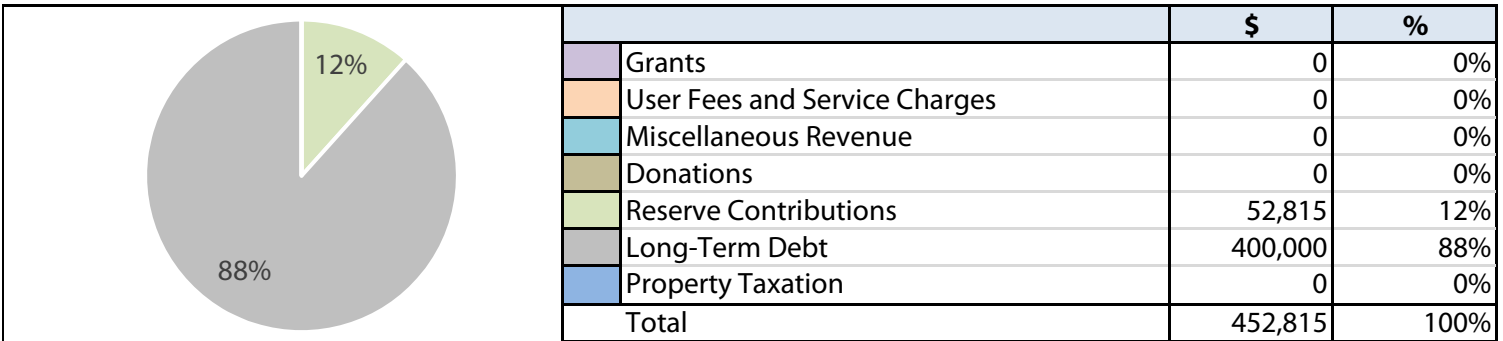
The 2018 Capital Budget for Fire consists of \$400,000 for the purchase and preparation of land for the replacement and relocation of Station 2. Five of the projects identified for 2018 are related to Fire's annual replacement program for items such as boots, bunker gear, helmets, hoses, pagers, and gloves.

Expense versus Revenue



Analysis of Revenue Source for 2018

For 2018 the largest funding source for Fire under the Capital Budget is from Long-Term Debt at \$400,000 or 88%. Contributions from Reserve have decreased from \$177,000 in 2017 to \$53,000 in 2018.



Future Capital and Contributions to Reserve

The 2018 Operating Budget for Fire includes reserve transfers or lifecycle allocations for future capital assets in the amount of \$151,000.

Long-Term Debt (LTD) Impacts on the Operating Budget

The amount of revenue from LTD under the capital budget for Fire in 2018 is \$400,000. Future debt payments for Fire are estimated using a 5 year term and an interest rate of 1.57%.

The estimated future impact on the operating budget over an average 5 year term is \$44,000.

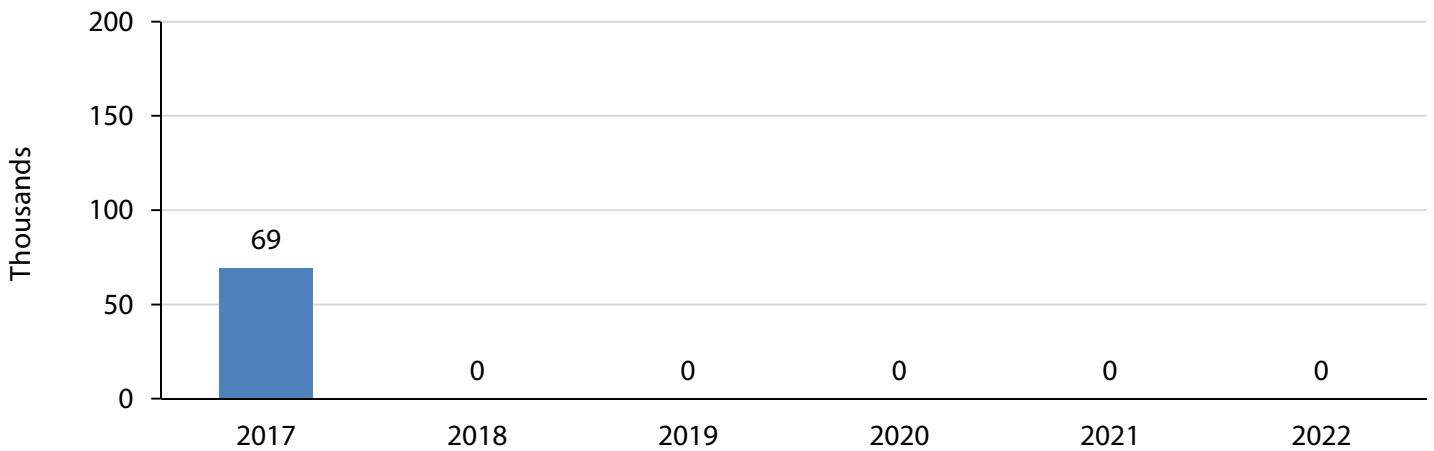


2018 - 2022 Capital Budget

Department: Protection to Persons and Property
 Division: Fire

Summary			Budget	Change		Forecast			
Category	2016 Actual	2017 Budget	2018	\$	%	2019	2020	2021	2022
Expenses	164,051	751,067	452,815	-298,252	-40%	396,103	1,565,481	774,481	1,678,877
Revenues	164,051	681,627	452,815	-228,812	-34%	396,103	1,565,481	774,481	1,678,877
Net	0	69,440	0	-69,440	-100%	0	0	0	0

Net Capital Budget (2017 to 2022)

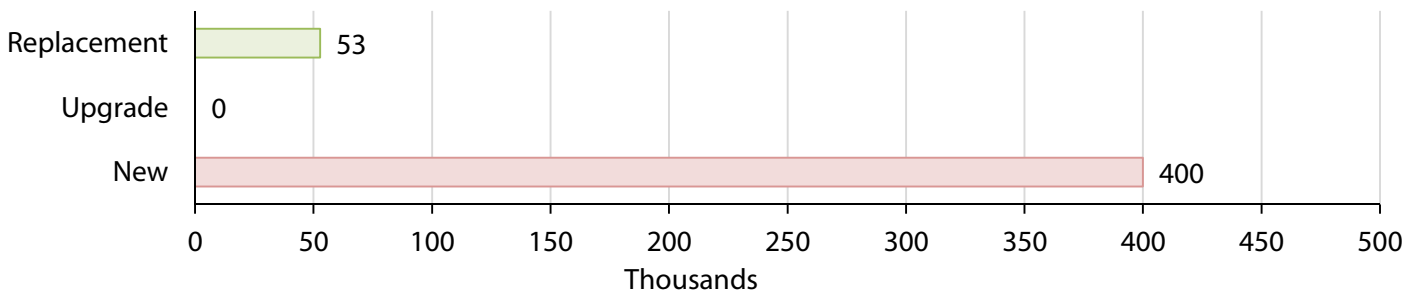


Asset Management Lifecycle Implications

Assets under Fire are included in Phase 2 of the Town's Asset Management Plan, which was adopted March 27, 2017.

Capital expenditures where the project type is identified as 'Replacement', 'Rehabilitation', or 'Upgrade' for the purpose of this document are considered to be lifecycle activities of existing assets. Expenditures on these assets contribute towards the renewal of existing assets.

2018 Total Expense by Project Type



Capital expenditures where the project type is 'New' (with the exception of land and studies) will increase the Annual Lifecycle Requirement from their date of acquisition. The annual lifecycle requirement for these assets utilizing an estimated useful life of 10 years are:

New Asset Value	400,000
Less: Land and Studies	0
	<u>400,000</u>
Estimated Useful Life	10 years
Annual Lifecycle Requirement	40,000 per year



2018 - 2022 Capital Budget

Department: Protection to Persons and Property
 Division: Fire

Project Number	Project Name	Project Type	Forecast														
			2018 Budget			2019			2020			2021			2022		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
FD-18-0001	Helmet Replacement Program	Replacement	3,150	3,150	0												
FD-18-0002	Hose Replacement Program	Replacement	15,000	15,000	0												
FD-18-0003	Pager Replacement Program	Replacement	5,625	5,625	0												
FD-18-0004	Boot Replacement Program	Replacement	3,840	3,840	0												
FD-18-0005	Bunker Gear Replacement Program	Replacement	25,200	25,200	0												
FD-18-0006	Purchase Land and Site Preparation	New	400,000	400,000	0												
FD-19-0001	Helmet Replacement Program	Replacement				3,182	3,182	0									
FD-19-0002	Hose Replacement Program	Replacement				15,150	15,150	0									
FD-19-0003	Pager Replacement Program	Replacement				5,681	5,681	0									
FD-19-0004	Boot Replacement Program	Replacement				4,209	4,209	0									
FD-19-0005	Bunker Gear Replacement Program	Replacement				25,452	25,452	0									
FD-19-0007	Replace Portable Generators for Trucks (3)	Replacement				20,985	20,985	0									
FD-19-0008	Replace Thermal Imaging Camera at Station 2	Replacement				12,400	12,400	0									
FD-19-0009	Replace Protective Hoods (Helmets)	Replacement				1,600	1,600	0									
FD-19-0010	Replace Defibrillators at Stations 1 and 3	Replacement				7,444	7,444	0									
FD-19-0012	Replace Rescue 3 at Station 3	Replacement				300,000	300,000	0									
FD-20-0001	Helmet Replacement Program	Replacement							3,182	3,182	0						
FD-20-0002	Hose Replacement Program	Replacement							15,150	15,150	0						
FD-20-0003	Pager Replacement Program	Replacement							5,681	5,681	0						
FD-20-0004	Replace Gloves (20)	Replacement							2,909	2,909	0						
FD-20-0005	Replace Headsets (3)	Replacement							3,600	3,600	0						
FD-20-0006	Replace Thermal Imaging Camera at Station 3	Replacement							5,629	5,629	0						
FD-20-0007	Boot Replacement Program	Replacement							3,878	3,878	0						
FD-20-0008	Bunker Gear Replacement Program	Replacement							25,452	25,452	0						
FD-20-0009	Fire Station 2 Replacement	Replacement							1,500,000	1,500,000	0						
FD-21-0001	Boot Replacement Program	Replacement										3,878	3,878	0			
FD-21-0002	Bunker Gear Replacement Program	Replacement										25,452	25,452	0			
FD-21-0003	Carbon Monoxide Detector Replacement	Replacement										3,006	3,006	0			
FD-21-0004	Defibrillator Replacement	Replacement										3,720	3,720	0			
FD-21-0005	Extracation Gloves Replacement	Replacement										2,838	2,838	0			
FD-21-0006	Helmet Replacement Program	Replacement										3,183	3,183	0			
FD-21-0007	Hose Replacement Program	Replacement										15,150	15,150	0			
FD-21-0008	Pager Replacement Program	Replacement										5,682	5,682	0			
FD-21-0009	Replace Deputy Fire Chief's Vehicle	Replacement										45,000	45,000	0			
FD-21-0010	Replace Air Bag Kits at each Station	Replacement										16,860	16,860	0			
FD-21-0011	Replace Fire Chief's Vehicle	Replacement										40,000	40,000	0			
FD-21-0013	Replace Portable Generator at Station 1	Replacement										1,064	1,064	0			
FD-21-0014	Replace Masks at Gesto Office	Replacement										8,648	8,648	0			
FD-21-0015	Replace Engine 3A at Station 3	Replacement										600,000	600,000	0			
FD-22-0001	Boot Replacement Program	Replacement													3,917	3,917	0
FD-22-0002	Bunker Gear Replacement Program	Replacement													25,707	25,707	0
FD-22-0003	Helmet Replacement Program	Replacement													3,213	3,213	0
FD-22-0004	Hose Replacement Program	Replacement													15,302	15,302	0
FD-22-0005	Pager Replacement Program	Replacement													5,738	5,738	0
FD-22-0006	Replace Truck 1&3 and Position New at Station 2	Replacement													1,500,000	1,500,000	0
FD-22-0007	Fire Station 3 Upgrades (Training and Washrooms)	Replacement													125,000	125,000	0
Total			452,815	452,815	0	396,103	396,103	0	1,565,481	1,565,481	0	774,481	774,481	0	1,678,877	1,678,877	0

2018 - 2021 Approved Forecast Totals	52,815	52,815	0	2,296,103	2,296,103	0	65,481	65,481	0	574,481	574,481	0
Increase/(Decrease)	400,000	400,000	0	-1,900,000	-1,900,000	0	1,500,000	1,500,000	0	200,000	200,000	0



