



2017 Capital Budget  
2018 - 2021 Capital Forecast

Prepared by: Finance and Business Services

## **Preface**

The 2017 Budget and 2018 to 2021 Budget Forecast is the culmination of a year's work by all municipal departments. The 2017 Budget was adopted on March 27, 2017, with the 2018 to 2021 Forecast being adopted in principal on June 12, 2017.

The 2018 to 2021 Forecast includes some significant changes related to how the Town funds its capital budget. On March 27, 2017 the Town adopted Part 2 of its Asset Management Plan which included an updated Financial Strategy. This financial strategy focused on the sustainability of municipal assets, specifically from a funding perspective, and included three key recommendations that were adopted. These recommendations included:

- Use the an additional \$548,716 from the Landfill Reserve in the first five years to help close the funding gap
- Use the E.L.K. Energy Promissory Note repayment to help fund the gap in the first five-year period; and
- Implement a capital levy of 2% in the 2018 budget year.

The annual contribution from the Landfill Reserve remains static at 80% of the 2015 amount (approximately \$1.3 million), as per Council's approval. All monies identified under the asset management plan are also to be allocated to the replacement, upgrade, and rehabilitation of existing assets. All assets classified as 'new' will need to be funded by other means.

One noteworthy change relates to the re-allocation of the transfer from the Landfill Reserve. In the 2017 Budget, the transfer from the Landfill Reserve flowed through the Operating Budget. In the 2018 to 2021 Forecast, this amount goes directly into capital. This change will ensure that the Landfill Reserve contribution is being utilized as intended, and will allow the Town to better manage its capital program and more accurately show the year-over-year change in the Operating Budget.



# 2017 - 2021 Capital Budget

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Town of Essex  
 Operating / Capital Summary - All Departments  
 2017 to 2021 Budget

Operating	Budget	Forecast			
	2017	2018	2019	2020	2021
<b>Operating Revenues</b>					
Amounts Added to Taxes and Special Levies	2,329,006	2,378,027	2,417,869	2,434,750	2,394,214
Conditional and Unconditional Grants	6,089,091	6,300,726	6,601,449	6,641,379	6,641,379
Contributions from Developers	404,997	411,950	419,043	426,278	433,660
Fines and Penalties	363,200	363,200	363,200	363,200	363,200
Interfund Transfers - Revenue	4,968,019	4,098,128	3,464,038	3,295,275	3,304,110
Internal Allocations - Revenue	334,309	342,890	346,545	350,728	351,821
Investment and Other Income	203,161	211,034	211,206	210,893	211,086
License and Permit Fees	270,365	280,325	280,365	277,365	275,365
Payments in Lieu of Taxation	57,415	57,415	57,415	57,415	57,415
Property Taxation	13,266,708	14,019,716	14,583,600	15,161,259	15,387,830
Supplementary Taxation	153,544	153,544	153,544	153,544	153,544
User Fees and Service Charges	11,435,015	11,421,053	11,574,633	11,675,936	11,734,075
<b>Total Operating Revenues</b>	<b>39,874,830</b>	<b>40,038,008</b>	<b>40,472,907</b>	<b>41,048,022</b>	<b>41,307,699</b>
<b>Operating Expenses</b>					
Amortization Expense	90,982	90,982	90,982	90,982	90,982
Contracted Services	7,904,777	7,947,078	7,972,750	8,075,168	8,119,618
Debt Servicing	2,372,852	2,555,981	2,538,979	2,296,027	2,282,793
External Transfers	858,756	653,179	656,238	569,357	572,539
Interfund Transfers - Expense	10,326,516	10,897,964	11,283,837	11,451,239	11,318,053
Internal Allocations - Expense	403,899	406,317	408,709	411,765	411,764
Materials and Supplies	2,871,429	2,750,436	2,804,488	2,942,421	2,996,163
Miscellaneous Services	581,315	557,524	560,996	560,143	561,415
Professional Fees	452,247	512,005	407,005	437,005	442,005
Rents and Financial Services	305,027	289,580	289,748	289,919	288,932
Repairs and Maintenance	884,520	887,975	891,918	898,721	899,611
Salaries, Wages, Benefits and Personnel Expenses	9,491,442	10,142,141	10,223,317	10,371,534	10,447,046
Taxation Adjustments	322,000	322,000	322,000	322,000	322,000
Uncollectible Taxes and Accounts Receivable	13,425	13,425	13,425	13,425	13,425
Utilities, Insurance and Property Taxes	1,847,696	1,904,884	1,913,490	1,922,835	1,932,353
<b>Total Operating Expenses</b>	<b>38,726,883</b>	<b>39,931,472</b>	<b>40,377,883</b>	<b>40,652,542</b>	<b>40,698,699</b>
<b>Operating Surplus/(Deficit)</b>	<b>1,147,947</b>	<b>106,536</b>	<b>95,024</b>	<b>395,479</b>	<b>609,000</b>

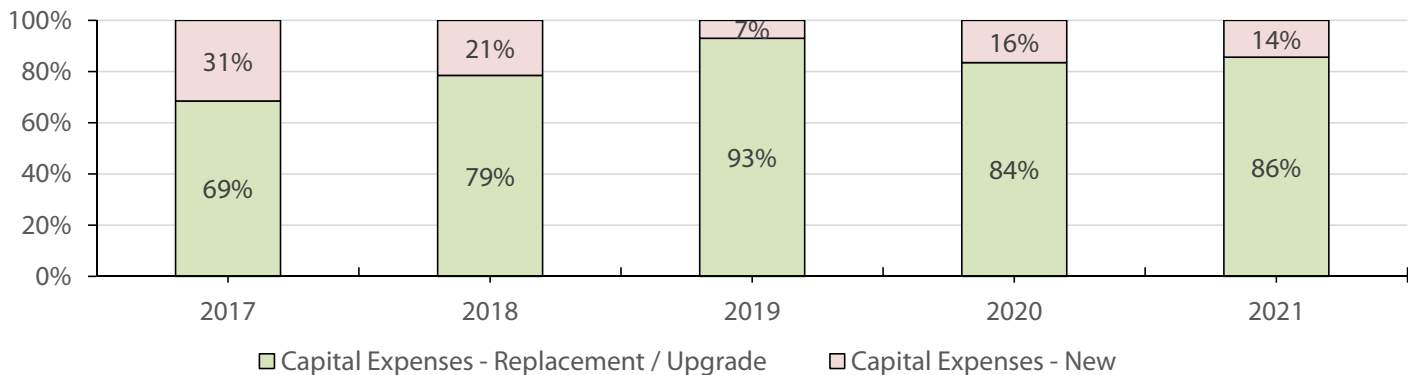


Town of Essex  
Operating / Capital Summary - All Departments  
2017 to 2021 Budget

Capital	Budget	Forecast			
	2017	2018	2019	2020	2021
<b>Asset Type: Replacement / Upgrade</b>					
<b>Capital Financing</b>					
Grant Revenue	25,000	0	0	25,000	0
User Fees and Service Charges	40,125	7,635	15,949	52,182	9,630
Other Revenue	10,820	0	9,000	31,889	15,000
Long-Term Debt Financing	1,237,019	0	125,000	0	0
Revenue Contributions from Reserve Funds	3,656,534	2,292,444	3,601,526	2,753,196	3,022,826
Funding per Asset Management Financial Strategy	0	1,406,048	3,016,458	1,194,184	1,480,786
<b>Total Capital Financing - Replacement / Upgrade</b>	<b>4,969,498</b>	<b>3,706,126</b>	<b>6,767,932</b>	<b>4,056,451</b>	<b>4,528,242</b>
<b>Capital Expenses - Replacement / Upgrade</b>	<b>5,672,040</b>	<b>3,706,126</b>	<b>6,767,932</b>	<b>4,056,451</b>	<b>4,528,242</b>
<b>Capital - Replacement / Upgrade Surplus/(Deficit)</b>	<b>(702,543)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Asset Type: New</b>					
<b>Capital Financing</b>					
Grant Revenue	0	0	0	0	0
User Fees and Service Charges	0	0	0	0	0
Other Revenue	10,000	1,500	0	0	0
Long-Term Debt Financing	1,100,342	0	0	0	0
Revenue Contributions from Reserve Funds	1,049,544	906,693	409,976	403,906	149,900
<b>Total Capital Financing - New</b>	<b>2,159,886</b>	<b>908,193</b>	<b>409,976</b>	<b>403,906</b>	<b>149,900</b>
<b>Capital Expenses - New</b>	<b>2,605,290</b>	<b>1,014,729</b>	<b>505,000</b>	<b>799,385</b>	<b>758,900</b>
<b>Capital - New Surplus/(Deficit)</b>	<b>(445,404)</b>	<b>(106,536)</b>	<b>(95,024)</b>	<b>(395,479)</b>	<b>(609,000)</b>
<b>Total Capital - Surplus/(Deficit)</b>	<b>(1,147,947)</b>	<b>(106,536)</b>	<b>(95,024)</b>	<b>(395,479)</b>	<b>(609,000)</b>
<b>Net Surplus/(Deficit)</b>	<b>(0)</b>	<b>(0)</b>	<b>0</b>	<b>0</b>	<b>0</b>

Capital Summary - All Asset Types	Budget	Forecast			
	2017	2018	2019	2020	2021
<b>Capital</b>					
<b>Total Capital Financing - All</b>	<b>7,129,384</b>	<b>4,614,319</b>	<b>7,177,908</b>	<b>4,460,357</b>	<b>4,678,142</b>
<b>Total Capital Expenses - All</b>	<b>8,277,331</b>	<b>4,720,855</b>	<b>7,272,932</b>	<b>4,855,836</b>	<b>5,287,142</b>
<b>Capital Net Surplus/(Deficit)</b>	<b>(1,147,947)</b>	<b>(106,536)</b>	<b>(95,024)</b>	<b>(395,479)</b>	<b>(609,000)</b>

Capital Expense Allocation - Replacement/Upgrade versus New





**Town of Essex  
Operating / Capital Summary - All Departments  
2017 to 2021 Budget**



# 2017 - 2021 Capital Budget

Department Level Summary

Department	Budget			Forecast											
	2017			2018			2019			2020			2021		
	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
Council	108,133	71,347	<b>36,786</b>	50,000	0	<b>50,000</b>	50,000	0	<b>50,000</b>	50,000	0	<b>50,000</b>	50,000	0	<b>50,000</b>
Corporate Services	69,022	30,088	<b>38,934</b>	117,588	114,588	<b>3,000</b>	0	0	<b>0</b>	19,385	0	<b>19,385</b>	0	0	<b>0</b>
Police	77,025	21,600	<b>55,425</b>	0	0	<b>0</b>	0	0	<b>0</b>	0	0	<b>0</b>	0	0	<b>0</b>
Fire	751,067	681,627	<b>69,440</b>	52,815	52,815	<b>0</b>	2,296,103	2,296,103	<b>0</b>	65,481	65,481	<b>0</b>	574,481	574,481	<b>0</b>
Building	47,905	46,350	<b>1,555</b>	0	0	<b>0</b>	0	0	<b>0</b>	0	0	<b>0</b>	0	0	<b>0</b>
Public Works	3,102,519	2,391,506	<b>711,013</b>	2,928,550	2,908,550	<b>20,000</b>	2,784,500	2,774,476	<b>10,024</b>	2,680,220	2,449,126	<b>231,094</b>	3,049,221	2,649,221	<b>400,000</b>
Health Services	0	0	<b>0</b>	0	0	<b>0</b>	0	0	<b>0</b>	0	0	<b>0</b>	0	0	<b>0</b>
Community Services	2,583,418	2,376,866	<b>206,552</b>	867,902	834,366	<b>33,536</b>	773,829	738,829	<b>35,000</b>	1,374,974	1,279,974	<b>95,000</b>	1,002,640	843,640	<b>159,000</b>
Planning and Development	50,000	50,000	<b>0</b>	35,000	35,000	<b>0</b>	0	0	<b>0</b>	0	0	<b>0</b>	0	0	<b>0</b>
Business Improvement Area	250,000	250,000	<b>0</b>	0	0	<b>0</b>	0	0	<b>0</b>	0	0	<b>0</b>	0	0	<b>0</b>
Agriculture and Reforestation	43,240	15,000	<b>28,240</b>	0	0	<b>0</b>	0	0	<b>0</b>	0	0	<b>0</b>	0	0	<b>0</b>
Water	319,000	319,000	<b>0</b>	372,000	372,000	<b>0</b>	615,500	615,500	<b>0</b>	416,776	416,776	<b>0</b>	273,200	273,200	<b>0</b>
Sanitary Sewer	876,000	876,000	<b>0</b>	297,000	297,000	<b>0</b>	753,000	753,000	<b>0</b>	249,000	249,000	<b>0</b>	337,700	337,700	<b>0</b>
<b>Total</b>	<b>8,277,329</b>	<b>7,129,384</b>	<b>1,147,945</b>	<b>4,720,855</b>	<b>4,614,319</b>	<b>106,536</b>	<b>7,272,932</b>	<b>7,177,908</b>	<b>95,024</b>	<b>4,855,836</b>	<b>4,460,357</b>	<b>395,479</b>	<b>5,287,242</b>	<b>4,678,242</b>	<b>609,000</b>



# 2017 - 2021 Capital Budget

Department: All  
Project Type: New

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
GG-17-0030	Contingency	New	38,067	38,067	0												
GG-17-0032	Banner Posts (carry forward GG-16-0005)	New	20,000	6,900	13,100												
GG-17-0005	Town Hall Staff Awnings at 2 Entrances	New	4,000	0	4,000												
GG-17-0025	Fibre Optic Install and New Switch Hardware	New	19,000	9,000	10,000												
FD-17-0011	Intelligent Training System (Fire Extinguisher Training)	New	10,000	10,000	0												
FD-17-0014	Fire Master Plan (carry forward FD-16-0013)	Studies	65,000	65,000	0												
BD-17-0001	Additional Vehicle	New	40,000	40,000	0												
PW-17-0036	Broom Attachments	New	7,000	0	7,000												
PW-17-0048	Mobile Drafting Table	New	12,000	8,160	3,840												
PW-17-0021	Rural Streetlight Installation	New	40,000	0	40,000												
PW-17-0022	Sidewalks/Trails	New	375,000	45,000	330,000												
CS-17-0069	Water Line for Dog Park	New	10,000	0	10,000												
CS-17-0073	Spill Pallets (2 - Harrow and Essex)	New	5,100	0	5,100												
CS-17-0079	Remove Flower Beds and replace with planters in Essex Centre	New	36,500	25,000	11,500												
CS-17-0097	Fence at Colchester Park (Carry Forward CS-16-0042)	New	81,875	76,823	5,052												
CS-17-0108	Recreation Lands (carry forward CS-16-0082)	New	1,100,342	1,100,342	0												
CS-17-0109	Electric Utility Vehicle (carry forward CS-16-0001)	New	6,000	5,000	1,000												
CS-17-0112	Two Aluminum Spectators Benches for Harrow Diamond 2 (carry forward CS-16-0083)	New	7,000	7,000	0												
CS-17-0113	Electrical Charging Stations (carry forward CS-16-0083)	New	252,820	252,820	0												
CS-17-0114	Colchester Community Garden (carry forward CS-16-0067/CS-15-0005)	New	5,000	2,938	2,062												
CS-17-0115	Board Room Construction at Harrow/Colchester South Arena (carry forward CS-16-0069/CS-15-0005)	New	20,000	20,000	0												
CS-17-0118	Divesture of Harbour (Study) (carry forward CS-16-0069/CS-15-0005)	New	79,722	79,722	0												
CS-17-0119	Heritage Garden Development (carry forward CS-16-0050)	New	31,452	31,452	0												
CS-17-0120	Beautification - Colchester Centre (carry forward CS-16-0073/CS-15-0005)	New	5,000	5,000	0												
CS-17-0121	Beautification - Harrow Centre (carry forward CS-16-0073/CS-15-0005)	New	25,545	25,545	0												
CS-17-0122	New Mural (carry forward CS-16-0075/CS-15-0005)	New	2,761	2,761	0												
CS-17-0123	Pool Piping and Equipment Study at Essex Recreation Complex	New	5,500	2,750	2,750												
CS-17-0124	Projector at Harrow Arena	New	3,989	3,989	0												
CS-17-0126	Park, Recreation and Culture Masterplan (carry forward CS-16-0001)	New	46,617	46,617	0												
BI-17-0001	Heritage Park Pavillion (carry forward BI-16-0001)	New	250,000	250,000	0												
GG-18-0004	Contingency	New				50,000	0	50,000									
GG-18-0003	Fees and Charges Review	Studies				30,000	27,000	3,000									
PW-18-0014	Sidewalks/Trails	New				400,000	400,000	0									
PW-18-0013	Rural Streetlight Installation (Colchester Village)	New				20,000	0	20,000									
CS-18-0042	New Toro	New				81,000	81,000	0									
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	321,337	28,663									
PZ-18-0001	Development Charge Study	Studies				35,000	35,000	0									
GG-19-0002	Contingency	New							50,000	0	50,000						
PW-19-0018	Sidewalks/Trails	New							400,000	400,000	0						
PW-19-0019	Rural Streetlight Installation (Colchester Village)	New							20,000	9,976	10,024						
CS-19-0037	Colchester Harbour WiFi	New							5,000	0	5,000						
CS-19-0049	2 New Lights on Path from McKeown to Sadler's Park	New							30,000	0	30,000						