2018 - 2022 Capital Budget

Department: Protection to Persons and Property
Division: Fire





2018 - 2022 Capital Budget

Funded by: Property Tax Supported

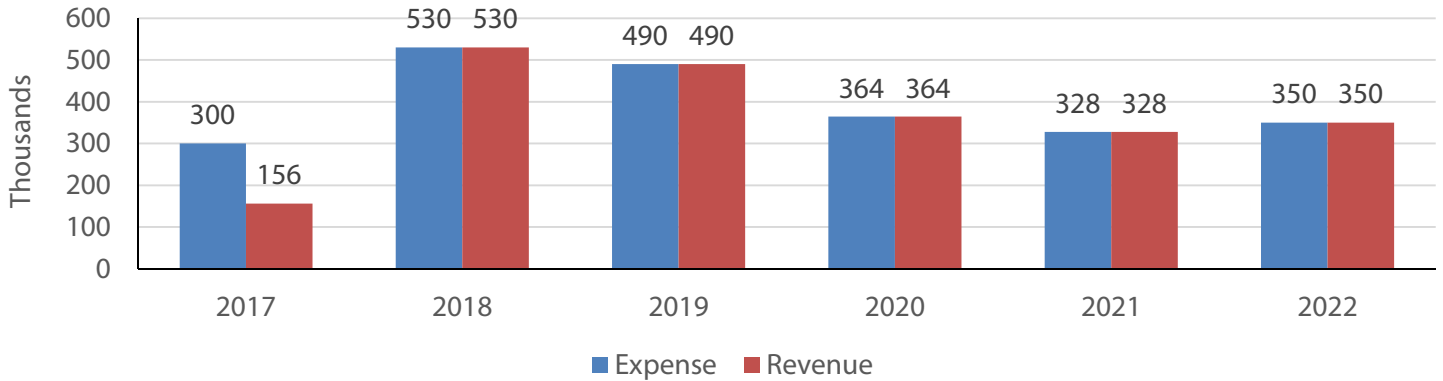
Department: Public Works

Division: Equipment and Administration

Executive Summary

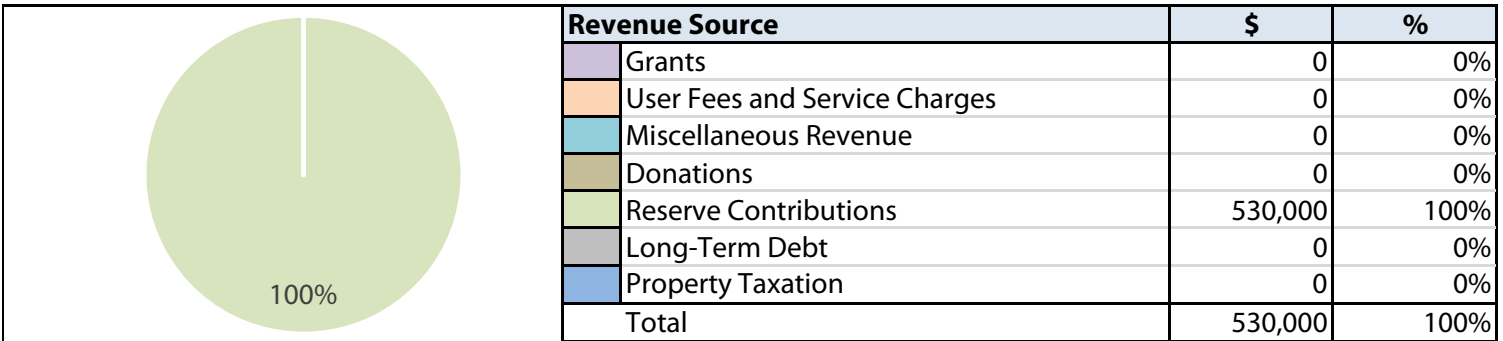
The 2018 Capital Budget for Public Works - Equipment and Administration consists of upgrades and repairs to buildings and equipment. Capital expenditures under Equipment and Administration include the replacement of a 15 Ton Dump and Plow Truck at a budgeted amount of \$280,000 and Front End Loader in the amount of \$250,000.

Expense versus Revenue



Analysis of Revenue Source for 2018

For 2018 all funding for Public Works - Equipment and Administration under the Capital Budget is from Reserve Contributions.



Future Capital and Contributions to Reserve

The 2018 Operating Budget for Public Works - Equipment and Administration includes reserve transfers or lifecycle allocations for future capital assets under vehicles, buildings, and machinery and equipment. Contributions to Reserve for 2018 under the Public Works - Equipment and Administration are budgeted at \$157,000.

Long-Term Debt (LTD) Impacts on the Operating Budget

The amount of revenue from LTD under the capital budget for Public Works - Equipment and Administration in 2018 is \$0. Future debt payments are estimated using an average 10 year term and an interest rate of 1.57%.

The estimated future impact on the operating budget over an average 10 year term is \$0.

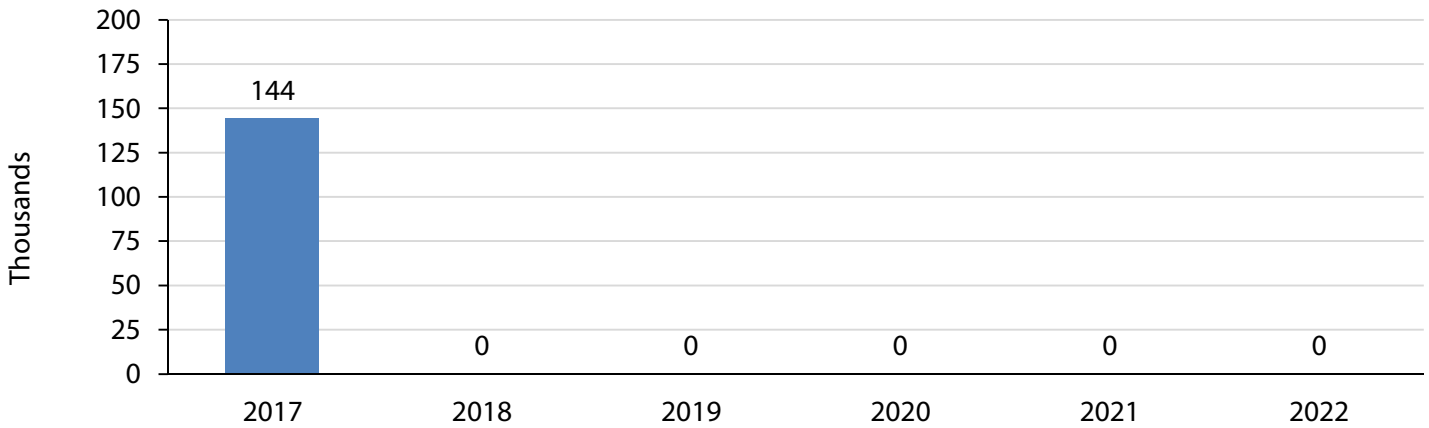


2018 - 2022 Capital Budget

Department: Public Works
 Division: Equipment and Administration

Summary			Budget	Change		Forecast			
Category	2016 Actual	2017 Budget	2018	\$	%	2019	2020	2021	2022
Expenses	603,874	300,000	530,000	230,000	77%	490,000	364,220	327,721	350,000
Revenues	60,941	155,849	530,000	374,151	240%	490,000	364,220	327,721	350,000
Net	542,933	144,151	0	-144,151	100%	0	0	0	0

Net Capital Budget (2017 to 2022)

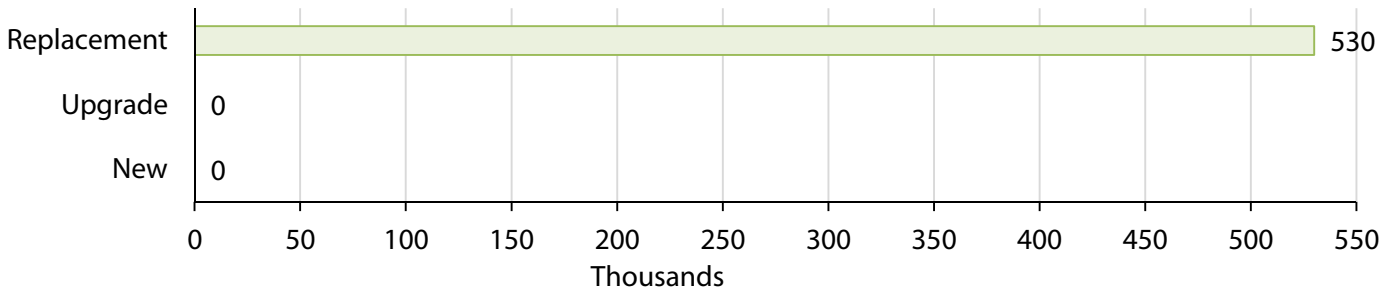


Asset Management Lifecycle Implications

Assets under Public Works - Equipment and Administration are included under Phase 1 of the Town's Asset Management Plan, with the updated version adopted in the third quarter of 2015.

Capital expenditures where the project type is identified as 'Replacement', 'Rehabilitation', or 'Upgrade' for the purpose of this document are considered to be lifecycle activities of existing assets. Expenditures on these assets contribute towards the renewal of existing assets.

2018 Total Expense by Project Type



Capital expenditures where the project type is 'New' will increase the Annual Lifecycle Requirement from their date of acquisition. The annual lifecycle requirement for these assets utilizing an estimated useful life of 10 years are:

New Asset Value	-
Estimated Useful Life	10 years
Annual Lifecycle Requirement	- per year



2018 - 2022 Capital Budget

Department: Public Works

Division: Equipment and Administration

Project Number	Project Name	Project Type	Forecast														
			2018 Budget			2019			2020			2021			2022		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
PW-18-0019	15-Ton Dump/Plow	Replacement	280,000	280,000	0												
PW-18-0028	Front End Loader	Replacement	250,000	250,000	0												
PW-19-0001	5 Ton Dump/Plow Unit #519-94	Replacement				235,000	235,000	0									
PW-19-0002	Sterling Acterra Unit #529-09	Replacement				200,000	200,000	0									
PW-19-0003	Bush Hog Mower	Replacement				20,000	20,000	0									
PW-19-0032	Pickup Truck	Replacement				35,000	35,000	0									
PW-20-0001	5-Ton Dump/Plow Unit #508-00	Replacement							220,000	220,000	0						
PW-20-0002	Air Compressor	Replacement							5,610	5,610	0						
PW-20-0003	Air Conditioner	Replacement							5,610	5,610	0						
PW-20-0004	Tractor/Grader Unit #505-86	Replacement							130,000	130,000	0						
PW-20-0005	Power Washer	Replacement							3,000	3,000	0						
PW-21-0001	Pickup Truck	Replacement										34,000	34,000	0			
PW-21-0002	Air Conditioner Tester	Replacement										2,887	2,887	0			
PW-21-0003	AVL Guidance System	Replacement										5,334	5,334	0			
PW-21-0004	Cutting/Pruning Saw	Replacement										2,500	2,500	0			
PW-21-0005	Mig Welder	Replacement										3,000	3,000	0			
PW-21-0012	15-Ton Dump/Plow	Replacement										280,000	280,000	0			
PW-22-0005	To be determined	Replacement													350,000	350,000	0
Total			530,000	530,000	0	490,000	490,000	0	364,220	364,220	0	327,721	327,721	0	350,000	350,000	0

2018 - 2021 Approved Forecast Totals	390,000	390,000	0	455,000	455,000	0	364,220	364,220	0	327,721	327,721	0
Increase/(Decrease)	140,000	140,000	0	35,000	35,000	0	0	0	0	0	0	0



2018 - 2022 Capital Budget

Department: Public Works

Division: Equipment and Administration





2018 - 2022 Capital Budget

Funded by: Property Tax Supported

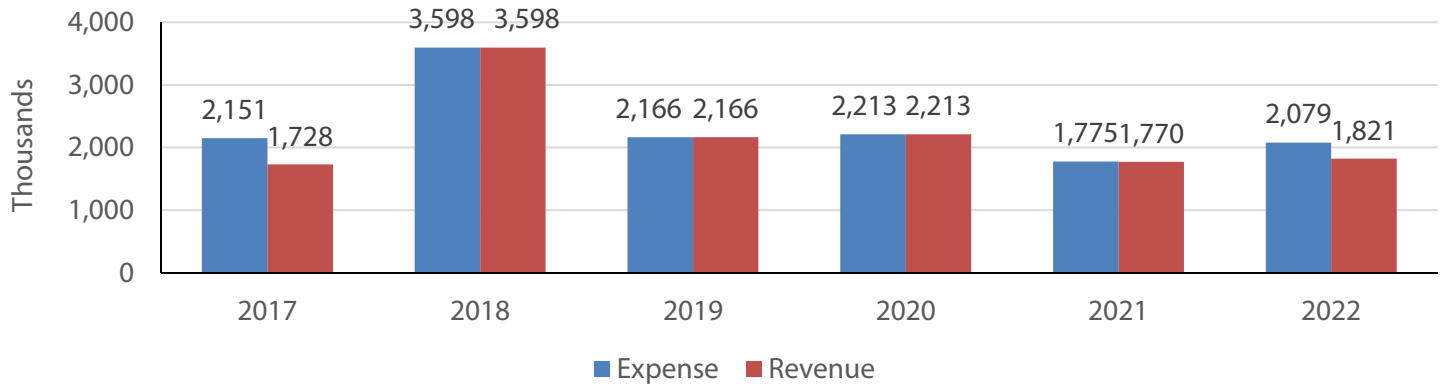
Department: Public Works

Division: Roads and Roadside

Executive Summary

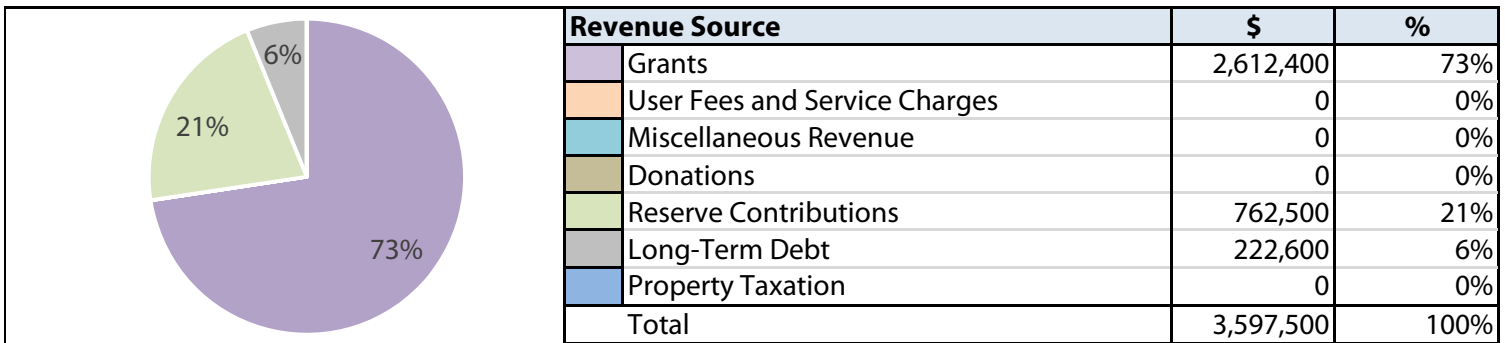
The 2018 Capital Budget for Public Works - Roads and Roadside consists of the full or partial replacement of five municipal roads.

Expense versus Revenue



Analysis of Revenue Source for 2018

For 2018 the largest funding source for Public Works - Roads and Roadside under the Capital Budget is from Grants in the amount of \$2,600,000 or 73%. Gas Tax and OCIF Formula Based at \$1.1 Million make up the largest portion of Grant funding. The remainder of this budget is funded from Contributions from Reserve of \$763,000 and Long-Term Debt of \$223,000 or 6%



Future Capital and Contributions to Reserve

The 2018 Operating Budget for Public Works - Roads and Roadside includes reserve transfers or lifecycle allocations for future capital assets related to roads and roadside in the amount of \$150,000.

Long-Term Debt (LTD) Impacts on the Operating Budget

The amount of revenue from LTD under the capital budget for Public Works - Roads and Roadside in 2018 is \$0. Future debt payments are estimated using a 5 year term and an interest rate of 1.57%.

The estimated future impact on the operating budget over an average 5 year term is \$46,500.

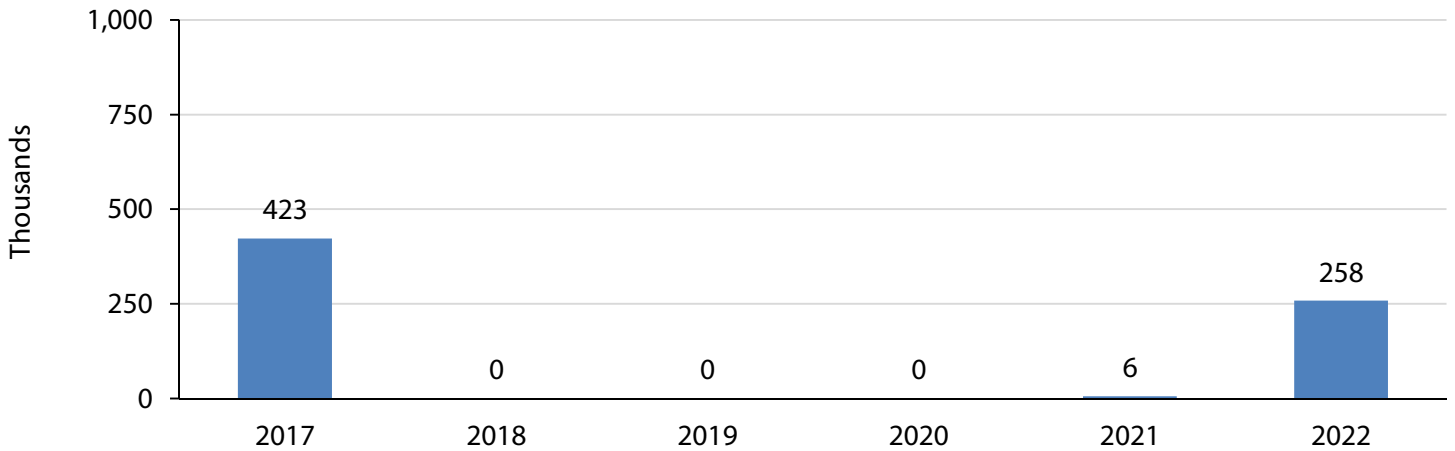


2018 - 2022 Capital Budget

Department: Public Works
 Division: Roads and Roadside

Summary			Budget	Change		Forecast			
Category	2016 Actual	2017 Budget	2018	\$	%	2019	2020	2021	2022
Expenses	3,933,065	2,151,019	3,597,500	1,446,481	67%	2,166,000	2,212,750	1,775,000	2,079,000
Revenues	2,892,084	1,728,157	3,597,500	1,869,343	108%	2,166,000	2,212,750	1,769,500	1,820,764
Net	1,040,981	422,862	0	-422,862	-100%	0	0	5,500	258,236

Net Capital Budget (2017 to 2022)

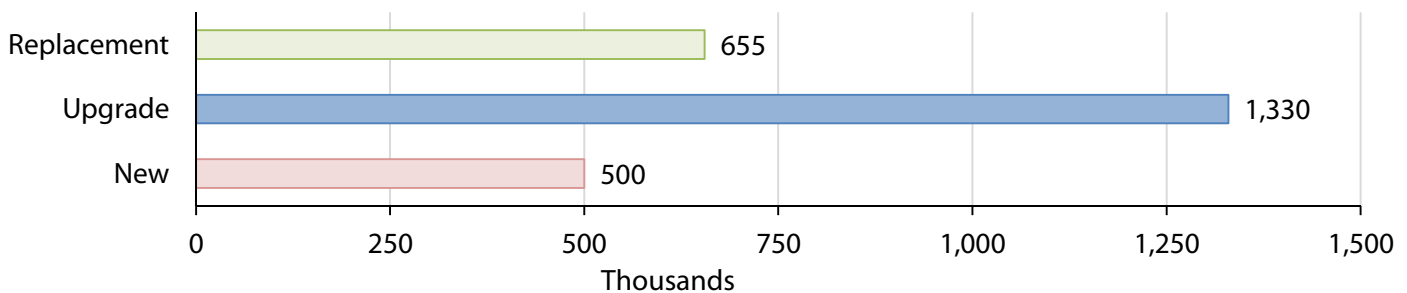


Asset Management Lifecycle Implications

Assets under Public Works - Roads and Roadside are included under Phase 1 of the Town's Asset Management Plan, with the updated version adopted in the third quarter of 2015.

Capital expenditures where the project type is identified as 'Replacement', 'Rehabilitation', or 'Upgrade' for the purpose of this document are considered to be lifecycle activities of existing assets. Expenditures on these assets contribute towards the renewal of existing assets.

2018 Total Expense by Project Type



Capital expenditures where the project type is 'New' will increase the Annual Lifecycle Requirement from their date of acquisition. The annual lifecycle requirement for these assets utilizing an estimated useful life of 10 years are:

New Asset Value	500,000
Less: Land and Studies	- 100,000
	<u>400,000</u>
Estimated Useful Life	10 years
Annual Lifecycle Requirement	40,000 per year



2018 - 2022 Capital Budget

Department: Public Works
Division: Roads and Roadside

Project Number	Project Name	Project Type	Forecast															
			2018 Budget			2019			2020			2021			2022			
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	
PW-18-0001	14th Concession between County Road 11 to Old Walker Sideroad (Base Lift)	Upgrade	53,000	53,000	0													
PW-18-0006	Overlay 6km (Approximately \$20,000/km) (Maintenance)	Replacement	120,000	120,000	0													
PW-18-0007	Craig Beach Road	Replacement	100,000	100,000	0													
PW-18-0011	North Malden Road (13th Concession and Gesto Sideroad)	Replacement	435,000	435,000	0													
PW-18-0014	Sidewalks/Trails	New	400,000	400,000	0													
PW-18-0026	8th Concession between Coulter and McCormick	Upgrade	262,500	262,500	0													
PW-18-0029	Gore Road County Road 20 to Wright Road (Maintenance)	Upgrade	294,000	294,000	0													
PW-18-0030	Gordon, Wilson (Shave and Pave)	Upgrade	120,000	120,000	0													
PW-18-0035	LAS Roads Assessment	Studies	100,000	100,000	0													
PW-18-0037	LED Conversion of Streetlights	Upgrade	600,000	600,000	0													
PW-18-0038	Ward 1 Streetlight Replacement	Replacement	1,113,000	1,113,000	0													
PW-19-0004	Queen Street North (Shave and Pave)	Replacement				150,000	150,000	0										
PW-19-0005	4th Concession between County Road 23 and McCormick	Replacement				455,000	455,000	0										
PW-19-0006	Gore Road between Wright Road and County Road 13	Replacement				341,000	341,000	0										
PW-19-0007	8th Concession between Ferriss and County Road 23	Replacement				330,000	330,000	0										
PW-19-0008	North Malden Road between Hyland and 12th Concession	Replacement				320,000	320,000	0										
PW-19-0010	Overlay 6km (Approximately \$25,000/km) (Maintenance)	Replacement				150,000	150,000	0										
PW-19-0018	Sidewalks/Trails	New				400,000	400,000	0										
PW-19-0017	Rural Streetlight Installation (Colchester Village)	New				20,000	20,000	0										
PW-20-0009	North Malden Road (County Road 15 and Walker Sideroad) (Maintenance)	Replacement							630,000	630,000	0							
PW-20-0010	Shave and Pave Miscellaneous Roads	Replacement							150,000	150,000	0							
PW-20-0011	Overlay 6km (Approximately \$25,000/km) (Maintenance)	Replacement							150,000	150,000	0							
PW-20-0012	Iler Road between County Road 20 and Huffman (Maintenance)	Replacement							281,750	281,750	0							
PW-20-0013	4th Concession between McCormick and County Road 11 (Maintenance)	Replacement							526,000	526,000	0							
PW-20-0016	Rural Streetlight Installation (Colchester Village)	New							25,000	25,000	0							
PW-20-0017	Sidewalks/Trails	New							450,000	450,000	0							
PW-21-0009	North Malden Road (County Road 15 and Walker Sideroad)	Replacement										440,000	440,000	0				
PW-21-0013	Overlay 6km (Approximately \$25,000/km) (Maintenance)	Replacement										150,000	150,000	0				
PW-21-0014	Shave and Pave Miscellaneous Roads	Replacement										150,000	150,000	0				
PW-21-0023	4th Concession between County Road 11 and Drummond	Replacement										450,000	450,000	0				
PW-21-0007	Sidewalks/Trails	New										450,000	450,000	0				
PW-21-0008	Rural Streetlight Installation	New										25,000	19,500	5,500				
PW-21-0024	Erie Blue (Beach Road)	Replacement										110,000	110,000	0				
PW-22-0004	North Malden Road between Tremblay and County Road 11	Replacement													264,000	264,000	0	
PW-22-0006	Overlay 6km (Approximately \$25,000/km) (Maintenance)	Replacement													150,000	150,000	0	
PW-22-0007	4th Concession between County Road 11 and Drummond	Replacement													390,000	390,000	0	
PW-22-0008	Shave and Pave Miscellaneous Roads	Replacement													200,000	200,000	0	
PW-22-0009	Miscellaneous Roadwork (Maintenance)	Replacement													500,000	500,000	0	
PW-22-0010	Twin Gables (Beach Road)	Replacement													100,000	100,000	0	
PW-22-0011	Sidewalks/Trails	New													450,000	197,264	252,736	
PW-22-0012	Rural Streetlight Installation	New													25,000	19,500	5,500	
Total			3,597,500	3,597,500	0	2,166,000	2,166,000	0	2,212,750	2,212,750	0	1,775,000	1,769,500	5,500	2,079,000	1,820,764	258,236	

2018 - 2021 Approved Forecast Totals 1,802,673 1,782,673 20,000 1,650,000 1,639,976 10,024 1,767,000 1,535,906 231,094 2,002,000 1,602,000 400,000
 Increase/(Decrease) 1,794,827 1,814,827 -20,000 516,000 526,024 -10,024 445,750 676,844 -231,094 -227,000 167,500 -394,500