# 2017 - 2021 Capital Budget

Department: All  
Project Type: New

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
GG-20-0002	Contingency	New										50,000	0	<b>50,000</b>			
GG-20-0003	Intranet	New										19,385	0	<b>19,385</b>			
PW-20-0016	Rural Streetlight Installation (Colchester Village)	New										25,000	0	<b>25,000</b>			
PW-20-0017	Sidewalks/Trails	New										450,000	243,906	<b>206,094</b>			
CS-20-0040	Dugouts at Harrow Diamonds	New										15,000	0	<b>15,000</b>			
CS-20-0042	Tennis Courts in Essex	New										240,000	160,000	<b>80,000</b>			
GG-21-0002	Contingency	New													50,000	0	<b>50,000</b>
PW-21-0007	Sidewalks/Trails	New													450,000	75,000	<b>375,000</b>
PW-21-0008	Rural Streetlight Installation	New													25,000	0	<b>25,000</b>
CS-21-0026	Folding Tables for Jackson Park	New													8,000	0	<b>8,000</b>
CS-21-0040	Cement Walkway into Stanton Park	New													26,000	0	<b>26,000</b>
CS-21-0043	New Public Washrooms/Change Room at Harrow Splash Pad	New													150,000	75,000	<b>75,000</b>
CS-21-0034	Sadler's Park Power Pedestals	New													50,000	0	<b>50,000</b>
<b>Total</b>			<b>2,605,290</b>	<b>2,159,886</b>	<b>445,404</b>	<b>1,014,729</b>	<b>908,193</b>	<b>106,536</b>	<b>505,000</b>	<b>409,976</b>	<b>95,024</b>	<b>799,385</b>	<b>403,906</b>	<b>395,479</b>	<b>759,000</b>	<b>150,000</b>	<b>609,000</b>



Property Tax Supported



## 2017 - 2021 Capital Budget

**Funded by: Property Tax Supported**

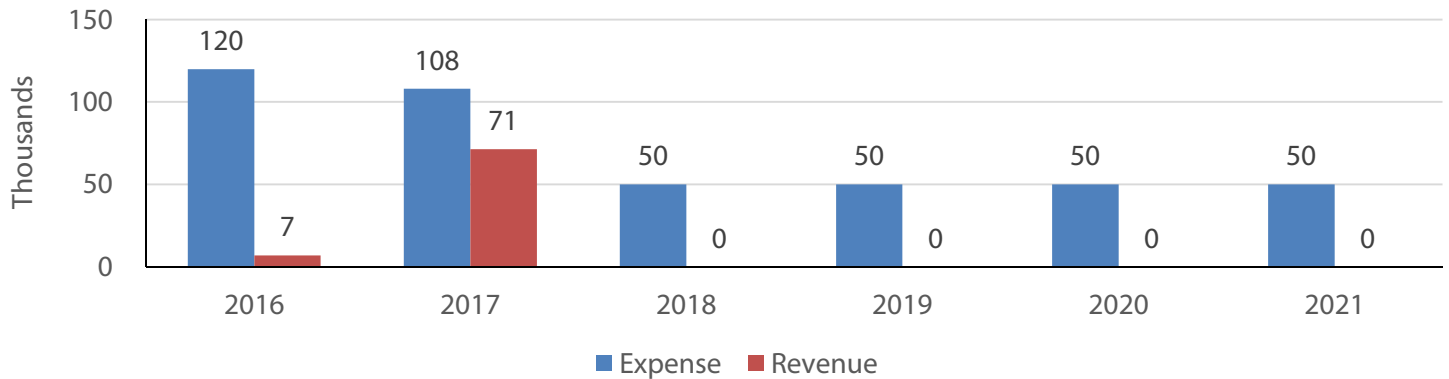
**Department: General Government**

**Division: Council**

### Executive Summary

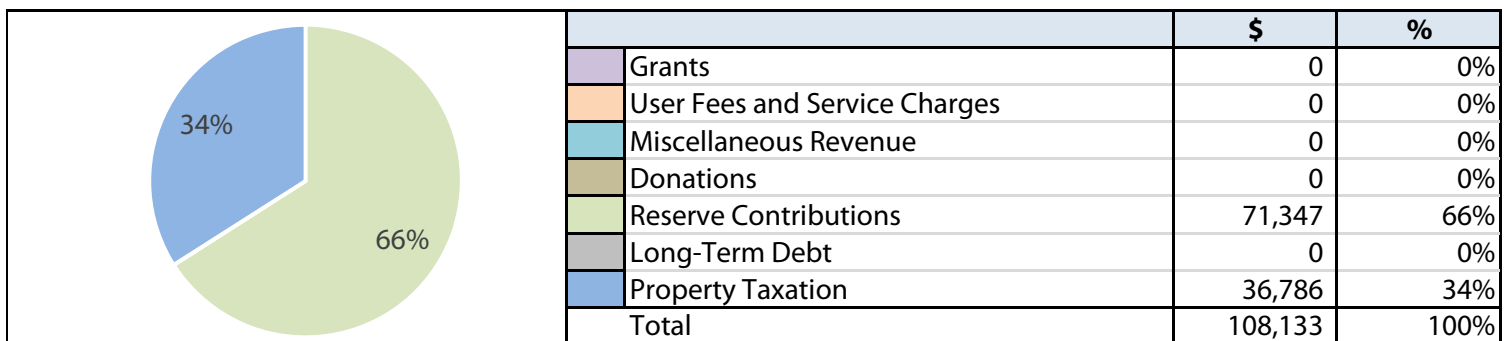
The 2017 Capital Budget for Council consists of the Deputy Mayor ward boundary review, a carry forward project for banner posts, and the amount for Council Contingency has also been maintained after being introduced in 2016.

### Expense versus Revenue



### Analysis of Revenue Source for 2017

For 2017 the largest funding source for Council under the Capital Budget is Contributions from Reserves at \$83,000 or 66% which has increased from the 2016 amount of \$6,900. Funding from Property Taxation represents the balance of revenue at \$37,000 or 34%.



### Future Capital and Contributions to Reserve

The 2017 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 with 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 2017 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.

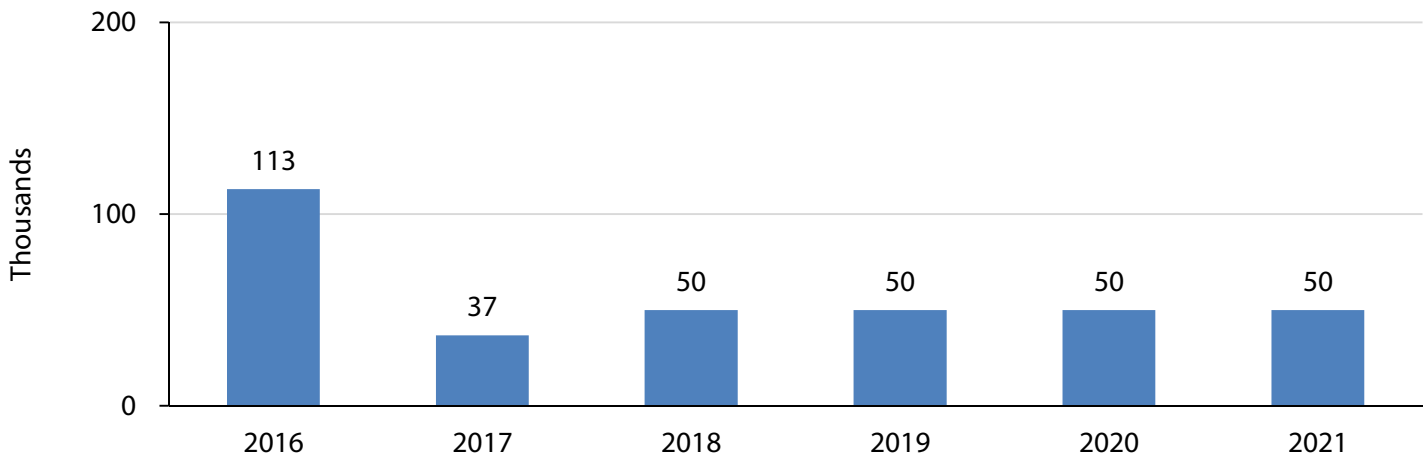


# 2017 - 2021 Capital Budget

Department: General Government  
 Division: Council

Summary			Budget	Change		Forecast			
Category	2015 Actual	2016 Budget	2017	\$	%	2018	2019	2020	2021
Expenses	185,364	119,900	108,133	(11,767)	-10%	50,000	50,000	50,000	50,000
Revenues	185,364	6,900	71,347	64,447	934%	0	0	0	0
<b>Net</b>	<b>0</b>	<b>113,000</b>	<b>36,786</b>	<b>(76,214)</b>	<b>-67%</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>	<b>50,000</b>

## Net Capital Budget (2016 to 2021)

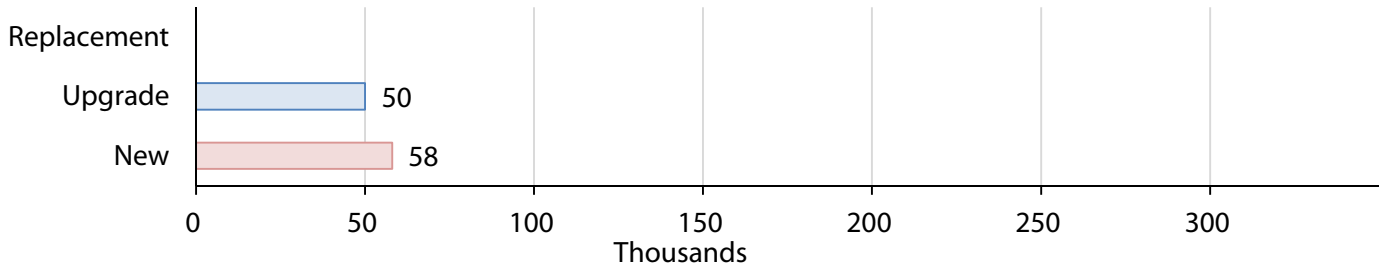


## Asset Management Lifecycle Implications

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.

## 2017 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	58,067
Estimated Useful Life	10 years
<b>Annual Lifecycle Requirement</b>	<b>5,807 per year</b>



## 2017 - 2021 Capital Budget

Department: General Government

Division: Council

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
GG-17-0027	Deputy Mayor/Ward Boundary Review	Upgrade	50,066	26,380	<b>23,686</b>												
GG-17-0030	Contingency	New	38,067	38,067	<b>0</b>												
GG-17-0032	Banner Posts (carry forward GG-16-0005)	New	20,000	6,900	<b>13,100</b>												
GG-18-0004	Contingency	New				50,000	0	<b>50,000</b>									
GG-19-0002	Contingency	New							50,000	0	<b>50,000</b>						
GG-20-0002	Contingency	New										50,000	0	<b>50,000</b>			
GG-21-0002	Contingency	New													50,000	0	<b>50,000</b>
<b>Total</b>			108,133	71,347	<b>36,786</b>	50,000	0	<b>50,000</b>	50,000	0	<b>50,000</b>	50,000	0	<b>50,000</b>	50,000	0	<b>50,000</b>



## 2017 - 2021 Capital Budget

**Funded by: Property Tax Supported**

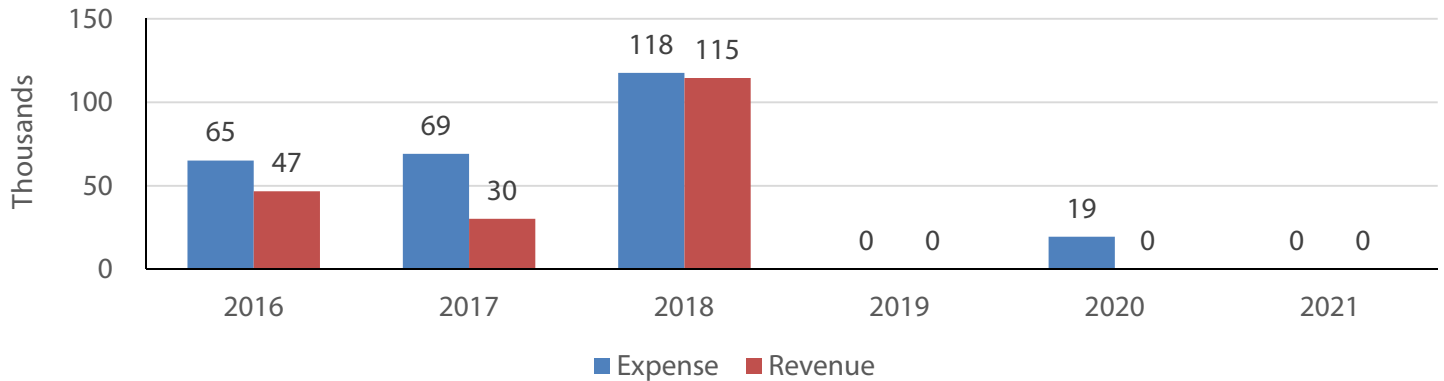
**Department: General Government**

**Division: Corporate Services**

### Executive Summary

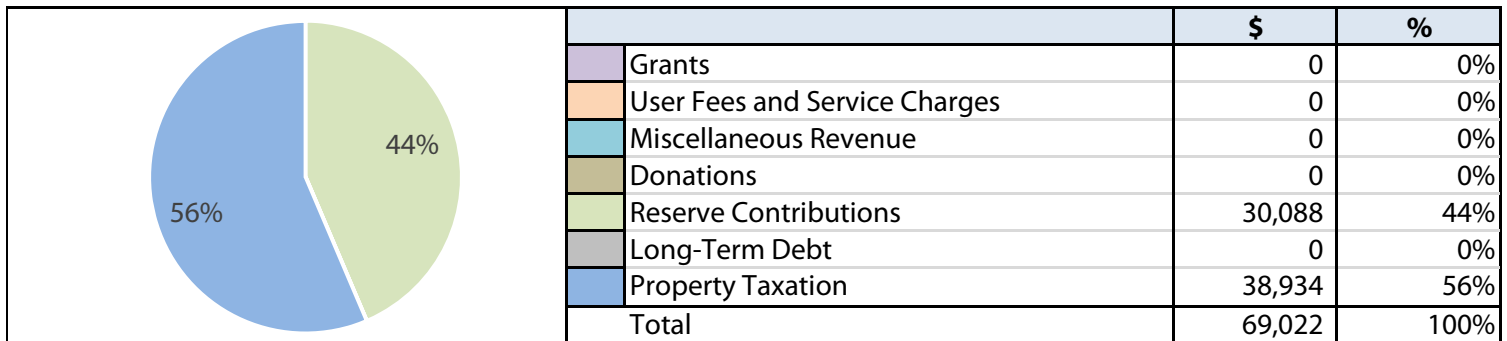
The 2017 Capital Budget for Corporate Services consists of building and land improvements at Town Hall, information technology upgrades, and the completion of the Town Hall Accomodation Review.