2018 - 2022 Capital Budget

Department: Public Works

Division: Roads and Roadside





2018 - 2022 Capital Budget

Funded by: Property Tax Supported

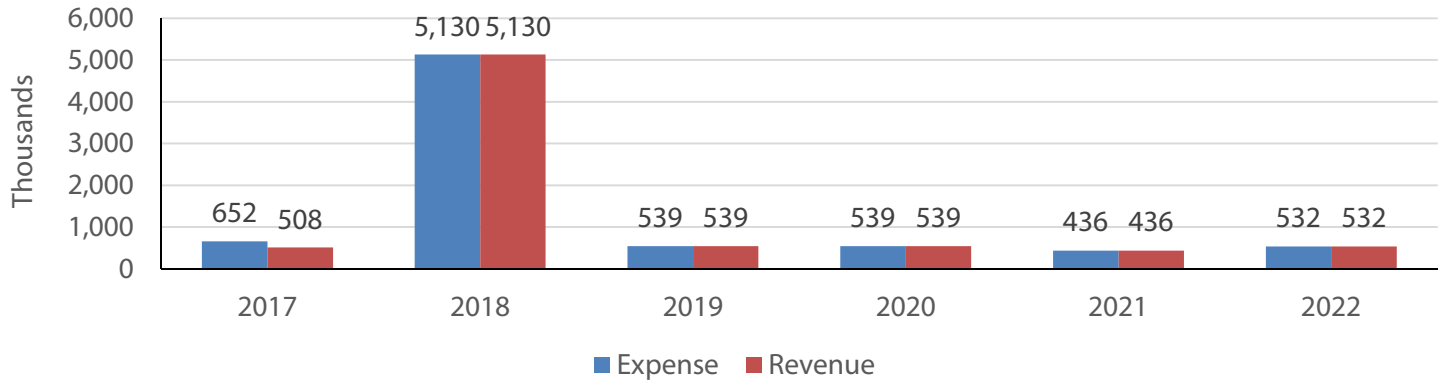
Department: Public Works

Division: Stormwater Management

Executive Summary

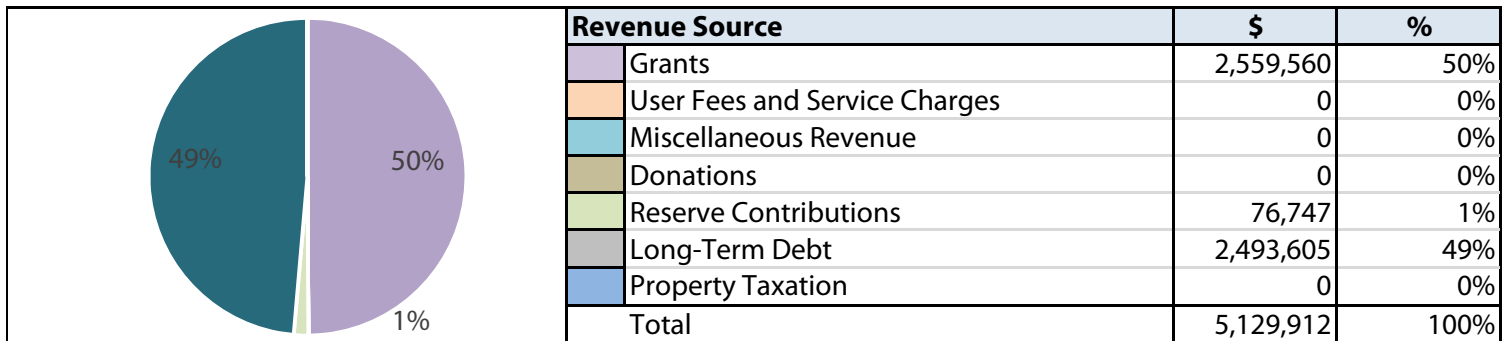
The 2018 Capital Budget for Public Works - Stormwater Management consists of rehabilitation work to six bridges or culverts within the Municipality in the form of either engineering or construction.

Expense versus Revenue



Analysis of Revenue Source for 2018

For 2018 the largest funding source for Public Works - Stormwater Management is funded from Long-Term Debt at 49% or \$2,500,000. The remainder of this budget is funded from Grants at \$2,600,000 or 50% and Contributions from Reserve in the amount of \$77,000 or 1%.



Future Capital and Contributions to Reserve

The 2017 Operating Budget for Corporate Services includes a reserve transfer or lifecycle allocation for future capital assets - Stormwater Management in the amount of \$0.

Long-Term Debt (LTD) Impacts on the Operating Budget

The amount of revenue from LTD under the capital budget for Public Works - Stormwater in 2018 is \$0. Future debt payments are estimated using an average 10 year term and an interest rate of 1.57%.

The estimated future impact on the operating budget over an average 10 year term is \$0.

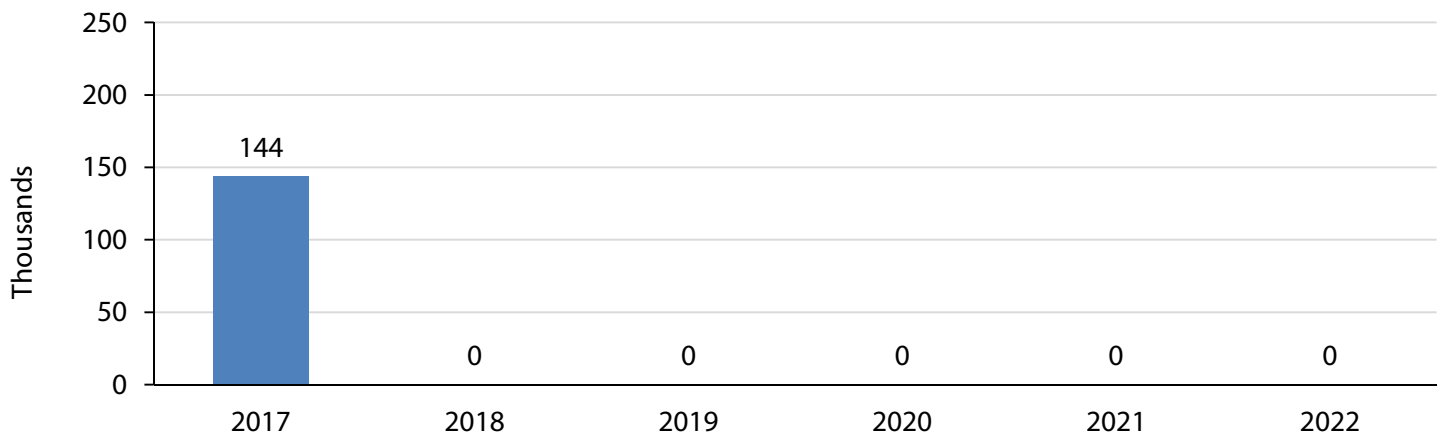


2018 - 2022 Capital Budget

Department: Public Works
 Division: Stormwater Management

Summary			Budget	Change		Forecast			
Category	2016 Actual	2017 Budget	2018	\$	%	2019	2020	2021	2022
Expenses	1,054,404	651,500	5,129,912	4,478,412	687%	539,000	539,000	436,000	532,000
Revenues	683,795	507,500	5,129,912	4,622,412	911%	539,000	539,000	436,000	532,000
Net	370,609	144,000	0	-144,000	-100%	0	0	0	0

Net Capital Budget (2017 to 2022)

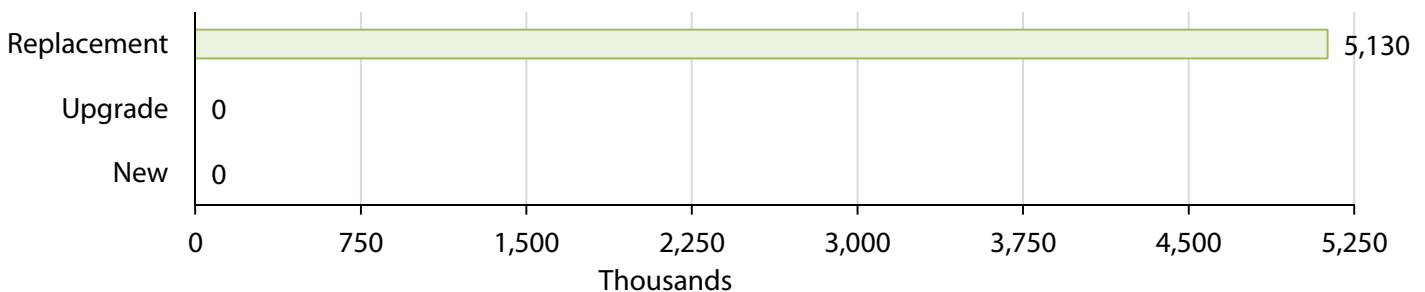


Asset Management Lifecycle Implications

Assets under Public Works - Stormwater Management are included under Phase 1 of the Town's Asset Management Plan, with the updated version adopted in the third quarter of 2015.

Capital expenditures where the project type is identified as 'Replacement', 'Rehabilitation', or 'Upgrade' for the purpose of this document are considered to be lifecycle activities of existing assets. Expenditures on these assets contribute towards the renewal of existing assets.

2018 Total Expense by Project Type



Capital expenditures where the project type is 'New' will increase the Annual Lifecycle Requirement from their date of acquisition. The annual lifecycle requirement for these assets utilizing an estimated useful life of 10 years are:

New Asset Value	-
Estimated Useful Life	10 years
Annual Lifecycle Requirement	- per year



2018 - 2022 Capital Budget

Department: Public Works
 Division: Stormwater Management

Project Number	Project Name	Project Type	Forecast														
			2018 Budget			2019			2020			2021			2022		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
PW-18-0024	3rd Concession and Suffolk Culvert 200203 (Engineering)	Replacement	25,000	25,000	0												
PW-18-0016	Engineering for Various Bridges and Culverts	Replacement	40,000	40,000	0												
PW-18-0031	14th Concession and Hyland Road Bridge 103301 (Construction)	Replacement	80,000	80,000	0												
PW-18-0032	South Malden Road and 9th Concession Bridge 103903 (Construction)	Replacement	60,000	60,000	0												
PW-18-0033	5th Concession and McCormick Bridge 200404 (Construction)	Replacement	115,000	115,000	0												
PW-18-0034	4th Concession and Drummond (Construction) Bridge 200302	Replacement	250,000	250,000	0												
PW-18-0036	Ward 1 Storm Improvements	Replacement	4,559,912	4,559,912	0												
PW-19-0025	Engineering for Various Bridges and Culverts	Replacement				40,000	40,000	0									
PW-19-0033	3rd Concession and Suffolk Road Culvert 200203	Replacement				499,000	499,000	0									
PW-20-0018	South Malden Road and Mole Sideroad Bridge 103904	Replacement							175,000	175,000	0						
PW-20-0021	Engineering for Various Bridges and Culverts	Replacement							25,000	25,000	0						
PW-20-0030	McCormick Sideroad and 14th Concession Culvert 208002 (Construction)	Replacement							160,000	160,000	0						
PW-20-0031	Coulter Sideroad Bridge 102205	Replacement							179,000	179,000	0						
PW-21-0011	Engineering for Various Bridges and Culverts	Replacement										50,000	50,000	0			
PW-21-0017	Pinkerton and 14th Concession Bridge 105302	Replacement										106,000	106,000	0			
PW-21-0018	3rd Concession and County Road 23 Bridge 200204	Replacement										55,000	55,000	0			
PW-21-0019	Bridge 200500	Replacement										38,000	38,000	0			
PW-21-0020	6th Concession and Marsh Bridge 200501	Replacement										37,000	37,000	0			
PW-21-0021	Ferris Road and 4th Concession Bridge 204004	Replacement										112,000	112,000	0			
PW-21-0022	12th Concession and County Road 11 Bridge 100302	Replacement										38,000	38,000	0			
PW-22-0001	4th Concession and McLean Bridge 200303	Replacement													235,000	235,000	0
PW-22-0002	5th Concession and McCormick Bridge 200403	Replacement													257,000	257,000	0
PW-22-0003	Engineering for Various Bridges and Culverts	Replacement													40,000	40,000	0
Total			5,129,912	5,129,912	0	539,000	539,000	0	539,000	539,000	0	436,000	436,000	0	532,000	532,000	0

2018 - 2021 Approved Forecast Totals	735,877	735,877	0	679,500	679,500	0	549,000	549,000	0	719,500	719,500	0
Increase/(Decrease)	4,394,035	4,394,035	0	-140,500	-140,500	0	-10,000	-10,000	0	-283,500	-283,500	0