### Expense versus Revenue



### Analysis of Revenue Source for 2017

For 2017 the largest funding source for Corporate Services under the Capital Budget is from Property Taxation at \$39,000 or 56%. Contributions from reserve in 2017 are related to two carry forward projects from 2016 and one new project. This amount makes up \$30,000 in 2017 or 44% of revenue for Corporate Services.



### Future Capital and Contributions to Reserve

The 2017 Operating Budget for Corporate Services includes a reserve transfer or lifecycle allocation for future capital assets in the amount of \$40,000.

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

The amount of revenue from LTD under the capital budget for Corporate Services in 2017 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.

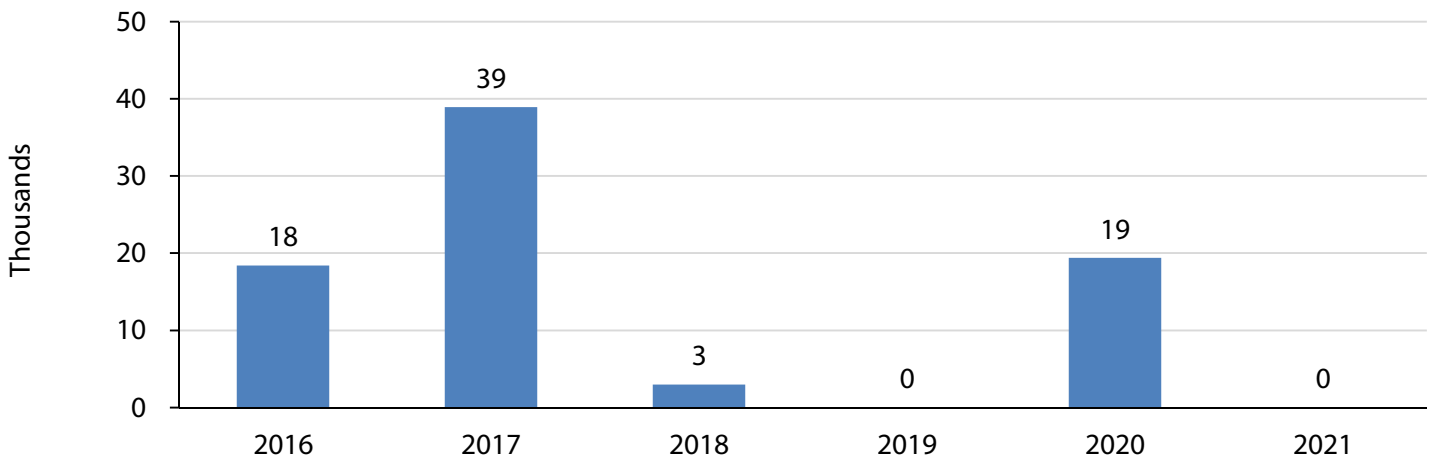


# 2017 - 2021 Capital Budget

Department: General Government  
 Division: Corporate Services

Summary			Budget	Change		Forecast			
Category	2015 Actual	2016 Budget	2017	\$	%	2018	2019	2020	2021
Expenses	8,278	65,117	69,022	3,905	6%	117,588	0	19,385	0
Revenues	8,278	46,717	30,088	(16,629)	-36%	114,588	0	0	0
<b>Net</b>	<b>0</b>	<b>18,400</b>	<b>38,934</b>	<b>20,534</b>	<b>112%</b>	<b>3,000</b>	<b>0</b>	<b>19,385</b>	<b>0</b>

## Net Capital Budget (2016 to 2021)

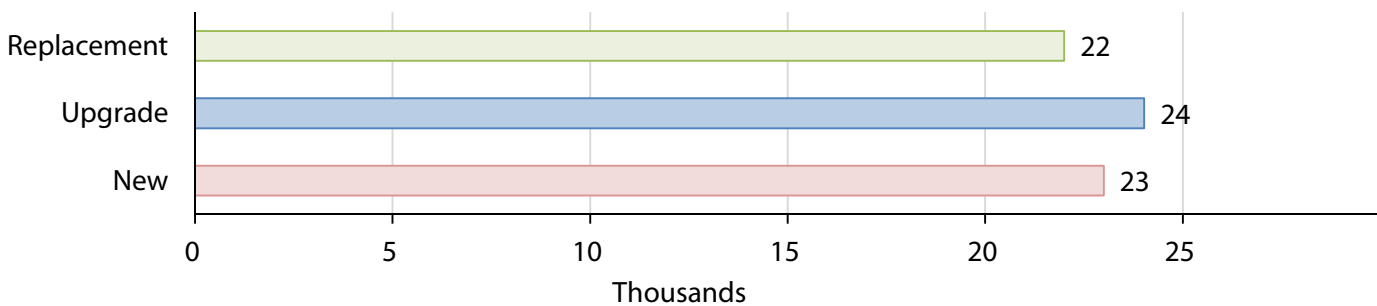


## Asset Management Lifecycle Implications

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.

## 2017 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	23,000
Estimated Useful Life	10 years
<b>Annual Lifecycle Requirement</b>	<b>2,300 per year</b>



## 2017 - 2021 Capital Budget

Department: General Government

Division: Corporate Services

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
GG-17-0001	Town Hall Accommodation Review (carry forward GG-16-0003)	Upgrade	10,140	5,706	<b>4,434</b>												
GG-17-0005	Town Hall Staff Awnings at 2 Entrances	New	4,000	0	<b>4,000</b>												
GG-17-0024	Software for Finance	Upgrade	6,500	0	<b>6,500</b>												
GG-17-0025	Fibre Optic Install and New Switch Hardware	New	19,000	9,000	<b>10,000</b>												
GG-17-0026	Server Room UPS Replacement	Replacement	12,000	0	<b>12,000</b>												
GG-17-0028	Plotter Replacement (Large Printer) (carry forward GG-16-0002)	Replacement	10,000	8,000	<b>2,000</b>												
GG-17-0029	Diamond Virtual City Hall (carry forward GG-16-0004)	Upgrade	7,382	7,382	<b>0</b>												
GG-18-0003	Fees and Charges Review	Studies				30,000	27,000	<b>3,000</b>									
GG-18-0006	Replace Gazebo in front of Town Hall	Replacement				10,176	10,176	<b>0</b>									
GG-18-0007	Replace and Relocate Generator at Town Hall	Replacement				77,412	77,412	<b>0</b>									
GG-20-0003	Intranet	New										19,385	0	<b>19,385</b>			
<b>Total</b>			<b>69,022</b>	<b>30,088</b>	<b>38,934</b>	<b>117,588</b>	<b>114,588</b>	<b>3,000</b>				<b>19,385</b>	<b>0</b>	<b>19,385</b>			





## 2017 - 2021 Capital Budget

**Funded by: Property Tax Supported**

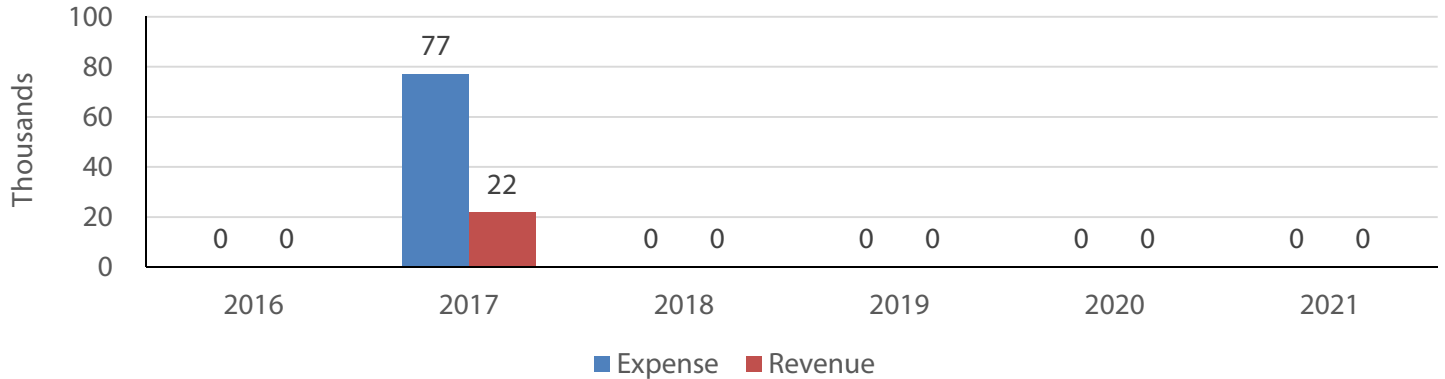
**Department: Protection to Persons and Property**

**Division: Police**

### Executive Summary

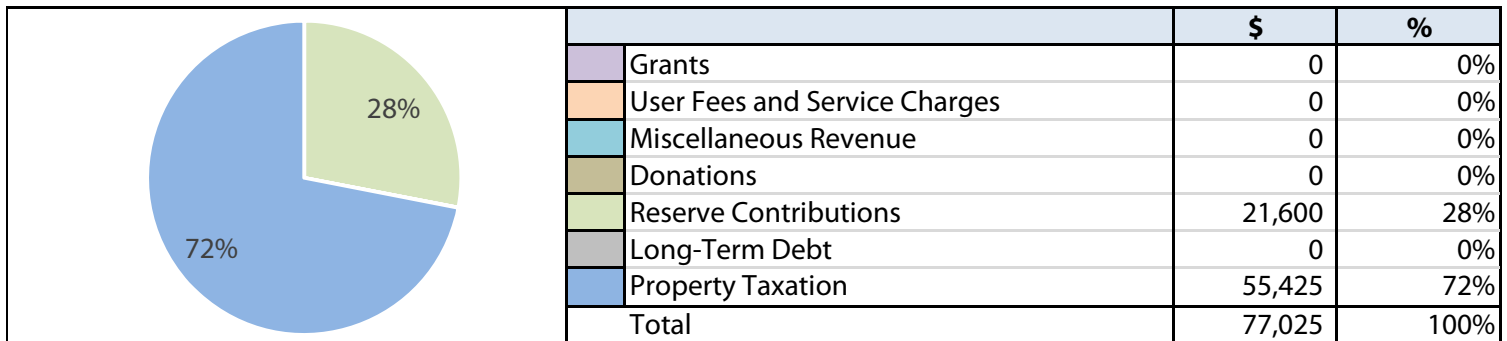
The 2017 Capital Budget for Police consists predominantly of building upgrades at the Harrow Station. The largest project under Police for 2017 is the roof replacement at the Harrow Station.

### Expense versus Revenue



### Analysis of Revenue Source for 2017

For 2017 the largest funding source for Police under the Capital Budget is from Property Taxation at \$55,000 or 72%. Contributions from Reserve have increased from \$0 in 2016 to \$10,000 in 2017. The reserve amount is related to yearly lifecycle contributions for the replacement of the roof.



### Future Capital and Contributions to Reserve

The 2017 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 2017 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.

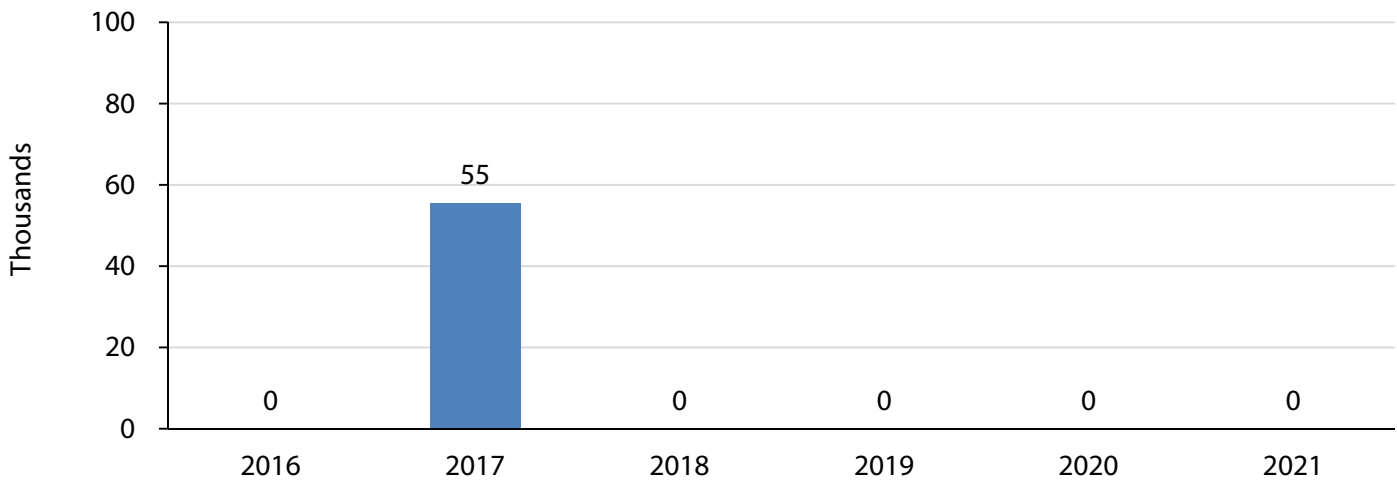


# 2017 - 2021 Capital Budget

Department: Protection to Persons and Property  
 Division: Police

Summary			Budget	Change		Forecast			
Category	2015 Actual	2016 Budget	2017	\$	%	2018	2019	2020	2021
Expenses	80,313	0	77,025	77,025	100%	0	0	0	0
Revenues	80,313	0	21,600	21,600	100%	0	0	0	0
<b>Net</b>	<b>0</b>	<b>0</b>	<b>55,425</b>	<b>55,425</b>	<b>100%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Net Capital Budget (2016 to 2021)

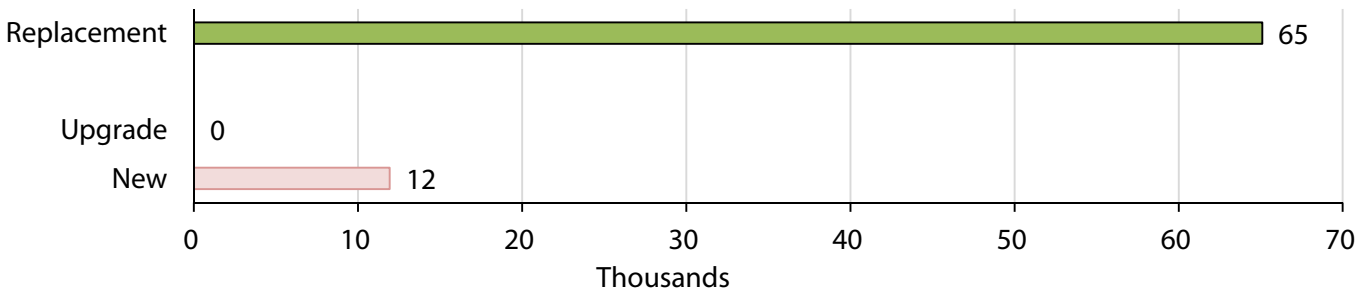


## Asset Management Lifecycle Implications

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.