2018 - 2022 Capital Budget

Department: Public Works

Division: Stormwater Management





2018 - 2022 Capital Budget

Funded by: Property Tax Supported

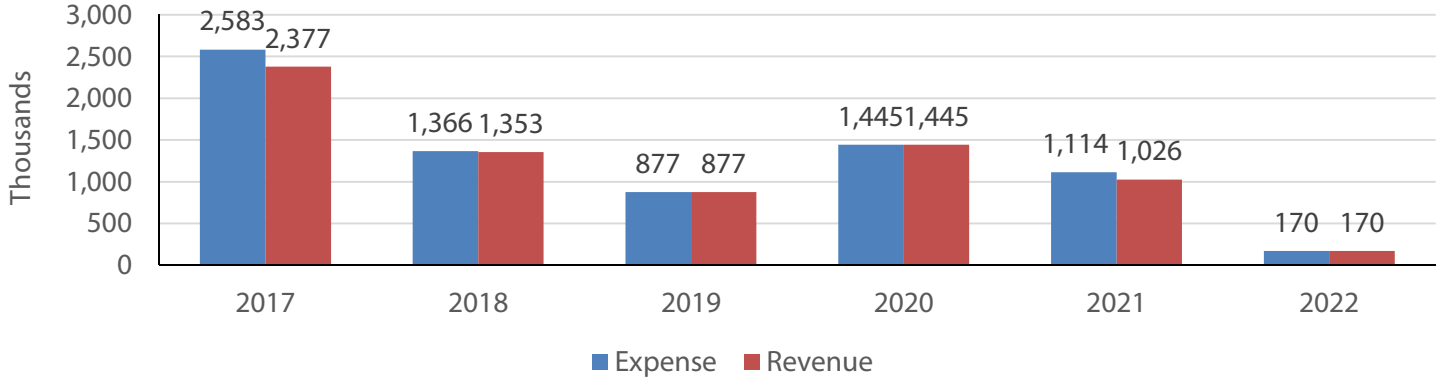
Department: Community Services

Division: Arenas, Community Centres, Harbour, Miscellaneous Recreation, Parks, Sports Fields

Executive Summary

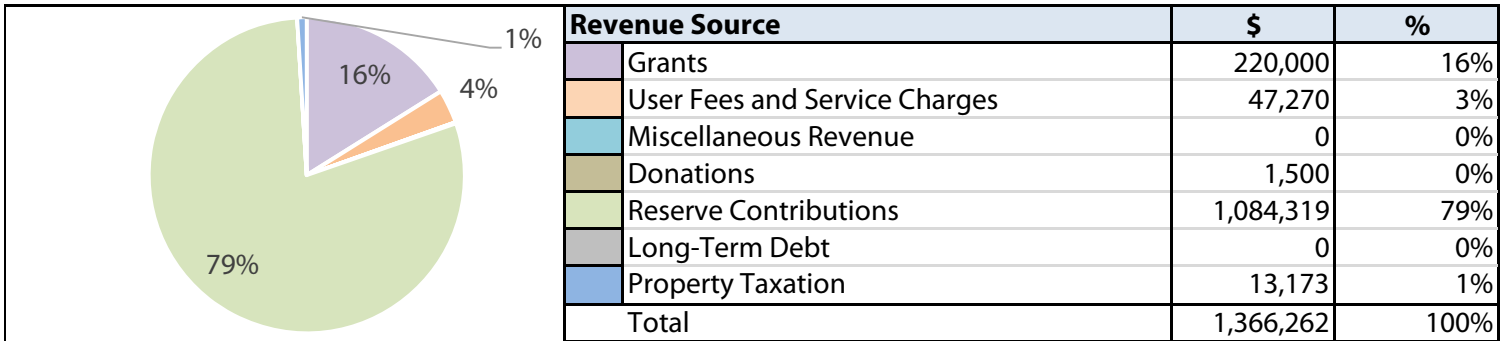
The 2018 Capital Budget for Community Services consists of upgrades and repairs to buildings, the acquisition of various pieces of machinery and equipment, and the construction of an accessible ramp at Colchester Beach.

Expense versus Revenue



Analysis of Revenue Source for 2018

For 2018 the largest funding source for Community Services under the Capital Budget is from Reserve Contributions at \$1,100,000 or 79%. The second largest funding source is from Grants at \$220,000 or 18%. Property Taxation makes up \$13,000 or 1% of the funding. The remaining funding includes donations and contributions from the school board for capital projects located at the Essex Recreation Complex, and Amherstburg's contribution to Capital at Co-An Park.



Future Capital and Contributions to Reserve

The 2018 Operating Budget for Community Services includes reserve transfers or lifecycle allocations for future capital assets under each of its respective divisions. Contributions to Reserve for 2018 under the Community Services department are budgeted at \$688,000.

Long-Term Debt (LTD) Impacts on the Operating Budget

The amount of revenue from LTD under the capital budget for Community Services in 2018 is \$0. Future debt payments are estimated using an average 10 year term and an interest rate of 1.57%.

The estimated future impact on the operating budget over an average 10 year term is \$0.

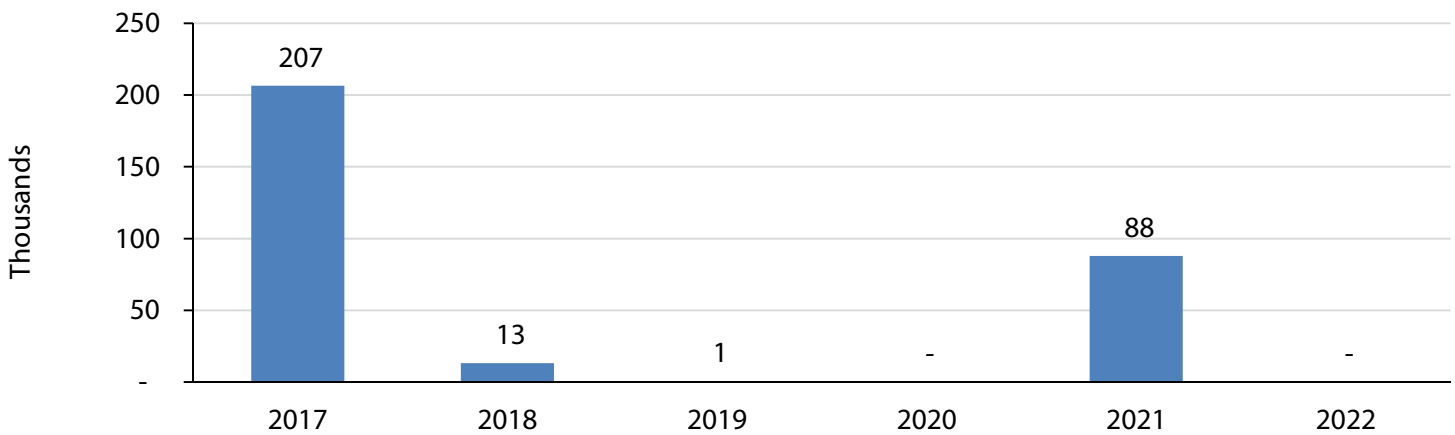


2018 - 2022 Capital Budget

Department: Community Services
 Division: Arenas, Community Centres, Harbour, Miscellaneous Recreation, Parks, Sports Fields

Summary			Budget	Change		Forecast			
Category	2016 Actual	2017 Budget	2018	\$	%	2019	2020	2021	2022
Expenses	2,060,110	2,583,418	1,366,262	-1,217,156	-47%	877,329	1,444,974	1,114,381	169,599
Revenues	887,866	2,376,866	1,353,089	-1,023,777	-43%	876,829	1,444,974	1,026,481	169,599
Net	1,172,243	206,552	13,173	-193,379	-94%	500	0	87,900	0

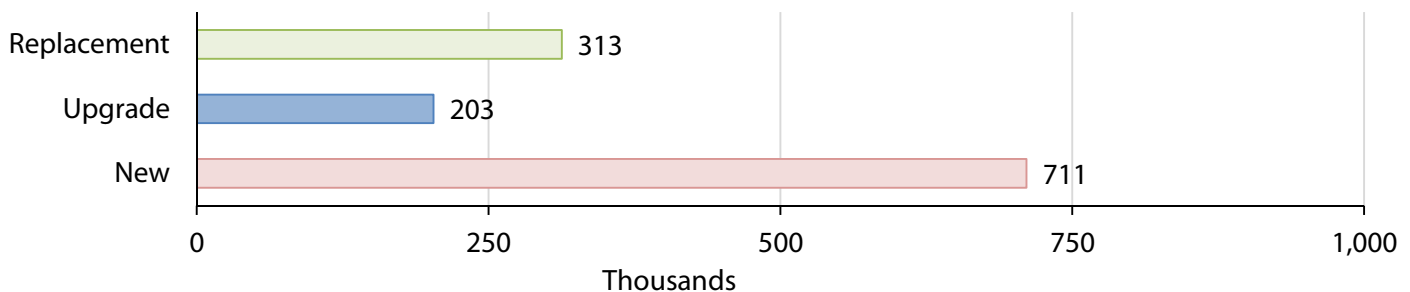
Net Capital Budget (2017 to 2022)



Asset Management Lifecycle Implications

Assets under Community Services are included in Phase 2 of the Town's Asset Management Plan, which was adopted Capital expenditures where the project type is identified as 'Replacement', 'Rehabilitation', or 'Upgrade' for the purpose of this document are considered to be lifecycle activities of existing assets. Expenditures on these assets contribute towards the renewal of existing assets.

2018 Total Expense by Project Type



Capital expenditures where the project type is 'New' (with the exception of land and studies) will increase the Annual Lifecycle Requirement from their date of acquisition. The annual lifecycle requirement for these assets utilizing an estimated useful life of 10 years are:

New Asset Value	710,729
Less: Land and Studies	0
	<u>710,729</u>
Estimated Useful Life	10 years
Annual Lifecycle Requirement	71,073 per year



2018 - 2022 Capital Budget

Department: Community Services

Division: Arenas, Community Centres, Harbour, Miscellaneous Recreation, Parks

Project Number	Project Name	Project Type	Forecast														
			2018 Budget			2019			2020			2021			2022		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
CS-18-0001	Ball Diamond Rehabilitation (Annual)	Replacement	15,000	15,000	0												
CS-18-0002	Soccer Field Upgrades	Upgrade	15,000	15,000	0												
CS-18-0008	Slide Stairwell Rehabilitation	Replacement	9,965	9,965	0												
CS-18-0009	Pool Lift Replacement	Replacement	8,304	8,304	0												
CS-18-0010	Lap Pool Pump Replacement	Replacement	3,500	3,500	0												
CS-18-0020	Power Washer at Twin Pad	Replacement	6,700	6,700	0												
CS-18-0024	Roof Replacement over Gym at Essex Community Centre	Replacement	89,000	89,000	0												
CS-18-0026	Toilet Sensors at Essex Community Centre	Upgrade	11,000	11,000	0												
CS-18-0027	Streetlight Refurbishing in Essex Centre	Replacement	25,000	25,000	0												
CS-18-0028	Float B Dock Repairs	Replacement	26,532	26,532	0												
CS-18-0030	Pickup Truck Unit #857-04	Replacement	40,000	40,000	0												
CS-18-0040	Replace Rink Netting at Harrow Centre Sports Complex	Replacement	7,671	7,671	0												
CS-18-0042	New Toro	New	84,000	83,700	300												
CS-18-0045	New Panel Van	New	48,729	43,856	4,873												
CS-18-0046	Planters for Heritage Gardens and Sadler's Park	Upgrade	5,000	5,000	0												
CS-18-0049	Splashpad and Change House in Essex Centre	New	350,000	350,000	0												
CS-18-0050	Train Station Upgrades	Upgrade	88,200	88,200	0												
CS-18-0051	Two (2) New Benches and Cement Pads for Bridlewood Park	Upgrade	3,800	3,800	0												
CS-18-0052	Pickup Truck Unit #855-03	Replacement	40,000	40,000	0												
CS-18-0053	Stanton Park Drainage	Upgrade	15,500	15,500	0												
CS-18-0054	Harbour Stairs	Replacement	35,000	35,000	0												
CS-18-0055	Construction and Installation of 2-Way Glass Wall for Huron Road	Upgrade	9,500	9,500	0												
CS-18-0056	Essex Centre Sports Complex Chiller Equipment Upgrades	Upgrade	24,416	24,416	0												
CS-18-0057	Essex Centre Sports Complex Pylon Sign Letter Replacement	Replacement	6,000	6,000	0												
CS-18-0058	Covered Shelter for Garbage Bins at Harbour	New	8,000	0	8,000												
CS-18-0061	Colchester Beach Accessible Ramp Access	New	220,000	220,000	0												
CS-18-0062	Install Heat at Pole Barn in Essex Centre	Upgrade	15,000	15,000	0												
CS-18-0063	LED Lights at Essex Recreation Complex	Upgrade	15,445	15,445	0												
CS-18-0064	Roof Replacement over Essex Library	Replacement	110,000	110,000	0												
CS-18-0065	Replace 3 New Rooftop Units at Essex Library	Replacement	23,000	23,000	0												
CS-18-0066	Entrance of Essex Library Replacement	Replacement	7,000	7,000	0												
CS-19-0001	Ball Diamond Rehabilitation (Annual)	Replacement				15,000	15,000	0									
CS-19-0002	Soccer Field Upgrades	Upgrade				15,000	15,000	0									
CS-19-0008	Replace 846-09 John Deere HPX Diesel Gator	Replacement				29,000	29,000	0									
CS-19-0012	Pool Controller Replacement	Replacement				7,755	7,755	0									
CS-19-0013	15-HP Pump Replacement at Essex Recreation Complex	Replacement				3,500	3,500	0									
CS-19-0017	Replace Kubota Zero Turn Mower	Replacement				7,500	7,500	0									
CS-19-0020	Replace Gas Pump at Harbour	Replacement				8,884	8,884	0									
CS-19-0021	Wireless Radio Upgrade at Essex Recreation Complex	Upgrade				10,405	10,405	0									
CS-19-0025	Upgrade Outdoor Washrooms at Fieldhouse (Accessible)	Replacement				30,000	30,000	0									
CS-19-0029	Concrete Tables Replacement at Harbour	Replacement				4,742	4,742	0									
CS-19-0030	Sliding Accessible Doors to Dressing Rooms at Harrow Centre	Replacement				10,000	10,000	0									
CS-19-0032	Colchester Schoolhouse Upgrades (carry forward CS-16-0049)	Upgrade				75,000	75,000	0									
CS-19-0035	Harrow Splashpad Controller Reprogram for Potable Water Bypass	Upgrade				5,000	5,000	0									
CS-19-0036	Bridlewood Pavillion Upgrades	Upgrade				15,000	15,000	0									
CS-19-0038	Fence around Harrow Tennis Court	Replacement				11,300	11,300	0									
CS-19-0040	Automatic Floor Scrubber Replacement at Harrow Centre Sports Complex	Replacement				7,022	7,022	0									
CS-19-0041	Power Washer for Dressing Room Replacement at Harrow	Replacement				3,058	3,058	0									