## 2017 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	11,933
Estimated Useful Life	10 years
<b>Annual Lifecycle Requirement</b>	<b>1,193 per year</b>



## 2017 - 2021 Capital Budget

Department: Protection to Persons and Property

Division: Police

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
PD-17-0001	Heating, Ventilation, Air Conditioning Unit Replacement at Harrow Station (Lower Roof Front)	Replacement	13,500	0	<b>13,500</b>												
PD-17-0002	Roof Replacement at Harrow Station	Replacement	50,000	9,667	<b>40,333</b>												
PD-17-0005	Replace Carpeting in Offices Upstairs	Replacement	1,592	0	<b>1,592</b>												
PD-17-0006	Security Cameras on Exterior of Harrow Station	New	11,933	11,933	<b>0</b>												
<b>Total</b>			<b>77,025</b>	<b>21,600</b>	<b>55,425</b>												



## 2017 - 2021 Capital Budget

**Funded by: Property Tax Supported**

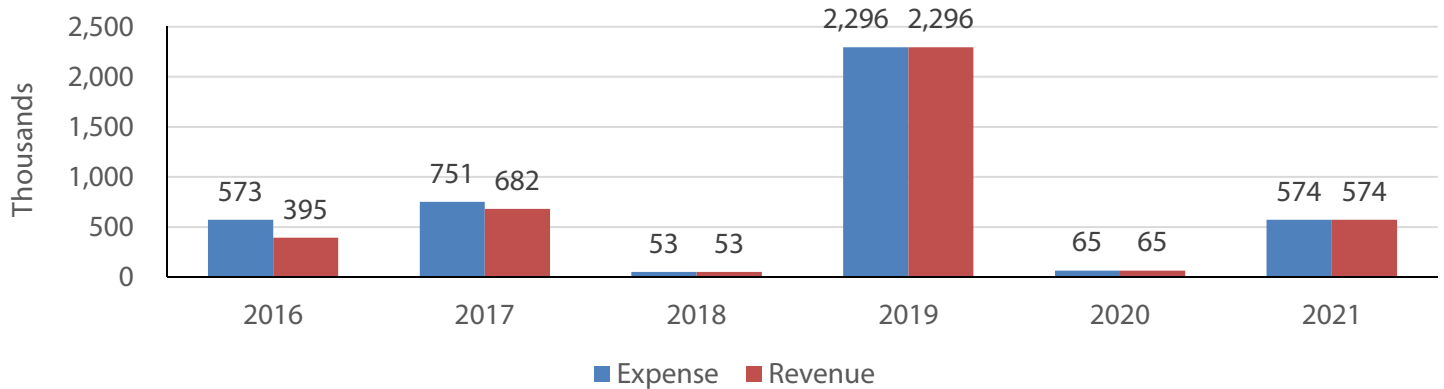
**Department: Protection to Persons and Property**

**Division: Fire**

### Executive Summary

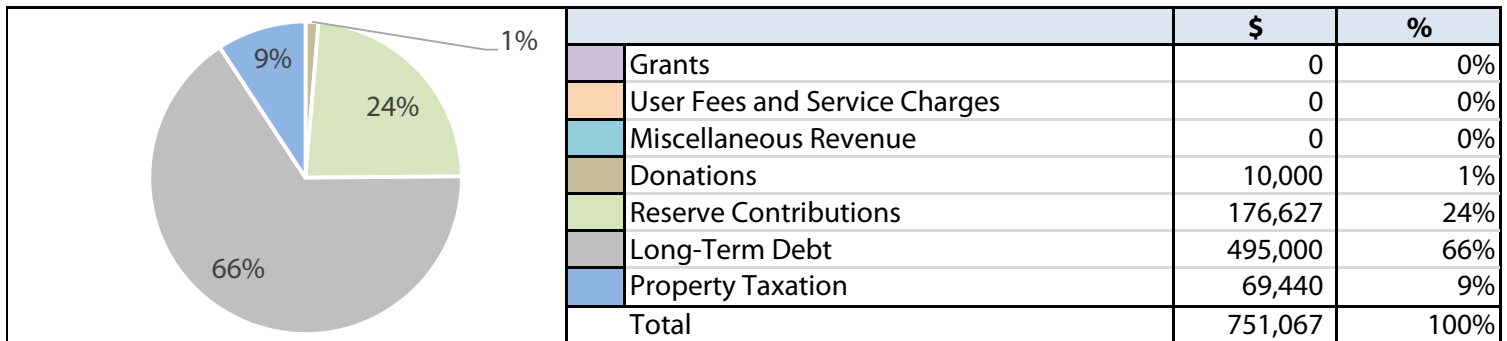
The 2017 Capital Budget for Fire consists of \$562,000 in fully funded carry-forward projects from 2016. Seven of the projects identified for 2017 are related to Fire's annual replacement program for items such as boots, bunker gear, helmets, hoses, pagers, and gloves.

### Expense versus Revenue



### Analysis of Revenue Source for 2017

For 2017 the largest funding source for Fire under the Capital Budget is from Long-Term Debt at \$495,000. Contributions from Reserve have increased from \$0 in 2016 to \$177,000 in 2017. There is a donation in the amount of \$10,000 with the remaining revenue coming from Property Taxation.



### Future Capital and Contributions to Reserve

The 2017 Operating Budget for Fire includes reserve transfers or lifecycle allocations for future capital assets in the amount of \$141,000.

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

The amount of revenue from LTD under the capital budget for Fire in 2017 is \$495,000. 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 \$103,000.

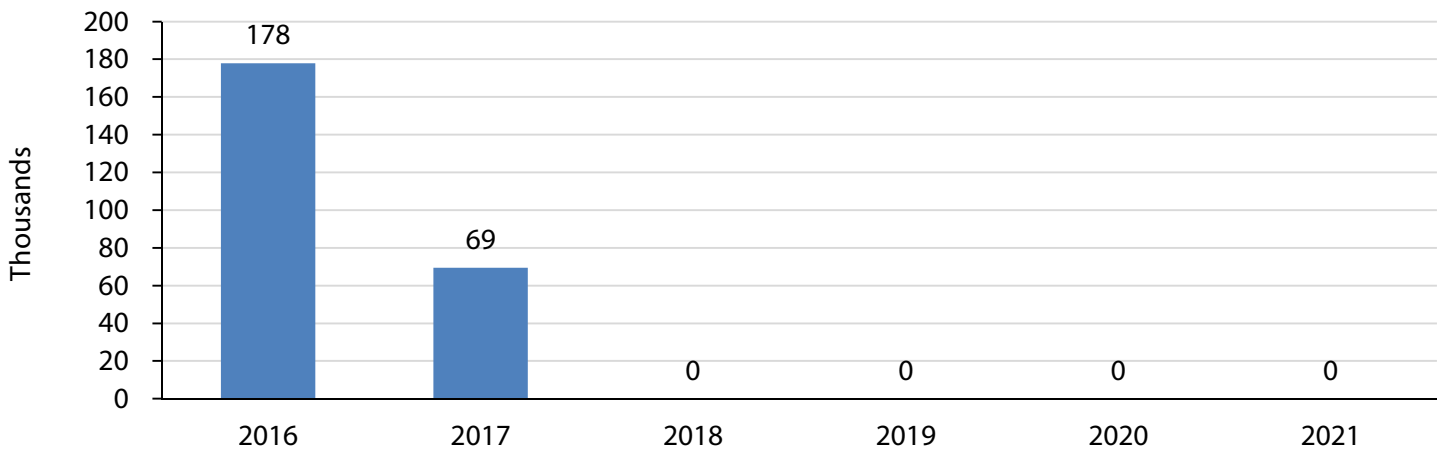


# 2017 - 2021 Capital Budget

Department: Protection to Persons and Property  
 Division: Fire

Summary			Budget	Change		Forecast			
Category	2015 Actuals	2016 Budget	2017	\$	%	2018	2019	2020	2021
Expenses	547,785	572,670	751,067	178,397	31%	52,815	2,296,103	65,481	574,481
Revenues	526,060	394,833	681,627	286,794	73%	52,815	2,296,103	65,481	574,481
<b>Net</b>	<b>21,726</b>	<b>177,837</b>	<b>69,440</b>	<b>(108,397)</b>	<b>-61%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Net Capital Budget (2016 to 2021)

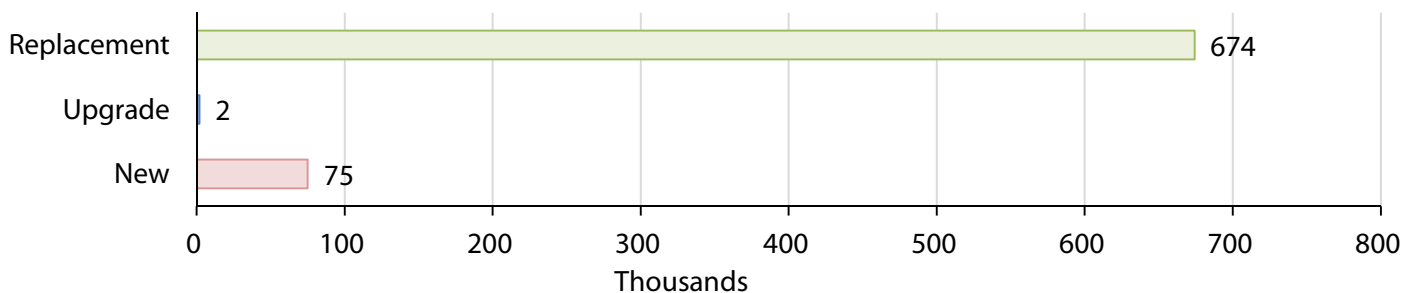


## Asset Management Lifecycle Implications

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.

## 2017 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	75,000
Less: Land and Studies	(65,000)
	<u>10,000</u>
Estimated Useful Life	10 years
<b>Annual Lifecycle Requirement</b>	<b>1,000</b> per year



# 2017 - 2021 Capital Budget

Department: Protection to Persons and Property

Division: Fire

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
FD-17-0001	Helmet Replacement Program	Replacement	3,150	0	3,150												
FD-17-0002	Hose Replacement Program	Replacement	15,000	0	15,000												
FD-17-0003	Pager Replacement Program	Replacement	5,625	0	5,625												
FD-17-0004	Boot Replacement Program	Replacement	3,840	0	3,840												
FD-17-0005	Bunker Gear Replacement Program	Replacement	25,200	0	25,200												
FD-17-0006	Extracation Glove Replacement	Replacement	2,835	0	2,835												
FD-17-0008	Replace 3 Notebook Computers	Replacement	9,001	0	9,001												
FD-17-0009	Replace Rescue 1 at Station 1	Replacement	110,000	110,000	0												
FD-17-0010	Carbon Monoxide Detector Replacement (3 Stations)	Replacement	2,975	0	2,975												
FD-17-0011	Intelligent Training System (Fire Extinguisher Training)	New	10,000	10,000	0												
FD-17-0012	Engine 1 Station 1 (carry forward FD-16-0007)	Replacement	495,000	495,000	0												
FD-17-0013	Firefighter Boot Replacement Program (carry forward FD-16-0001)	Replacement	1,627	1,627	0												
FD-17-0014	Fire Master Plan (carry forward FD-16-0013)	Studies	65,000	65,000	0												
FD-17-0015	Gesto Washroom Upgrades	Upgrade	1,814	0	1,814												
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-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-19-0006	Replace Engine 3A at Station 3	Replacement							400,000	400,000	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-19-0013	Replace Station 3 Platform Truck	Replacement							1,500,000	1,500,000	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-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



## 2017 - 2021 Capital Budget

Department: Protection to Persons and Property  
 Division: Fire

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
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													400,000	400,000	0
<b>Total</b>			751,067	681,627	69,440	52,815	52,815	0	2,296,103	2,296,103	0	65,481	65,481	0	574,481	574,481	0



## 2017 - 2021 Capital Budget

**Funded by: Property Tax Supported**

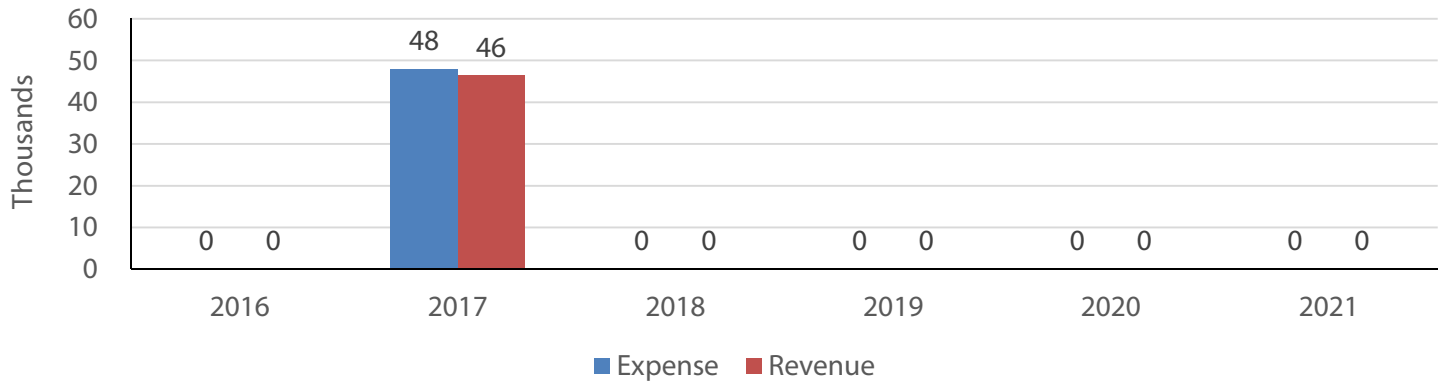
**Department: Protection to Persons and Property**

**Division: Building**

### Executive Summary

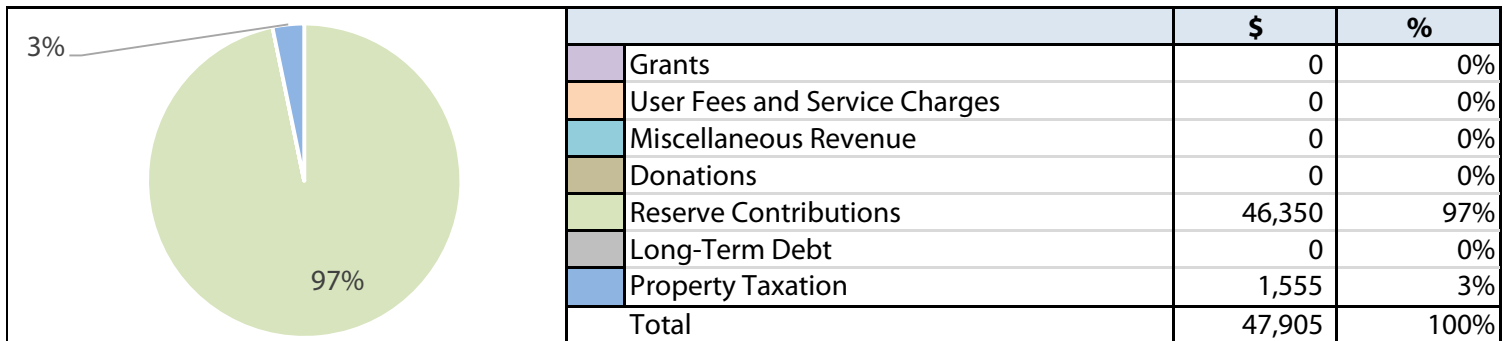
The 2017 Capital Budget for Building consists of building upgrades to the washroom at the Gesto office, and an additional vehicle related to a new staff compliment.