2018 - 2022 Capital Budget

Department: Community Services

Division: Arenas, Community Centres, Harbour, Miscellaneous Recreation, Parks

Project Number	Project Name	Project Type	Forecast														
			2018 Budget			2019			2020			2021			2022		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
CS-19-0042	LED Screen Replacement at Essex Recreation Complex	Replacement				10,238	10,238	0									
CS-19-0044	Field Sprayer (Laser) Replacement for Harrow Soccer Complex	Replacement				2,600	2,600	0									
CS-19-0046	HVAC Replacement in Gym at Essex Community Centre	Replacement				22,500	22,500	0									
CS-19-0047	Manual Flushometers at Harrow Soccer Park	Upgrade				3,000	3,000	0									
CS-19-0049	2 New Lights on Path from McKeown to Sadler's Park	New				30,000	29,500	500									
CS-19-0051	Sliding Accessible Entrance Doors (2 Sets) at Essex Centre Sports Complex	Replacement				35,000	35,000	0									
CS-19-0053	Phase 3 of Parking Lot at Essex Centre Sports Complex	Upgrade				157,000	157,000	0									
CS-19-0054	Replace 4-Wheel Drive Kioti at Harrow Soccer Complex	Upgrade				51,000	51,000	0									
CS-19-0055	Lights at Essex Diamond 1	Upgrade				59,326	59,326	0									
CS-19-0056	Renovate Old Poolhouse	Upgrade				100,000	100,000	0									
CS-19-0059	Replace Rubber at Colchester Playground	Replacement				40,000	40,000	0									
CS-19-0060	New Signage Shared with Essex Library	Replacement				30,000	30,000	0									
CS-19-0061	Remove, Supply and Install Tiles in Various Rooms at Essex Recreation Complex	Replacement				60,000	60,000	0									
CS-19-0062	Replace Pool Starting Blocks	Replacement				18,500	18,500	0									
CS-20-0001	Ball Diamond Rehabilitation (Annual)	Replacement							15,000	15,000	0						
CS-20-0002	Soccer Field Upgrades	Upgrade							15,000	15,000	0						
CS-20-0004	Acidwash lap pool deck, viewing area, and change room tiles at Essex Recreation Complex	Replacement							6,627	6,627	0						
CS-20-0005	Dehumidifier Replacement at Essex Recreation Complex	Replacement							75,000	75,000	0						
CS-20-0006	Stainless Steel Railing Replacement at Essex Recreation Complex	Replacement							4,826	4,826	0						
CS-20-0007	Float B - 30 Finger Docks Replacement	Replacement							148,059	148,059	0						
CS-20-0009	Upgrade Lighting at Harbour	Upgrade							14,288	14,288	0						
CS-20-0011	Tennis Court Rehabilitation in Co-An Park	Replacement							24,982	24,982	0						
CS-20-0014	Retaining Wall	Upgrade							38,533	38,533	0						
CS-20-0016	Canopy Roof Restoration at Essex Recreation Complex	Replacement							15,000	15,000	0						
CS-20-0019	Unit 810-10 Ford F150 Replacement	Replacement							40,000	40,000	0						
CS-20-0020	Replace 2011 Kioti Tractor (Asset 24068)	Replacement							40,000	40,000	0						
CS-20-0021	Ventilation in Mechanical Room at McGregor Community Centre	Upgrade							3,500	3,500	0						
CS-20-0024	Backup Filter Pump Motor Replacement at Essex Recreation Complex	Replacement							2,910	2,910	0						
CS-20-0025	Tennis Court Rehabilitation in Harrow Centre	Replacement							97,080	97,080	0						
CS-20-0032	Relocate Pavillion at Sadler's Park	Replacement							8,000	8,000	0						
CS-20-0033	New Leaf and Turf Vacuum	Replacement							15,000	15,000	0						
CS-20-0034	Colchester Building Upper Parking Lot	Upgrade							200,000	200,000	0						
CS-20-0035	Infielder for Harrow and Essex Parks	Upgrade							26,000	26,000	0						
CS-20-0036	In-Ground Waste Management Containers (8)	Upgrade							9,373	9,373	0						
CS-20-0037	Paved Driveway at Co-An Park	Upgrade							38,796	38,796	0						
CS-20-0038	Ice Resurfacer at Harrow Centre Sports Complex	Replacement							85,000	85,000	0						
CS-20-0039	Roof Restoration at Fieldhouse	Replacement							37,000	37,000	0						
CS-20-0040	Dugouts at Harrow Diamonds	New							15,000	15,000	0						
CS-20-0041	Pave Lot at Colchester Park (next to Frosty's)	Upgrade							160,000	160,000	0						
CS-20-0042	Tennis Courts in Essex	New							240,000	240,000	0						
CS-20-0043	Essex Centre Sports Complex Dressing Room Floor Upgrade	Upgrade							25,000	25,000	0						
CS-20-0044	Replace Rubber Tiles in Two Dressing Rooms and the Main Hall of the Libro Rink at Essex Centre Sports Complex	Replacement							45,000	45,000	0						



2018 - 2022 Capital Budget

Department: Community Services

Division: Arenas, Community Centres, Harbour, Miscellaneous Recreation, Parks

Project Number	Project Name	Project Type	Forecast														
			2018 Budget			2019			2020			2021			2022		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
CS-21-0001	Replace Ice Resurfacers 850-00 at Essex Centre Sports Complex	Replacement										92,000	92,000	0			
CS-21-0002	Replace Skate Sharpener at Harrow Centre Sports Complex	Replacement										10,875	10,875	0			
CS-21-0003	Replace Battery Operated Ice Edger at Harrow Centre Sports Complex	Replacement										5,147	5,147	0			
CS-21-0004	Replace Rink Netting at Essex Centre Sports Complex	Replacement										25,000	25,000	0			
CS-21-0005	Replace Ice Edger at Essex Centre Sports Complex	Replacement										5,217	5,217	0			
CS-21-0006	Top Coat for Parking Lot at Essex Centre Sports Complex	Replacement										196,932	196,932	0			
CS-21-0007	Replace Heater Units and Switch in gym at Essex Community Centre	Replacement										3,289	3,289	0			
CS-21-0008	Replace Chair Lift at McGregor Community Centre	Replacement										1,654	1,654	0			
CS-21-0009	Wireless Upgrade at McGregor Community Centre	Upgrade										13,441	13,441	0			
CS-21-0010	Replace Tilt Shower Commode at Essex Recreation Complex	Replacement										1,628	1,628	0			
CS-21-0012	Exterior Signage at Essex Recreation Complex	Replacement										3,829	3,829	0			
CS-21-0013	Replace Pump for Lap Pool at Essex Recreation Complex	Replacement										3,049	3,049	0			
CS-21-0014	Replace Intercom/PA System at Essex Recreation Complex	Replacement										2,386	2,386	0			
CS-21-0015	New Tile in Showers at Essex Recreation Complex	Replacement										6,609	6,609	0			
CS-21-0016	Ball Field Finisher	Replacement										1,617	1,617	0			
CS-21-0019	Ball Diamond Rehabilitation (Annual)	Replacement										15,000	15,000	0			
CS-21-0020	Soccer Park Rehabilitation (Annual)	Replacement										15,000	15,000	0			
CS-21-0021	Pickup Truck	Replacement										35,000	35,000	0			
CS-21-0022	New Picnic Tables for Parks	Replacement										15,000	15,000	0			
CS-21-0023	Buoys for Harbour	Replacement										3,396	3,396	0			
CS-21-0026	Folding Tables for Jackson Park	New										8,000	0	8,000			
CS-21-0028	Expansion Float and Brine Pump Replacement at Essex Centre Sports Complex	Replacement										3,956	3,956	0			
CS-21-0029	Projector and Screen Replacement at Essex Centre Sports	Replacement										4,344	4,344	0			
CS-21-0030	Replace Dishwasher at McGregor Community Centre	Replacement										3,640	3,640	0			
CS-21-0032	Dock Scrubber Replacement	Replacement										2,355	2,355	0			
CS-21-0038	Replace Lights on Towers at Co-An Park	Replacement										30,000	30,000	0			
CS-21-0039	Replace 844-09 Toro Mower	Replacement										81,000	81,000	0			
CS-21-0040	Cement Walkway into Stanton Park	New										26,000	26,000	0			
CS-21-0041	Condenser Replacement at Harrow Centre Sports Complex	Replacement										57,792	57,792	0			
CS-21-0042	Ice Maintenance Laser Level	Replacement										10,000	10,000	0			
CS-21-0043	New Public Washrooms/Change Room at Harrow Splash Pad	New										150,000	120,100	29,900			
CS-21-0034	Sadler's Park Power Pedestals	New										50,000	0	50,000			
CS-21-0035	Automatic Door Replacement at Essex Centre Sports Complex	Replacement										30,432	30,432	0			
CS-21-0036	Skateboard Ramp Replacement in Harrow	Replacement										43,781	43,781	0			
CS-21-0037	Replace Skateboard Ramp in Essex Centre	Replacement										43,511	43,511	0			
CS-21-0044	Replace Rubber Tiles in Two Dressing Rooms and in the Main Hall of Libro Rink	Replacement										45,000	45,000	0			
CS-21-0045	Parks Outdoor Tools and Equipment	New										12,500	12,500	0			
CS-21-0046	Parks Equipment Upgrades	Upgrade										28,000	28,000	0			
CS-21-0047	Top Dresser for Sports Fields	New										28,000	28,000	0			
CS-22-0001	Fence in All-Purpose Room at Essex Recreation Complex	Replacement													1,759	1,759	0
CS-22-0002	Replace Rubber Tiles in Two Dressing Rooms at Essex Centre Sports Complex	Replacement													28,000	28,000	0
CS-22-0003	Upgrade Lighting to LED at Essex Centre Sports Complex (Libro Rink)	Upgrade													40,000	40,000	0
CS-22-0004	Boiler Equipment Upgrades at Essex Centre Sports Complex	Upgrade													32,000	32,000	0



2018 - 2022 Capital Budget

Department: Community Services

Division: Arenas, Community Centres, Harbour, Miscellaneous Recreation, Parks

Project Number	Project Name	Project Type	Forecast																
			2018 Budget			2019			2020			2021			2022				
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net		
CS-22-0005	Boiler Equipment Upgrades at Essex Centre Sports Complex	Upgrade															28,840	28,840	0
CS-22-0006	Parking Lot Upgrades at Essex Centre Sports Complex	Upgrade															30,000	30,000	0
CS-22-0007	Roof Upgrades at Essex Centre Sports Complex	Upgrade															9,000	9,000	0
Total			1,366,262	1,353,089	13,173	877,329	876,829	500	1,444,974	1,444,974	0	1,114,381	1,026,481	87,900	169,599	169,599	0	0	0

2018 - 2021 Approved Forecast Totals	867,902	834,366	33,536	773,829	738,829	35,000	1,374,974	1,279,974	95,000	1,002,640	843,640	159,000
Increase/(Decrease)	498,360	518,723	-20,363	103,500	138,000	-34,500	70,000	165,000	-95,000	111,741	182,841	-71,100