### Expense versus Revenue



### Analysis of Revenue Source for 2017

For 2017 the largest funding source for Building under the Capital Budget is Contributions from Reserve at \$46,000 or 97%. Building is 80% funded from User Fees and 20% funded from Property Taxation.



### Future Capital and Contributions to Reserve

The 2017 Operating Budget for Building includes a reserve transfer or lifecycle allocation for future capital assets in the amount of \$18,000. This amount is for future building and equipment replacement.

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

The amount of revenue from LTD under the capital budget for Building in 2017 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.



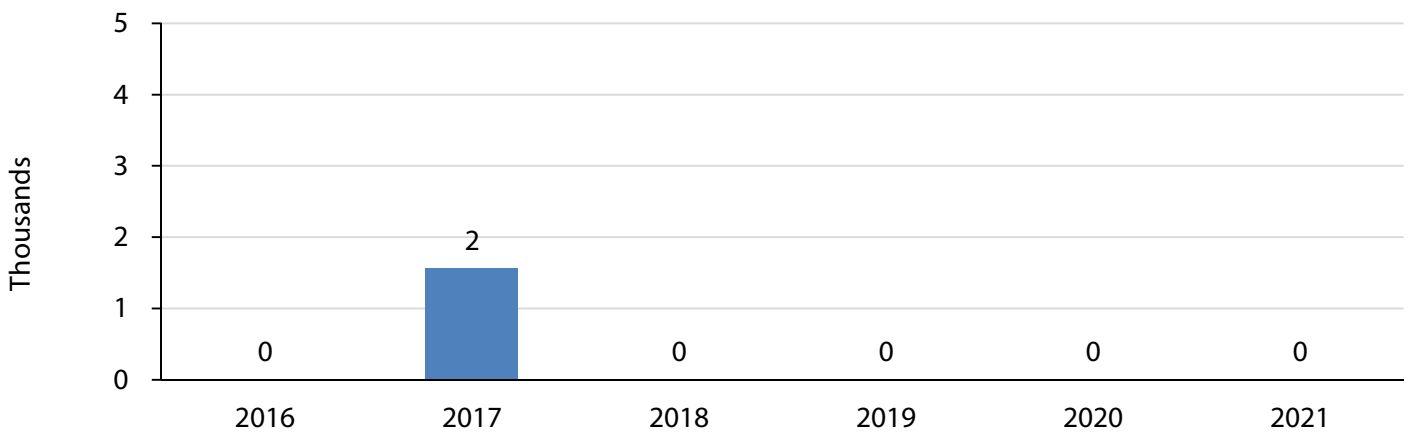


# 2017 - 2021 Capital Budget

Department: Protection to Persons and Property  
 Division: Building

Summary			Budget	Change		Forecast			
Category	2015 Actuals	2016 Budget	2017	\$	%	2018	2019	2020	2021
Expenses	1,538	0	47,905	47,905	100%	0	0	0	0
Revenues	1,538	0	46,350	46,350	100%	0	0	0	0
<b>Net</b>	<b>0</b>	<b>0</b>	<b>1,555</b>	<b>1,555</b>	<b>100%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Net Capital Budget (2016 to 2021)

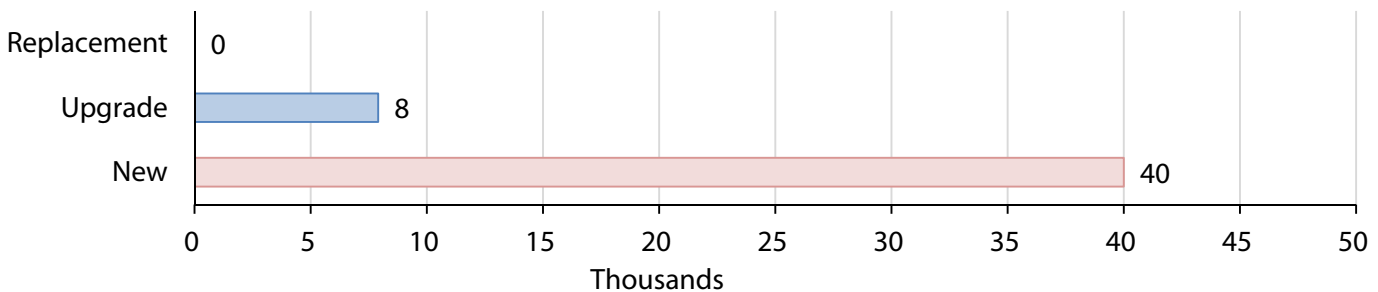


## Asset Management Lifecycle Implications

Assets under Building 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.

## 2017 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	40,000
Estimated Useful Life	10 years
<b>Annual Lifecycle Requirement</b>	<b>4,000</b> per year



## 2018 - 2021 Capital Budget

Department: Protection to Persons and Property

Division: Building

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
BD-17-0001	Additional Vehicle	New	40,000	40,000	0												
BD-17-0002	Gesto Washroom Upgrades (Building)	Upgrade	6,350	6,350	0												
BD-17-0003	Gesto Washroom Upgrades (Bylaw)	Upgrade	1,555	0	1,555												
<b>Total</b>			47,905	46,350	1,555												



## 2017 - 2021 Capital Budget

**Funded by: Property Tax Supported**

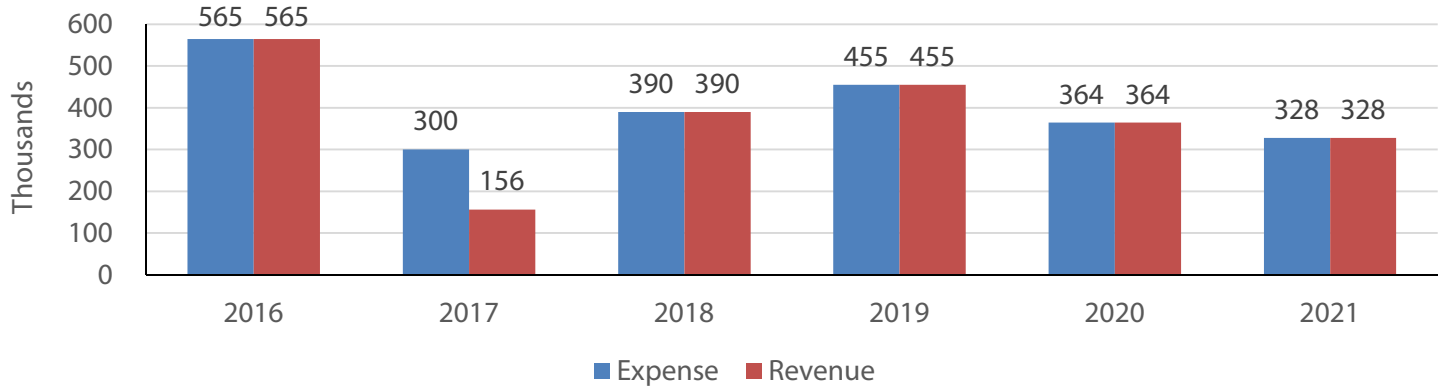
**Department: Public Works**

**Division: Equipment and Administration**

### Executive Summary

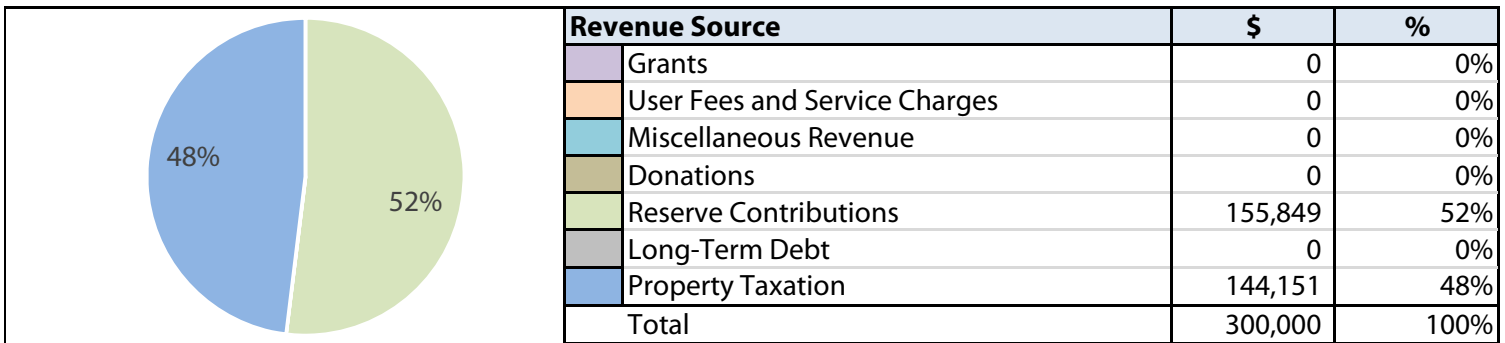
The 2017 Capital Budget for Public Works - Equipment and Administration consists of upgrades and repairs to buildings and equipment. The largest single capital expenditure under Equipment and Administration is for the replacement of a 5 Ton Dump and Plow Truck at a budgeted amount of \$235,000.

### Expense versus Revenue



### Analysis of Revenue Source for 2017

For 2017 the largest funding source for Public Works - Equipment and Administration under the Capital Budget is from Property Taxation at \$144,000 or 48%. The second largest funding source is Contributions from Reserve at \$156,000 or 52%.



### Future Capital and Contributions to Reserve

The 2017 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 2017 under the Public Works - Equipment and Administration Operating Budget are budgeted at \$185,000.

### 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 2017 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.

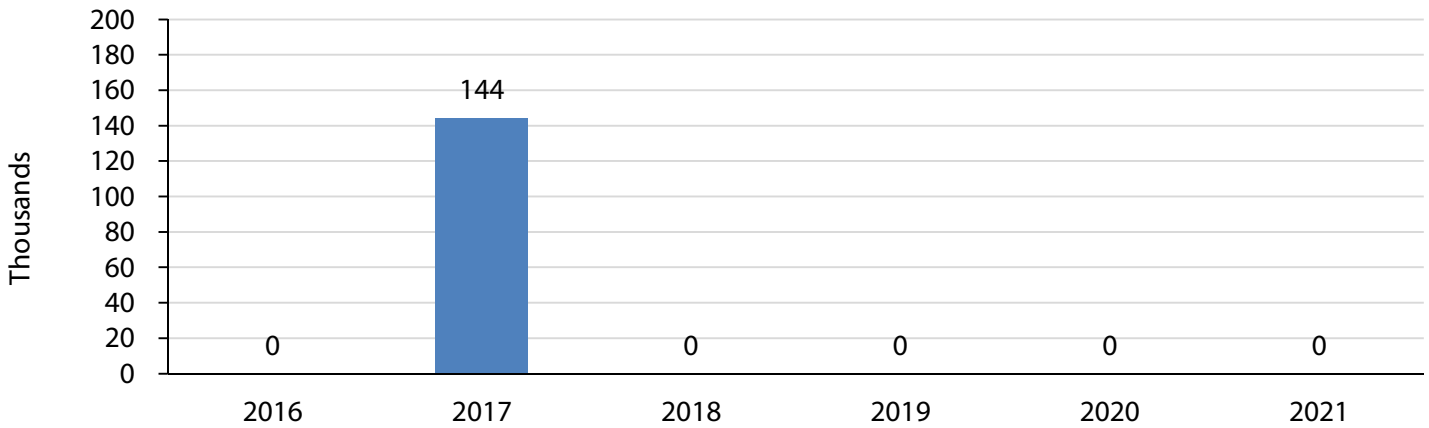


# 2017 - 2021 Capital Budget

Department: Public Works  
 Division: Equipment and Administration

Summary			Budget	Change		Forecast			
Category	2015 Actual	2016 Budget	2017	\$	%	2018	2019	2020	2021
Expenses	285,765	564,596	300,000	(264,596)	-47%	390,000	455,000	364,220	327,721
Revenues	285,765	564,596	155,849	(408,747)	-72%	390,000	455,000	364,220	327,721
<b>Net</b>	<b>0</b>	<b>0</b>	<b>144,151</b>	<b>144,151</b>	<b>100%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Net Capital Budget (2016 to 2021)

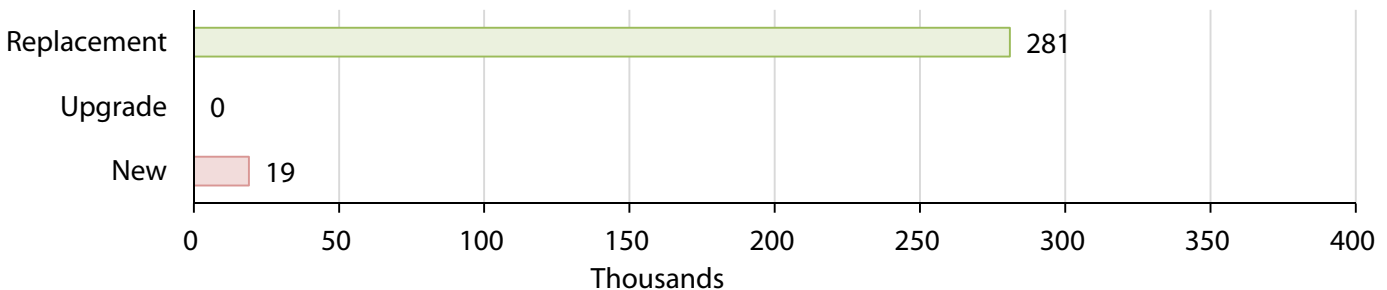


## Asset Management Lifecycle Implications

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.

## 2017 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	19,000
Estimated Useful Life	10 years
<b>Annual Lifecycle Requirement</b>	<b>1,900 per year</b>



# 2017 - 2021 Capital Budget

Department: Public Works

Division: Equipment and Administration

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
PW-17-0001	5-Ton Dump/Plow Unit #509-95	Replacement	235,000	140,689	<b>94,311</b>												
PW-17-0005	Hot Water Power Washer	Replacement	6,000	0	<b>6,000</b>												
PW-17-0036	Broom Attachments	New	7,000	0	<b>7,000</b>												
PW-17-0038	Bush Hog Mower	Replacement	22,000	0	<b>22,000</b>												
PW-17-0040	One-Way Plow	Replacement	7,500	0	<b>7,500</b>												
PW-17-0041	Replace Furnace at Harrow Building (cf PW-16-0012)	Replacement	7,000	7,000	<b>0</b>												
PW-17-0044	Asbestos Abatement at Harrow Public Works Shop	Replacement	3,500	0	<b>3,500</b>												
PW-17-0048	Mobile Drafting Table	New	12,000	8,160	<b>3,840</b>												
PW-18-0019	15-Ton Dump/Plow	Replacement				280,000	280,000	<b>0</b>									
PW-18-0020	Pickup Truck	Replacement				35,000	35,000	<b>0</b>									
PW-18-0027	Tractor Unit #521-93	Replacement				75,000	75,000	<b>0</b>									
PW-19-0001	5 Ton Dump/Plow Unit #519-94	Replacement							235,000	235,000	<b>0</b>						
PW-19-0002	Sterling Acterra Unit #529-09	Replacement							200,000	200,000	<b>0</b>						
PW-19-0003	Bush Hog Mower	Replacement							20,000	20,000	<b>0</b>						
PW-20-0001	5-Ton Dump/Plow Unit #508-00	Replacement										220,000	220,000	<b>0</b>			
PW-20-0002	Air Compressor	Replacement										5,610	5,610	<b>0</b>			
PW-20-0003	Air Conditioner	Replacement										5,610	5,610	<b>0</b>			
PW-20-0004	Tractor/Grader Unit #505-86	Replacement										130,000	130,000	<b>0</b>			
PW-20-0005	Power Washer	Replacement										3,000	3,000	<b>0</b>			
PW-21-0001	Pickup Truck	Replacement													34,000	34,000	<b>0</b>
PW-21-0002	Air Conditioner Tester	Replacement													2,887	2,887	<b>0</b>
PW-21-0003	AVL Guidance System	Replacement													5,334	5,334	<b>0</b>
PW-21-0004	Cutting/Pruning Saw	Replacement													2,500	2,500	<b>0</b>
PW-21-0005	Mig Welder	Replacement													3,000	3,000	<b>0</b>
PW-21-0012	15-Ton Dump/Plow	Replacement													280,000	280,000	<b>0</b>
<b>Total</b>			<b>300,000</b>	<b>155,849</b>	<b>144,151</b>	<b>390,000</b>	<b>390,000</b>	<b>0</b>	<b>455,000</b>	<b>455,000</b>	<b>0</b>	<b>364,220</b>	<b>364,220</b>	<b>0</b>	<b>327,721</b>	<b>327,721</b>	<b>0</b>



## 2017 - 2021 Capital Budget

**Funded by: Property Tax Supported**

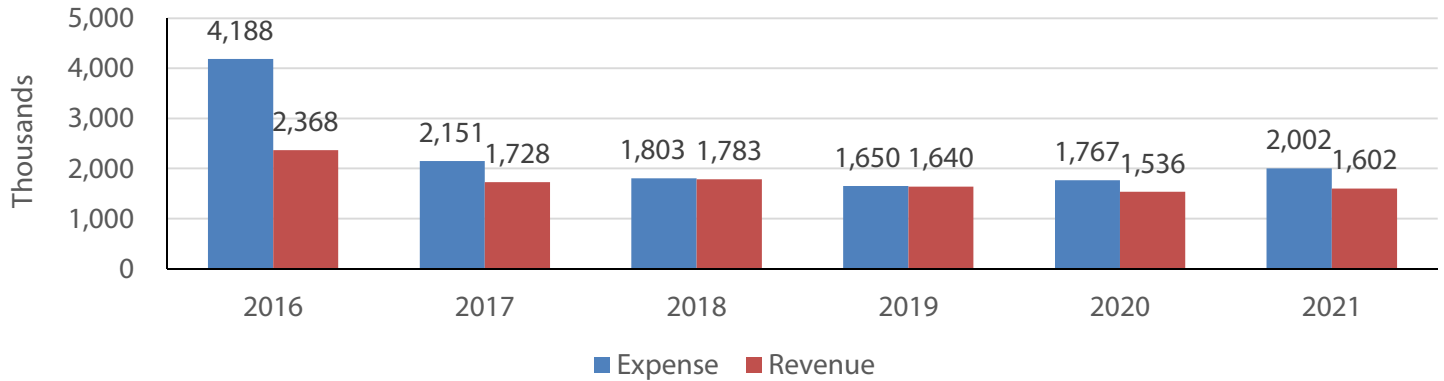
**Department: Public Works**

**Division: Roads and Roadside**

### Executive Summary

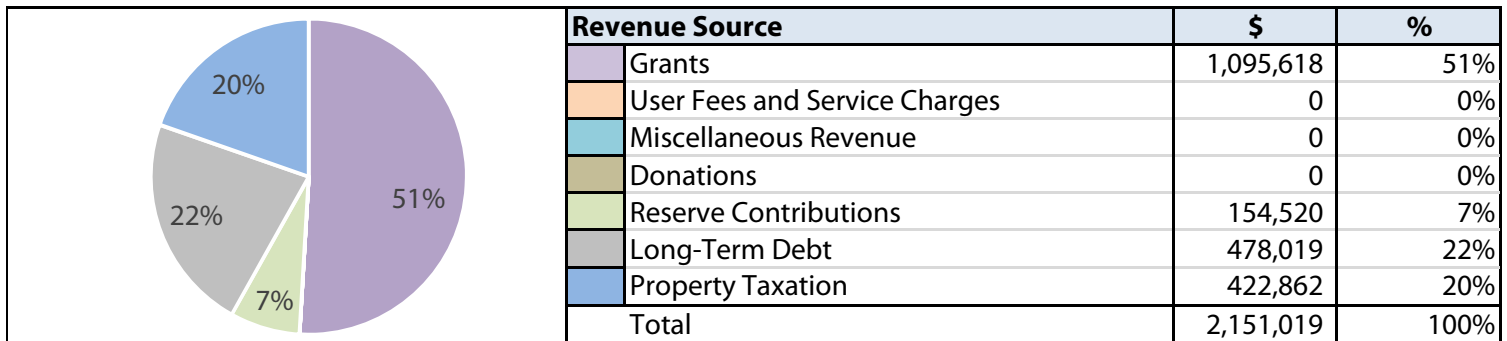
The 2017 Capital Budget for Public Works - Roads and Roadside consists of the full or partial replacement of ten municipal roads.

### Expense versus Revenue



### Analysis of Revenue Source for 2017

For 2017 the largest funding source for Public Works - Roads and Roadside under the Capital Budget is from Grants (Gas Tax, OCIF Formula Based) at \$1.1 Million or 51%. The remainder of this budget is funded from Property Tax in the amount of \$423,000, Contributions from Reserve of \$155,000, and Long-Term Debt of \$478,000.



### Future Capital and Contributions to Reserve

The 2017 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 \$125,000.

### 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 2017 is \$478,000. 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 \$127,000.

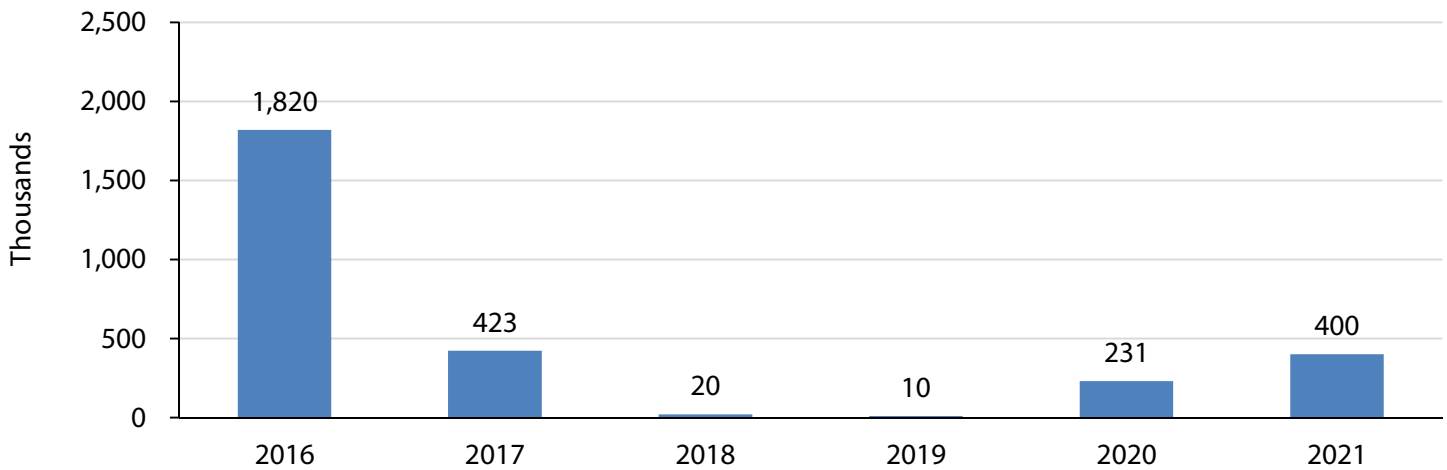


# 2017 - 2021 Capital Budget

Department: Public Works  
 Division: Roads and Roadside

Summary			Budget	Change		Forecast			
	2015 Actual	2016 Budget	2017	\$	%	2018	2019	2020	2021
Expenses	4,908,421	4,188,255	2,151,019	(2,037,236)	-49%	1,802,673	1,650,000	1,767,000	2,002,000
Revenues	4,215,805	2,368,131	1,728,157	(639,974)	-27%	1,782,673	1,639,976	1,535,906	1,602,000
<b>Net</b>	<b>692,616</b>	<b>1,820,124</b>	<b>422,862</b>	<b>(1,397,262)</b>	<b>-77%</b>	<b>20,000</b>	<b>10,024</b>	<b>231,094</b>	<b>400,000</b>

## Net Capital Budget (2016 to 2021)

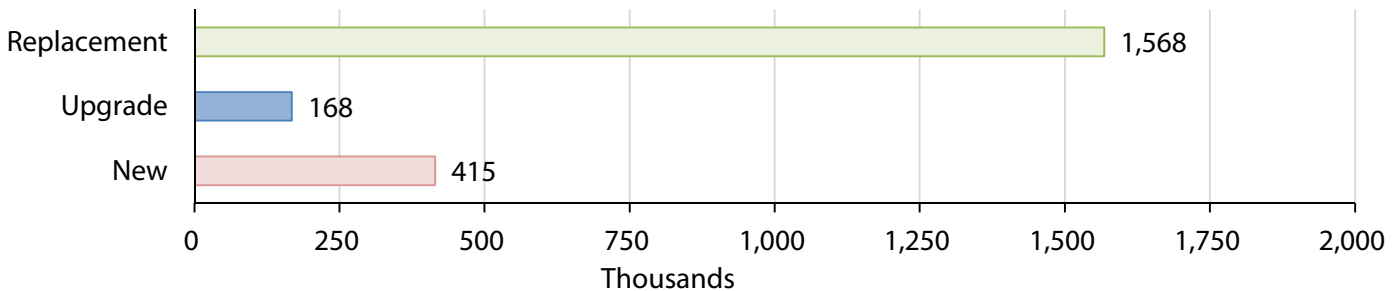


## Asset Management Lifecycle Implications

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.

## 2017 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	415,000
Estimated Useful Life	10 years
<b>Annual Lifecycle Requirement</b>	<b>41,500</b> per year



# 2017 - 2021 Capital Budget

Department: Public Works  
Division: Roads and Roadside

Project Number	Project Name	Project Type	Budget			Forecast											
			2017 Approved Budget			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
PW-17-0008	14th Concession between County Road 11 to Old Walker Sideroad (Base Lift)	Upgrade	53,000	53,000	0												
PW-17-0050	Old Walker Sideroad (Base Lift)	Upgrade	115,000	115,000	0												
PW-17-0009	3rd Concession between Drummond to County Road 20	Replacement	380,000	380,000	0												
PW-17-0010	Tremblay between North Malden Road and County Road 15 (Single Lift-Maintenance)	Replacement	80,000	80,000	0												
PW-17-0011	South Malden Road between County Road 11 and County Road 15 (Single Lift-Maintenance)	Replacement	150,000	147,618	2,382												
PW-17-0012	North Malden Road between Highway 3 and 13th Concession (Maintenance)	Replacement	345,000	320,000	25,000												
PW-17-0013	Ridge Road (Geotechnical Proposal)	Replacement	20,000	0	20,000												
PW-17-0021	Rural Streetlight Installation	New	40,000	0	40,000												
PW-17-0022	Sidewalks/Trails	New	375,000	45,000	330,000												
PW-17-0049	Erie Road between Clark and County Road 20 carry forward	Replacement	478,019	478,019	0												
PW-17-0051	Gesto Sideroad (Final Lift) carry forward PW-16-0015	Replacement	115,000	109,520	5,480												
PW-18-0001	Old Malden Road between 14th Concession and 12th Concession (Final Lift)	Upgrade				53,000	53,000	0									
PW-18-0005	Iler Road (County Road 20 and Huffman) (Maintenance)	Replacement				220,000	220,000	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-18-0013	Rural Streetlight Installation (Colchester Village)	New				20,000	0	20,000									
PW-18-0022	Irwin Avenue (Arthur and Brien Phase 1) (Urban Construction)	Replacement				428,673	428,673	0									
PW-18-0023	Irwin Avenue (Arthur and Brien Phase 1) (Urban Engineering)	Replacement				26,000	26,000	0									
PW-19-0008	North Malden Road between Gesto Sideroad and County Road 15 (Maintenance)	Replacement							340,000	340,000	0						
PW-19-0009	Iler Road between County Road 50 and Huffman	Replacement							245,000	245,000	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-19-0019	Rural Streetlight Installation (Colchester Village)	New							20,000	9,976	10,024						
PW-19-0030	Irwin Ave (Arthur and Brien Phase 2) (Urban Construction)	Replacement							495,000	495,000	0						
PW-20-0009	North Malden Road (County Road 15 and Walker Sideroad) (Maintenance)	Replacement										442,000	442,000	0			
PW-20-0010	8th Concession between Coulter and County Road 23	Replacement										635,000	635,000	0			
PW-20-0011	Overlay 6km (Approximately \$25,000/km) (Maintenance)	Replacement										150,000	150,000	0			
PW-20-0014	Walnut Street between County Road 20 and Givern Road	Replacement										65,000	65,000	0			
PW-20-0016	Rural Streetlight Installation (Colchester Village)	New										25,000	0	25,000			
PW-20-0017	Sidewalks/Trails	New										450,000	243,906	206,094			
PW-21-0009	North Malden Road (County Road 15 and Walker Sideroad)	Replacement													442,000	442,000	0
PW-21-0013	Overlay 6km (Approximately \$25,000/km) (Maintenance)	Replacement													150,000	150,000	0
PW-21-0014	Walnut Street between County Road 20 and Given Road	Replacement													935,000	935,000	0
PW-21-0007	Sidewalks/Trails	New													450,000	75,000	375,000
PW-21-0008	Rural Streetlight Installation	New													25,000	0	25,000
<b>Total</b>			2,151,019	1,728,157	422,862	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