2018 - 2022 Capital Budget

Funded by: Property Tax Supported

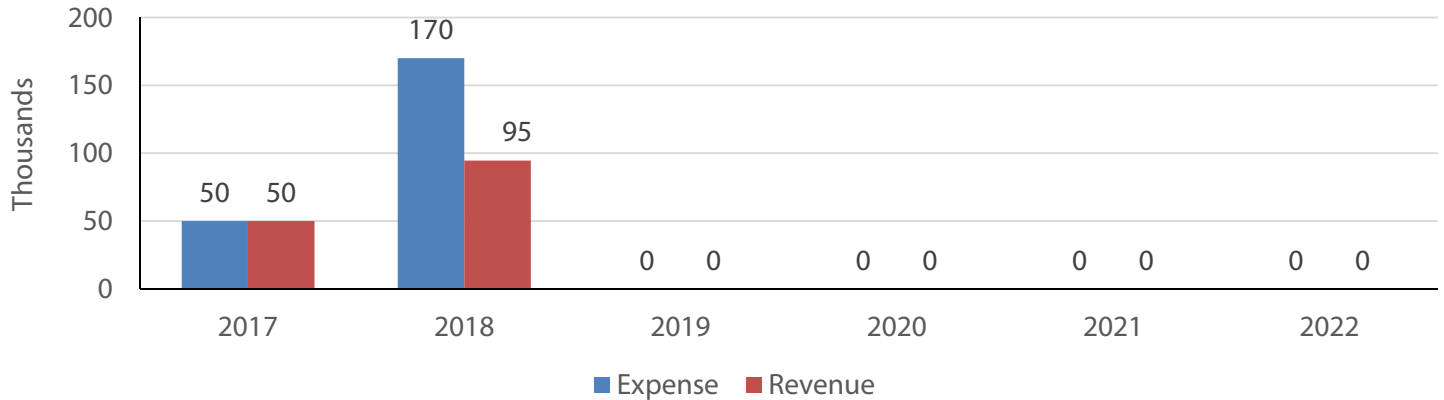
Department: Planning and Development

Division: Planning and Zoning

Executive Summary

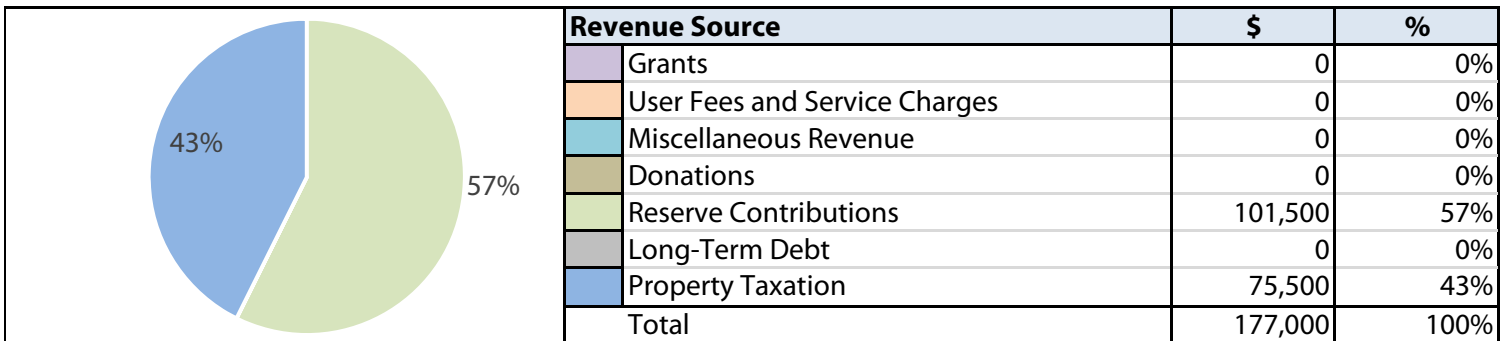
The 2018 Capital Budget for Planning and Development - Planning and Zoning consists of two studies. They are the Development Charge Study and Development Standards Manual review. It also includes the replacement of Ward 1 Streetlights.

Expense versus Revenue



Analysis of Revenue Source for 2018

For 2018 the largest funding source for Planning and Development - Planning and Zoning under the Capital Budget is Reserve contributions in the amount of \$102,000 or 57% and Property Taxation at \$76,000 or 43% make up the balance of the funding.



Future Capital and Contributions to Reserve

The 2018 Operating Budget for Planning and Development - Planning and Zoning does not include any transfers to reserve or lifecycle contributions for future capital.

Long-Term Debt (LTD) Impacts on the Operating Budget

The amount of revenue from LTD under the capital budget for Planning and Development - Planning and Zoning in 2018 is \$0. Future debt payments are estimated using an average 5 year term and an interest rate of 1.57%.

The estimated future impact on the operating budget over an average 5 year term is \$46,500.

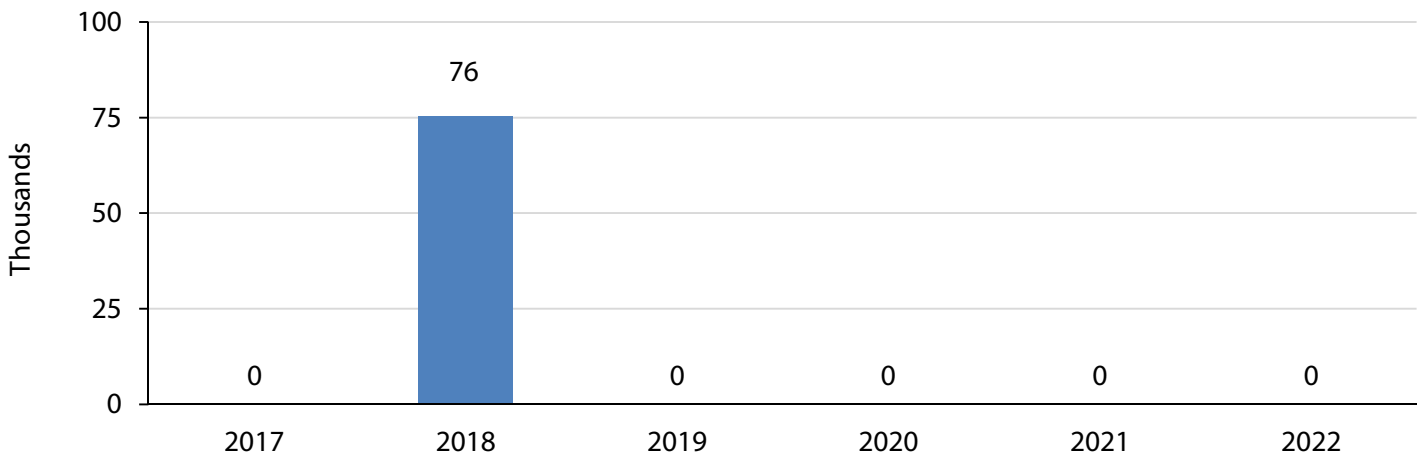


2018 - 2022 Capital Budget

Department: Planning and Development
 Division: Planning and Zoning

Summary			Budget	Change		Forecast			
Category	2016 Actual	2017 Budget	2018	\$	%	2019	2020	2021	2022
Expenses	0	50,000	170,000	120,000	240%	0	0	0	0
Revenues	0	50,000	94,500	44,500	89%	0	0	0	0
Net	0	0	75,500	75,500	100%	0	0	0	0

Net Capital Budget (2017 to 2022)

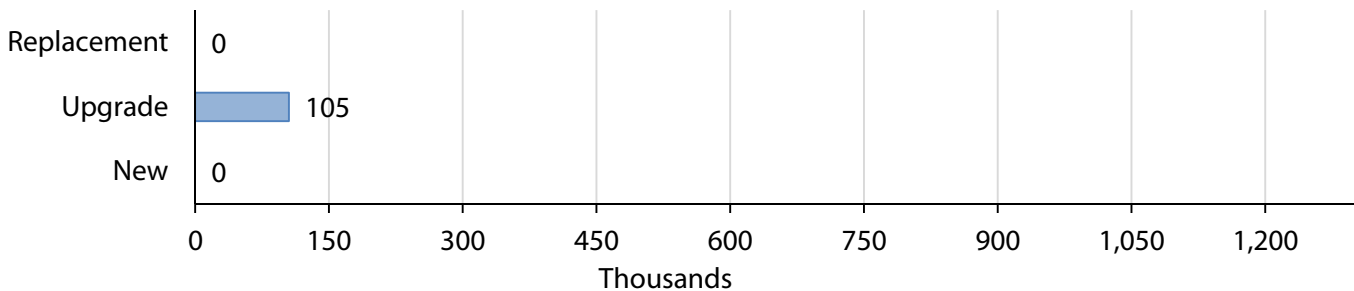


Asset Management Lifecycle Implications

Assets under Planning and Development - Planning and Zoning are included in Phase 2 of the Town's Asset Management Plan, which was adopted March 27, 2017.

Capital expenditures where the project type is identified as 'Replacement', 'Rehabilitation', or 'Upgrade' for the purpose of this document are considered to be lifecycle activities of existing assets. Expenditures on these assets contribute towards the renewal of existing assets.

2018 Total Expense by Project Type



Capital expenditures where the project type is 'New' will increase the Annual Lifecycle Requirement from their date of acquisition. The annual lifecycle requirement for these assets utilizing an estimated useful life of 10 years are:

New Asset Value	-
Estimated Useful Life	10 years
Annual Lifecycle Requirement	- per year



2018 - 2022 Capital Budget

Department: Planning and Development
 Division: Planning and Zoning

			Forecast														
			2018 Budget			2019			2020			2021			2022		
Project Number	Project Name	Project Type	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
PZ-18-0001	Development Charge Study	Studies	35,000	31,500	3,500												
PZ-18-0002	Development Standards Manual	Studies	70,000	63,000	7,000												
PZ-18-0006	Gesto Office Renovations	Upgrade	65,000	0	65,000												
Total			170,000	94,500	75,500	0	0	0	0	0	0	0	0	0	0	0	0

2018 - 2021 Approved Forecast Totals	35,000	35,000	0														
Increase/(Decrease)	135,000	59,500	75,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0



2018 - 2022 Capital Budget

Department: Planning and Development
Division: Planning and Zoning





User Rate Supported

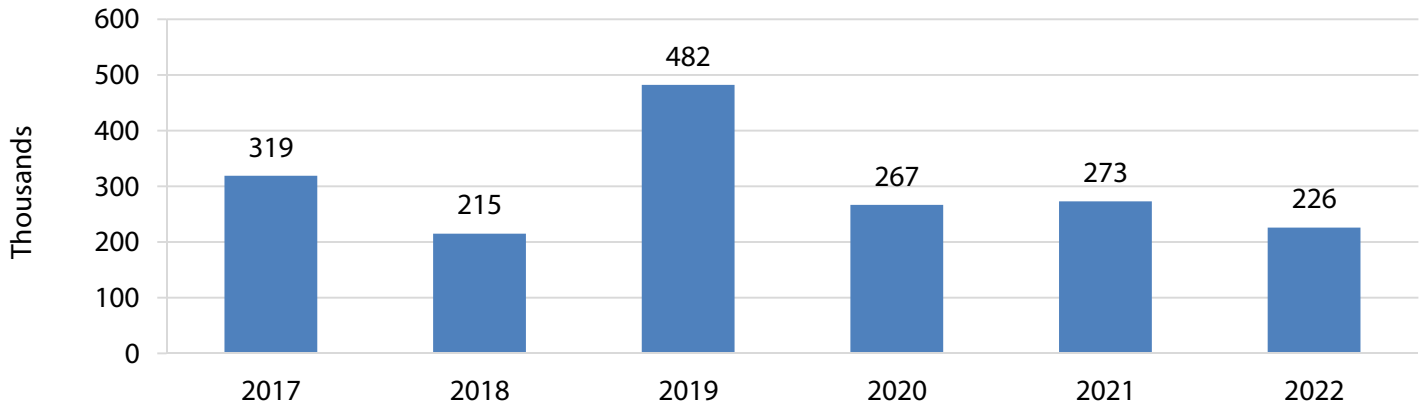


2018 - 2022 Capital Budget

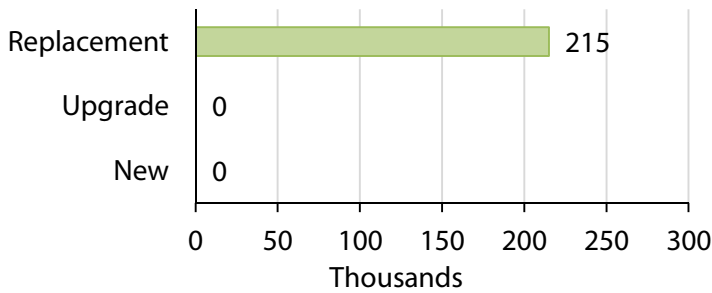
Department: Environmental Services
 Division: Waterworks

Summary			Budget	Change		Forecast			
Category	2016 Actual	2017 Budget	2018	\$	%	2019	2020	2021	2022
Expenses	434,979	319,000	215,000	-104,000	-33%	482,100	267,000	273,200	226,000
Revenues	434,979	319,000	215,000	-104,000	-33%	482,100	267,000	273,200	226,000
Net	0	0	0	0	0%	0	0	0	0

Capital Expenditures (2017 to 2022)



2018 Total Expense by Project Type



Asset Management Lifecycle Implications

Environmental Services assets were captured under Phase 1 of the Town's asset management plan.