## 2017 - 2021 Capital Budget

**Funded by: Property Tax Supported**

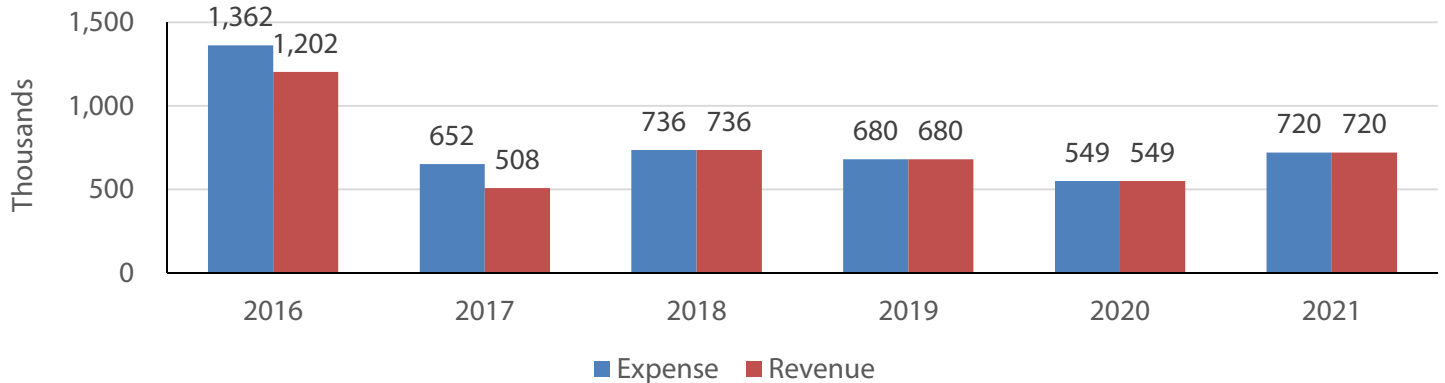
**Department: Public Works**

**Division: Stormwater Management**

### Executive Summary

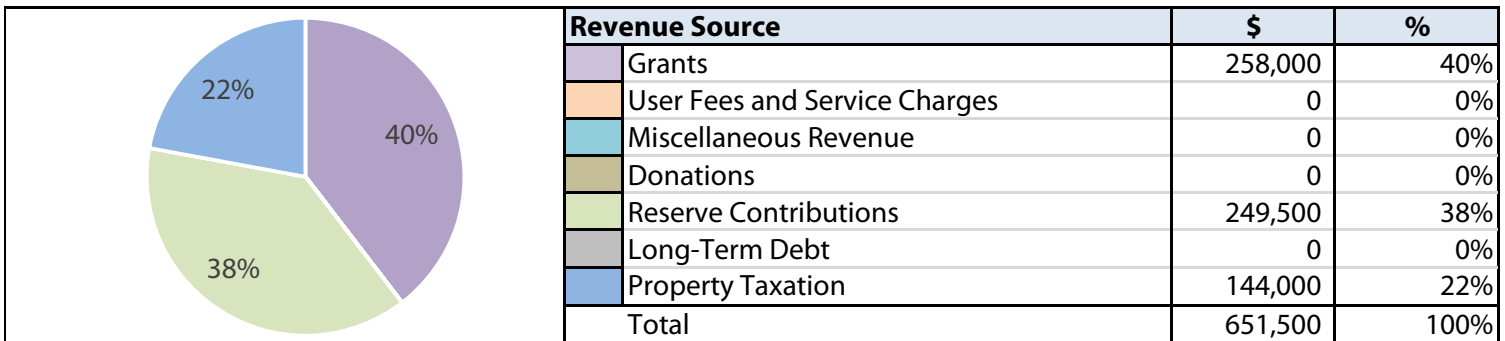
The 2017 Capital Budget for Public Works - Stormwater Management consists of rehabilitation work to ten bridges or culverts within the Municipality in the form of either engineering or construction.

### Expense versus Revenue



### Analysis of Revenue Source for 2017

For 2017 the largest funding source for Public Works - Stormwater Management is funded from Grants at 40% or \$258,000. The remainder of this budget is funded from Contributions from Reserve in the amount of \$249,500 or 38% and Property Tax at \$144,000 or 22%.



### 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 \$393,00.

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

The amount of revenue from LTD under the capital budget for Public Works - Stormwater in 2017 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.

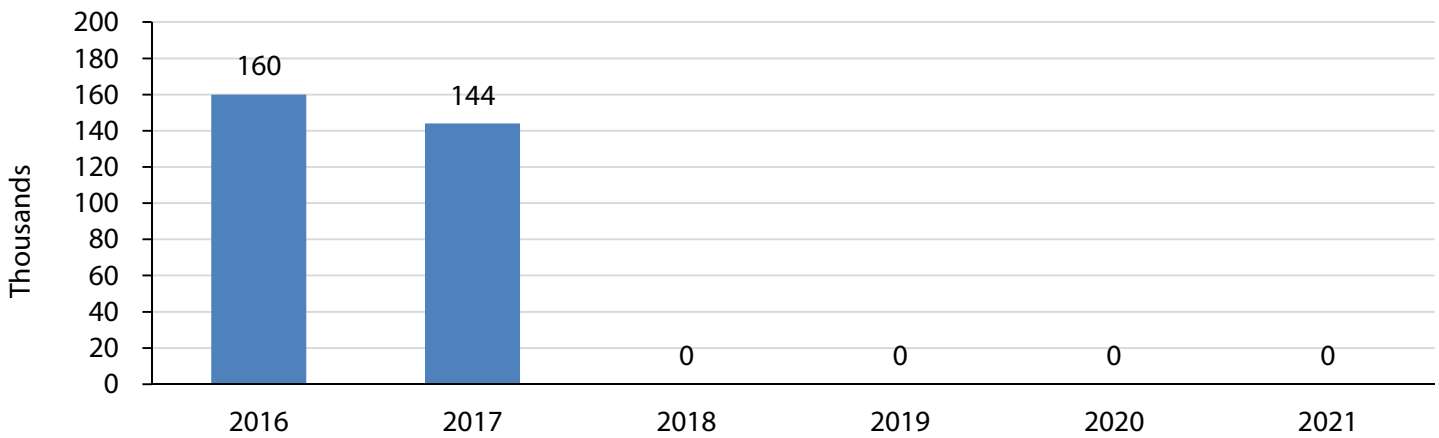


# 2017 - 2021 Capital Budget

Department: Public Works  
 Division: Stormwater Management

Summary			Budget	Change		Forecast			
Category	2015 Actual	2016 Budget	2017	\$	%	2018	2019	2020	2021
Expenses	219,895	1,362,203	651,500	(710,703)	-52%	735,877	679,500	549,000	719,500
Revenues	219,895	1,202,203	507,500	(694,703)	-58%	735,877	679,500	549,000	719,500
<b>Net</b>	<b>0</b>	<b>160,000</b>	<b>144,000</b>	<b>(16,000)</b>	<b>-10%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Net Capital Budget (2016 to 2021)

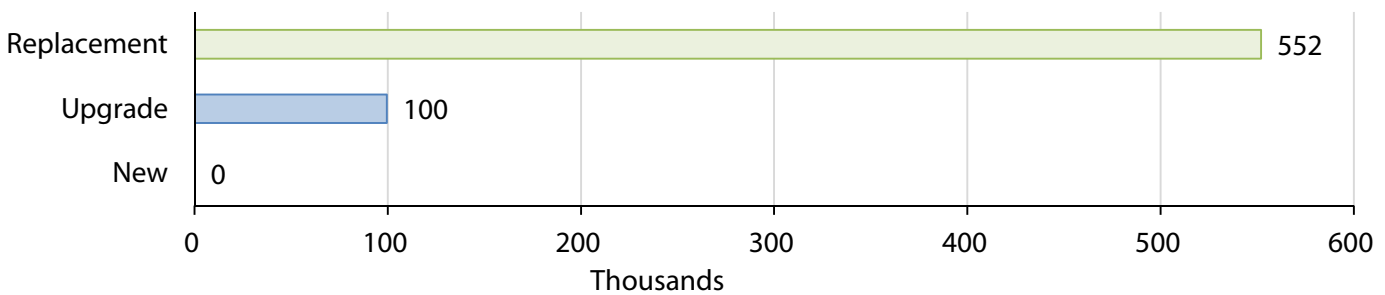


## Asset Management Lifecycle Implications

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.

## 2017 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
<b>Annual Lifecycle Requirement</b>	<b>- per year</b>



# 2017 - 2021 Capital Budget

Department: Public Works  
Division: Stormwater Management

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
PW-17-0023	9891 9th Concession Culvert 100801 (Construction)	Replacement	150,000	150,000	0												
PW-17-0024	14th Concession and Hyland Road Bridge 103301 (Construction)	Replacement	18,000	0	18,000												
PW-17-0025	North Malden Road and Gesto Road Bridge 103802 (Construction)	Replacement	108,000	108,000	0												
PW-17-0026	South Malden Road and Brush Road Bridge 103902 (Construction)	Replacement	36,000	0	36,000												
PW-17-0027	South Malden Road and 9th Concession Bridge 103903 (Construction)	Replacement	24,000	24,000	0												
PW-17-0029	5th Concession and McCormick Bridge 200404 (Construction)	Replacement	48,000	48,000	0												
PW-17-0030	Dolson Road Bridge 203301 (Construction)	Replacement	78,000	78,000	0												
PW-17-0031	3rd Concession and Suffolk Culvert 200203 (Engineering)	Replacement	25,000	0	25,000												
PW-17-0043	Bellcreft Beach Drainage (carry forward PW-16-0033/PW-15-0032)	Upgrade	99,500	99,500	0												
PW-17-0046	Bridge 200302 (Engineering)	Replacement	25,000	0	25,000												
PW-17-0047	Miscellaneous Bridges Construction (Engineering)	Replacement	40,000	0	40,000												
PW-18-0024	3rd Concession and Suffolk Culvert 200203 (Construction)	Replacement				499,000	499,000	0									
PW-18-0016	Engineering for Various Bridges and Culverts	Replacement				40,000	40,000	0									
PW-18-0017	Irwin Ave between Arthur and Brien Phase 2 (Urban Construction)	Replacement				188,377	188,377	0									
PW-18-0018	Irwin Ave between Arthur and Brien Phase 2 (Urban Engineering)	Replacement				8,500	8,500	0									
PW-19-0022	McCormick Sideroad and 14th Concession Culvert 208002 (Construction)	Replacement							140,000	140,000	0						
PW-19-0023	4th Concession and Drummond Bridge 200302 (Construction)	Replacement							219,000	219,000	0						
PW-19-0024	Coulter Sideroad Bridge 102205	Replacement							169,000	169,000	0						
PW-19-0025	Engineering for Various Bridges and Culverts	Replacement							25,000	25,000	0						
PW-19-0028	Irwin Avenue (Arthur and Brien) Phase 2	Replacement							126,500	126,500	0						
PW-20-0018	South Malden Road and Mole Sideroad Bridge 103904	Replacement										165,000	165,000	0			
PW-20-0019	Pinkerton and 14th Concession Bridge 105302	Replacement										96,000	96,000	0			
PW-20-0020	3rd Concession and County Road 23 Bridge 200204	Replacement										45,000	45,000	0			
PW-20-0021	Engineering for Various Bridges and Culverts	Replacement										40,000	40,000	0			
PW-20-0022	6th Concession Bridge 200500	Replacement										28,000	28,000	0			
PW-20-0023	6th Concession and Marsh Bridge 200501	Replacement										27,000	27,000	0			
PW-20-0027	Ferris Road Bridge 204004	Replacement										102,000	102,000	0			
PW-20-0028	12th Concession and County Road 11 Bridge 100302	Replacement										28,000	28,000	0			
PW-20-0029	Walnut Street between County Road 20 and Given Road (Design)	Replacement										18,000	18,000	0			
PW-21-0010	3rd Concession Bridge 200303	Replacement													217,000	217,000	0
PW-21-0015	5th Concession and McCormick Bridge 200404	Replacement													237,000	237,000	0
PW-21-0016	Walnut Street between County Road 20 and Given Road (Construction)	Replacement													225,500	225,500	0
PW-21-0011	Engineering for Various Bridges and Culverts	Replacement													40,000	40,000	0
<b>Total</b>			651,500	507,500	144,000	735,877	735,877	0	679,500	679,500	0	549,000	549,000	0	719,500	719,500	0



## 2017 - 2021 Capital Budget

**Funded by:** Property Tax Supported

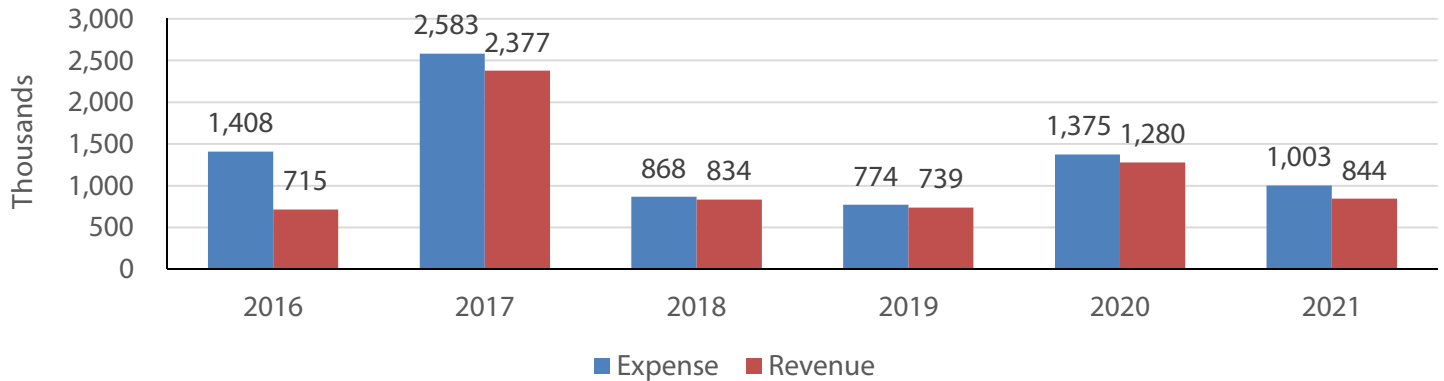
**Department:** Community Services

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

### Executive Summary

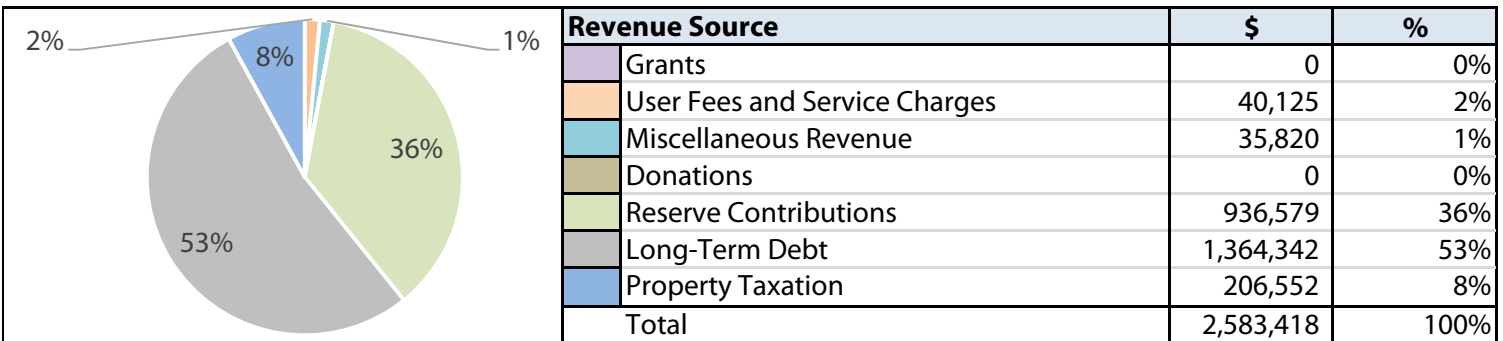
The 2017 Capital Budget for Community Services consists of upgrades and repairs to buildings, the acquisition of various pieces of machinery and equipment, and the various carry-forward projects like the electric vehicle charging stations and the funding of the new Essex recreation lands.

### Expense versus Revenue



### Analysis of Revenue Source for 2017

For 2017 the largest funding source for Community Services under the Capital Budget is from Long-Term Debt at \$1.4 million or 53%. The second largest funding source is Contributions from Reserves at \$937,000 or 36%. Miscellaneous Revenue includes 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 2017 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 2017 under the Community Services department are budgeted at \$311,000.