The lifecycle implications where the project type is 'New', assuming an estimated useful life of 10 years, is calculated as:

New Asset Value	0
Estimated Useful Life	10 years
Annual Lifecycle Requirement	0 per year



2018 - 2022 Capital Budget

Department: Environmental Services

Division: Waterworks

Project Number	Project Name	Project Type	Forecast														
			2018 Budget			2019			2020			2021			2022		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
WW-18-0001	Equipment Contingency Wards 1 and 2 Distribution and Transmission (50%)	Replacement	7,500	7,500	0												
WW-18-0002	Equipment Contingency Wards 3 and 4 Distribution and Transmission (50%)	Replacement	7,500	7,500	0												
WW-18-0003	Harrow Colchester South Water Treatment Plant Contingency Wards 3 and 4	Replacement	200,000	200,000	0												
WW-18-0009	Gordon, Wilson, Fox, Station Street Main Replacement	Replacement	216,000	216,000	0												
WW-18-0010	Upgrades to Harrow-Colchester South Water Treatment Plant	Replacement	260,000	260,000	0												
WW-18-0011	Backflow Prevention and Monitoring Program Wards 1/2	Replacement	15,000	15,000	0												
WW-18-0012	Backflow Prevention and Monitoring Program Wards 3/4	Replacement	15,000	15,000	0												
WW-19-0001	New Pickup Truck	Replacement				45,000	45,000	0									
WW-19-0002	Equipment Contingency Wards 1 and 2 Distribution and Transmission (50%)	Replacement				8,500	8,500	0									
WW-19-0003	Equipment Contingency Wards 3 and 4 Distribution and Transmission (50%)	Replacement				8,500	8,500	0									
WW-19-0004	Harrow Colchester South Water Treatment Plant Contingency Wards 3 and 4	Replacement				199,000	199,000	0									
WW-19-0009	Queen Street Main Replacement	Replacement				191,100	191,100	0									
WW-19-0010	Backflow Prevention and Monitoring Program Wards 1/2	Replacement				15,000	15,000	0									
WW-19-0011	Backflow Prevention and Monitoring Program Wards 3/4	Replacement				15,000	15,000	0									
WW-20-0001	Equipment Contingency Wards 1 and 2 Distribution and Transmission (50%)	Replacement							8,500	8,500	0						
WW-20-0002	Equipment Contingency Wards 3 and 4 Distribution and Transmission (50%)	Replacement							8,500	8,500	0						
WW-20-0003	Harrow Colchester South Water Treatment Plant Contingency Wards 3 and 4	Replacement							240,000	240,000	0						
WW-20-0006	Backflow Prevention and Monitoring Program Wards 1/2 (Maintenance)	Replacement							5,000	5,000	0						
WW-20-0007	Backflow Prevention and Monitoring Program Wards 3/4 (Maintenance)	Replacement							5,000	5,000	0						
WW-21-0001	Equipment Contingency Wards 1 and 2 Distribution and Transmission (50%)	Replacement										7,600	7,600	0			
WW-21-0002	Equipment Contingency Wards 3 and 4 Distribution and Transmission (50%)	Replacement										7,600	7,600	0			
WW-21-0003	Harrow Colchester South Water Treatment Plant Contingency Wards 3 and 4	Replacement										228,000	228,000	0			
WW-21-0004	Replace Full-Size Van	Replacement										30,000	30,000	0			
WW-21-0005	Backflow Prevention and Monitoring Program Wards 1/2 (Maintenance)	Replacement										5,000	5,000	0			
WW-21-0006	Backflow Prevention and Monitoring Program Wards 3/4 (Maintenance)	Replacement										5,000	5,000	0			
WW-22-0001	Backflow Prevention and Monitoring Program Wards 1/2 (Maintenance)	Replacement													5,000	5,000	0
WW-22-0002	Backflow Prevention and Monitoring Program Wards 3/4 (Maintenance)	Replacement													5,000	5,000	0
WW-22-0003	Equipment Contingency Wards 1 and 2 Distribution and Transmission (50%)	Replacement													8,000	8,000	0



2018 - 2022 Capital Budget

Department: Environmental Services

Division: Waterworks

			Forecast														
			2018 Budget			2019			2020			2021			2022		
Project Number	Project Name	Project Type	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
WW-22-0004	Equipment Contingency Wards 3 and 4 Distribution and	Replacement													8,000	8,000	0
WW-22-0005	Harrow Colchester South Water Treatment Plant Contingency	Replacement													200,000	200,000	0
Total			721,000	721,000	0	482,100	482,100	0	267,000	267,000	0	283,200	283,200	0	226,000	226,000	0
2018 - 2021 Approved Forecast Totals			372,000	372,000	0	615,500	615,500	0	416,776	416,776	0	273,200	273,200	0			
Increase/(Decrease)			349,000	349,000	0	-133,400	-133,400	0	-149,776	-149,776	0	10,000	10,000	0			



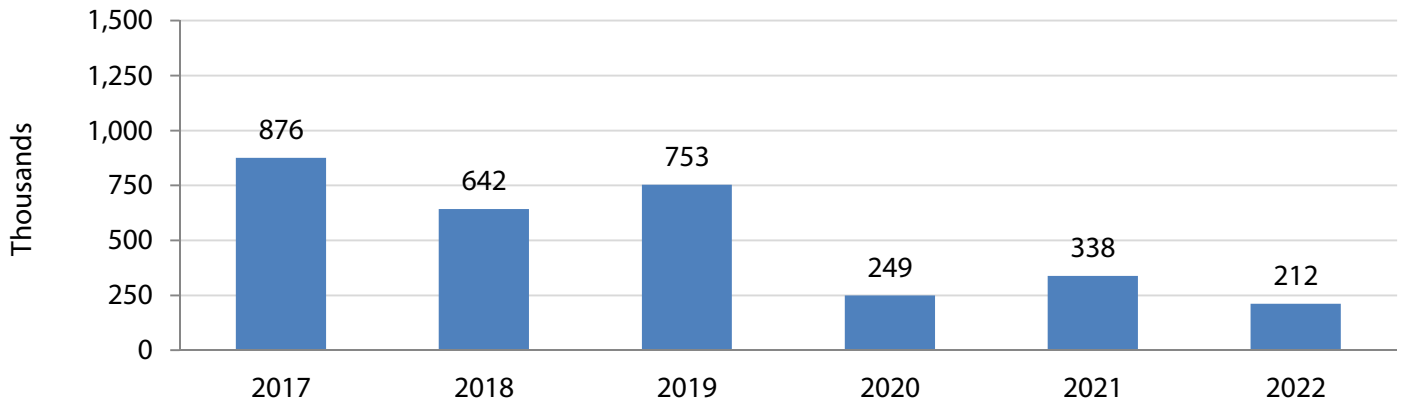


2018 - 2022 Capital Budget

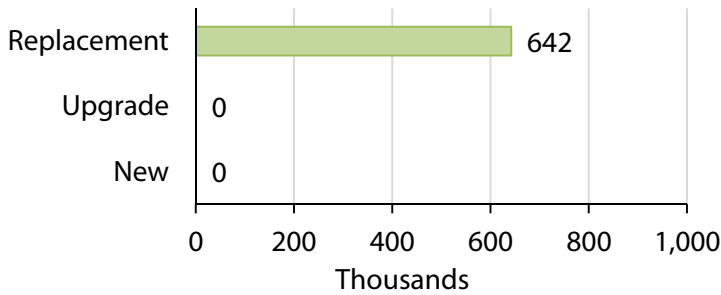
Department: Environmental Services
 Division: Sanitary Sewer

Summary			Budget	Change		Forecast			
Category	2016 Actual	2017 Budget	2018	\$	%	2019	2020	2021	2022
Expenses	5,070,500	876,000	642,000	-234,000	-27%	753,000	249,000	337,600	212,150
Revenues	2,373,904	876,000	642,000	-234,000	-27%	753,000	249,000	337,600	212,150
Net	2,696,596	0	0	0	0%	0	0	0	0

Capital Expenditures (2017 to 2022)



2018 Total Expense by Project Type



Asset Management Lifecycle Implications

Environmental Services assets were captured under Phase 1 of the Town's asset management plan.

The lifecycle implications where the project type is 'New', assuming an estimated useful life of 10 years, is calculated as:

New Asset Value	0
Estimated Useful Life	10 years
Annual Lifecycle Requirement	0 per year



2018 - 2022 Capital Budget

Department: Environmental Services

Division: Sanitary Sewer

Project Number	Project Name	Project Type	Forecast														
			2018 Budget			2019			2020			2021			2022		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
SS-18-0001	Treatment - Ward 1 Contingency	Replacement	83,000	83,000	0												
SS-18-0002	Treatment - Ward 3 Contingency	Replacement	83,000	83,000	0												
SS-18-0003	Treatment - Ward 4 Contingency	Replacement	56,000	56,000	0												
SS-18-0004	Collection and Conveyance - Ward 1 Contingency	Replacement	26,000	26,000	0												
SS-18-0005	Collection and Conveyance - Ward 3 Contingency	Replacement	27,000	27,000	0												
SS-18-0006	Collection and Conveyance - Ward 4 Contingency	Replacement	22,000	22,000	0												
SS-18-0007	Upgrades to Ward 3 Lagoons and Pump Station	Replacement	120,000	120,000	0												
SS-18-0008	Grit Blower Replacement at Pollution Control Plant	Replacement	10,000	10,000	0												
SS-18-0009	Upgrades to Ward 4 Lagoons and Pump Station	Replacement	115,000	115,000	0												
SS-18-0010	Harrow Sanitary Optimization Study	Studies	100,000	100,000	0												
SS-19-0001	Treatment - Ward 1 Contingency	Replacement				93,000	93,000	0									
SS-19-0002	Treatment - Ward 3 Contingency	Replacement				51,000	51,000	0									
SS-19-0003	Treatment - Ward 4 Contingency	Replacement				31,000	31,000	0									
SS-19-0004	Treatment - Ward 4 Cell Treatment	Replacement				500,000	500,000	0									
SS-19-0005	Collection and Conveyance - Ward 1 Contingency	Replacement				26,000	26,000	0									
SS-19-0006	Collection and Conveyance - Ward 3 Contingency	Replacement				30,000	30,000	0									
SS-19-0007	Collection and Conveyance - Ward 4 Contingency	Replacement				22,000	22,000	0									
SS-20-0001	Treatment - Ward 1 Contingency	Replacement							78,000	78,000	0						
SS-20-0002	Treatment - Ward 3 Contingency	Replacement							51,000	51,000	0						
SS-20-0003	Treatment - Ward 4 Contingency	Replacement							31,000	31,000	0						
SS-20-0004	Collection and Conveyance - Ward 1 Contingency	Replacement							30,000	30,000	0						
SS-20-0005	Collection and Conveyance - Ward 3 Contingency	Replacement							32,500	32,500	0						
SS-20-0006	Collection and Conveyance - Ward 4 Contingency	Replacement							26,500	26,500	0						
SS-21-0001	Treatment - Ward 1 Contingency	Replacement										121,000	121,000	0			
SS-21-0002	Treatment - Ward 3 Contingency	Replacement										72,200	72,200	0			
SS-21-0003	Treatment - Ward 4 Contingency	Replacement										36,000	36,000	0			
SS-21-0004	Collection and Conveyance - Ward 1 Contingency	Replacement										25,200	25,200	0			
SS-21-0005	Collection and Conveyance - Ward 3 Contingency	Replacement										27,100	27,100	0			
SS-21-0006	Collection and Conveyance - Ward 4 Contingency	Replacement										21,100	21,100	0			
SS-21-0007	Pickup Truck	Replacement										35,000	35,000	0			
SS-22-0001	Treatment - Ward 1 Contingency	Replacement													70,500	70,500	0
SS-22-0002	Treatment - Ward 3 Contingency	Replacement													51,550	51,550	0
SS-22-0003	Treatment - Ward 4 Contingency	Replacement													30,750	30,750	0
SS-22-0004	Collection and Conveyance - Ward 1 Contingency	Replacement													20,300	20,300	0
SS-22-0005	Collection and Conveyance - Ward 3 Contingency	Replacement													21,650	21,650	0
SS-22-0006	Collection and Conveyance - Ward 4 Contingency	Replacement													17,400	17,400	0
Total			642,000	642,000	0	753,000	753,000	0	249,000	249,000	0	337,600	337,600	0	212,150	212,150	0
2018 - 2021 Approved Forecast Totals			297,000	297,000	0	753,000	753,000	0	249,000	249,000	0	337,700	337,700	0			
Increase/(Decrease)			345,000	345,000	0	0	0	0	0	0	0	-100	-100	0			



2018 - 2022 Capital Budget

Department: Environmental Services

Division: Sanitary Sewer

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