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

The amount of revenue from LTD under the capital budget for Community Services in 2017 is \$1.4 Million. 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 \$142,000.

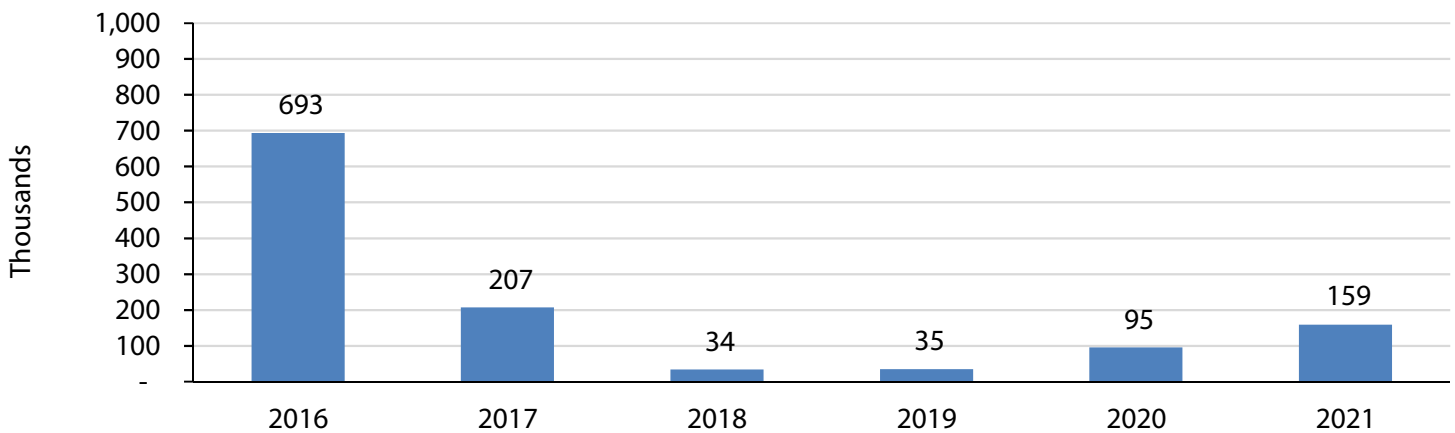


# 2017 - 2021 Capital Budget

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

Summary			Budget	Change		Forecast			
	2015 Actual	2016 Budget	2017	\$	%	2018	2019	2020	2021
Expenses	1,680,723	1,407,785	2,583,418	1,175,633	84%	867,902	773,829	1,374,974	1,002,640
Revenues	1,520,138	714,574	2,376,866	1,662,292	233%	834,366	738,829	1,279,974	843,640
<b>Net</b>	<b>160,585</b>	<b>693,211</b>	<b>206,552</b>	<b>(486,659)</b>	<b>-70%</b>	<b>33,536</b>	<b>35,000</b>	<b>95,000</b>	<b>159,000</b>

## Net Capital Budget (2016 to 2021)

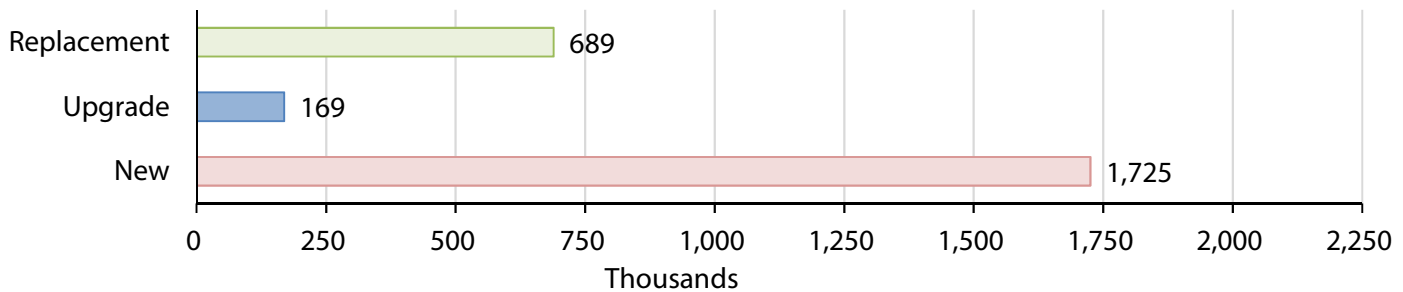


## Asset Management Lifecycle Implications

Assets under Community 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.

## 2017 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	1,725,223
Less: Land and Studies	(1,100,342)
	624,881
Estimated Useful Life	10 years
<b>Annual Lifecycle Requirement</b>	<b>62,488</b> per year



## 2017 - 2021 Capital Budget

Department: Community Services

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

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
CS-17-0009	Ball Diamond Rehabilitation (Annual)	Upgrade	15,000	0	<b>15,000</b>												
CS-17-0015	Roof Replacement at Harbour Restaurant	Replacement	20,000	6,776	<b>13,224</b>												
CS-17-0019	Soccer Field Upgrades	Upgrade	15,000	0	<b>15,000</b>												
CS-17-0021	Riding Floor Scrubber Replacement at McGregor and Essex Community Centre	Replacement	21,000	0	<b>21,000</b>												
CS-17-0025	Replace Belly Mount Mower Unit 822-86	Replacement	40,000	26,748	<b>13,252</b>												
CS-17-0027	Colchester Basketball Courts	Replacement	50,000	50,000	<b>0</b>												
CS-17-0043	Float D - 4 Finger Dock Replacement at Harbour	Replacement	135,000	135,000	<b>0</b>												
CS-17-0056	New Stairs at Harbour Restaurant	Replacement	120,000	120,000	<b>0</b>												
CS-17-0059	Ceiling Lift for Accessibility at Essex Recreation Complex	Replacement	14,750	7,375	<b>7,375</b>												
CS-17-0061	Hardsurface Trails	Upgrade	30,000	30,000	<b>0</b>												
CS-17-0066	Replace Unit 808-00 Dump Truck (carry forward CS-16-0004)	Replacement	59,000	59,000	<b>0</b>												
CS-17-0069	Water Line for Dog Park	New	10,000	0	<b>10,000</b>												
CS-17-0070	BAS Controller	Upgrade	5,000	0	<b>5,000</b>												
CS-17-0072	Replace Exit Doors and Frames at Essex Community Centre	Replacement	6,310	0	<b>6,310</b>												
CS-17-0073	Spill Pallets (2 - Harrow and Essex)	New	5,100	0	<b>5,100</b>												
CS-17-0077	New Exterior Lights and Main Lobby Light at Essex Centre Sports Complex	Replacement	17,835	0	<b>17,835</b>												
CS-17-0078	Harbour Building Conversion to Community Room	Replacement	85,000	85,000	<b>0</b>												
CS-17-0079	Remove Flower Beds and replace with planters in Essex Centre	New	36,500	25,000	<b>11,500</b>												
CS-17-0081	Replace Rubber Tiles with Poured Rubber at Playground at McGregor Community Centre	Replacement	60,000	58,583	<b>1,417</b>												
CS-17-0085	Removal and Disposal of D-Dock	Upgrade	7,000	0	<b>7,000</b>												
CS-17-0097	Fence at Colchester Park (Carry Forward CS-16-0042)	New	81,875	76,823	<b>5,052</b>												
CS-17-0101	Remove Vinyl Flooring and Replace with Tile in Dressing Room	Upgrade	25,000	12,500	<b>12,500</b>												
CS-17-0104	Capital Projects at Co-An Park	Replacement	21,640	10,820	<b>10,820</b>												
CS-17-0108	Recreation Lands (carry forward CS-16-0082)	New	1,100,342	1,100,342	<b>0</b>												
CS-17-0109	Electric Utility Vehicle (carry forward CS-16-0001)	New	6,000	5,000	<b>1,000</b>												
CS-17-0110	Picnic Tables for Various Parks (carry forward CS-16-0038)	Replacement	3,623	3,623	<b>0</b>												
CS-17-0111	Park Signage (carry forward CS-16-0039)	Replacement	20,000	19,145	<b>855</b>												
CS-17-0112	Two Aluminum Spectators Benches for Harrow Diamond 2 (carry forward CS-16-0044)	New	7,000	7,000	<b>0</b>												
CS-17-0113	Electrical Charging Stations (carry forward CS-16-0083)	New	252,820	252,820	<b>0</b>												
CS-17-0114	Colchester Community Garden (carry forward CS-16-0067/CS-15-0075)	New	5,000	2,938	<b>2,062</b>												
CS-17-0115	Board Room Construction at Harrow/Colchester South Arena (carry forward CS-16-0018)	New	20,000	20,000	<b>0</b>												
CS-17-0116	Gym A Storage Renovations (carry forward CS-16-0068/CS-15-0002)	Upgrade	35,000	27,500	<b>7,500</b>												
CS-17-0118	Divesture of Harbour (Study) (carry forward CS-16-0069/CS-15-0049)	New	79,722	79,722	<b>0</b>												
CS-17-0119	Heritage Garden Development (carry forward CS-16-0050)	New	31,452	31,452	<b>0</b>												
CS-17-0120	Beautification - Colchester Centre (carry forward CS-16-0073/CS-15-0076)	New	5,000	5,000	<b>0</b>												
CS-17-0121	Beautification - Harrow Centre (carry forward CS-16-0073/CS-15-0076)	New	25,545	25,545	<b>0</b>												





## 2017 - 2021 Capital Budget

Department: Community Services

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

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
CS-17-0122	New Mural (carry forward CS-16-0075/CS-15-0005)	New	2,761	2,761	0												
CS-17-0123	Pool Piping and Equipment Study at Essex Recreation Complex	New	5,500	2,750	2,750												
CS-17-0124	Projector at Harrow Arena	New	3,989	3,989	0												
CS-17-0125	Colchester Pavillion Remodelling	Replacement	15,000	0	15,000												
CS-17-0126	Park, Recreation and Culture Masterplan (carry forward CS-16-0061)	New	46,617	46,617	0												
CS-17-0127	Waterfront Access Upgrades (carry forward CS-16-0045)	Upgrade	20,000	20,000	0												
CS-17-0128	Refurbish Streetlights in Essex Centre (carry forward CS-16-0053)	Upgrade	17,037	17,037	0												
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				3,466	3,466	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				81,000	81,000	0									
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	321,337	28,663									
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-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-19-0027	Colchester Building Upper Parking Lot	Upgrade							0	0	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 Sports Complex	Replacement							10,000	10,000	0						
CS-19-0031	New Signage Shared with Essex Library	Replacement							30,000	30,000	0						
CS-19-0032	Colchester Community Centre Upgrades (carry forward CS-16-0049)	Upgrade							75,000	75,000	0						
CS-19-0033	Roof Replacement over Essex Library	Replacement							100,000	100,000	0						



# 2017 - 2021 Capital Budget

Department: Community Services

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

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
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-19-0037	Colchester Harbour WiFi	New							5,000	0	5,000						
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 Centre Sports Complex	Replacement							3,058	3,058	0						
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	0	30,000						
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							40,000	40,000	0						
CS-19-0055	Lights at Essex Diamond 1	Upgrade							59,326	59,326	0						
CS-19-0056	Former Pool House Demolition	Upgrade							21,000	21,000	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-20-0008	Dock Scrubber Replacement	Replacement										0	0	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			





# 2017 - 2021 Capital Budget

Department: Community Services

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

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
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	0	15,000			
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	160,000	80,000			
CS-21-0001	Replace Ice Resurfacer 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-21-0011	Fence in All-Purpose Room at Essex Recreation Complex	Replacement													1,759	1,759	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 Diamand 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	0	26,000
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	75,000	75,000
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
<b>Total</b>			2,583,418	2,376,866	206,552	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



## 2017 - 2021 Capital Budget

**Funded by:** Property Tax Supported

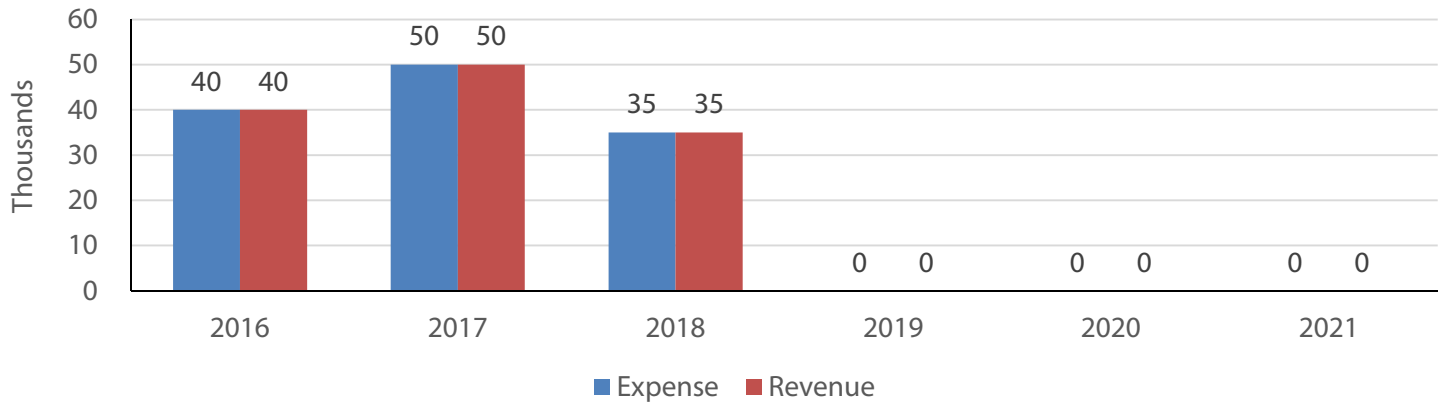
**Department:** Planning and Development

**Division:** Planning and Zoning

### Executive Summary

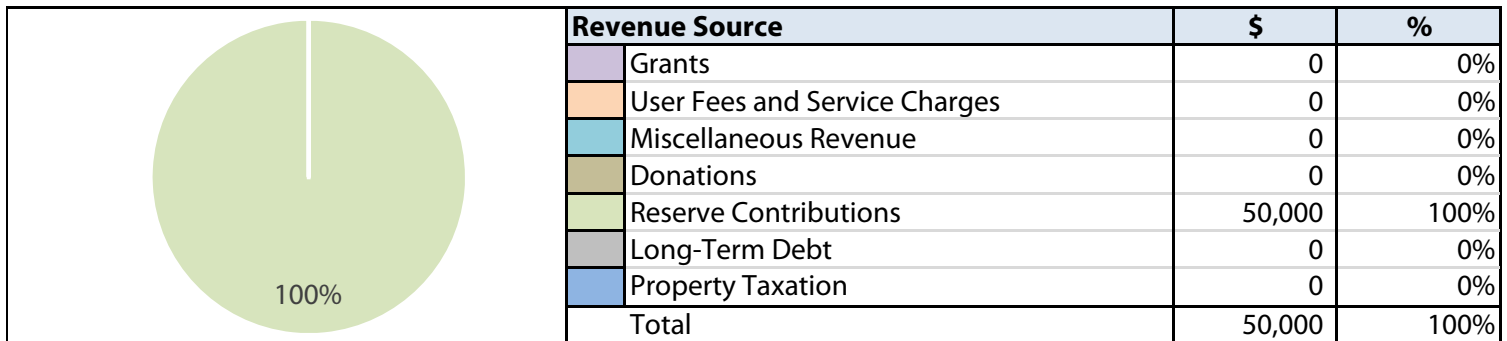
The 2017 Capital Budget for Planning and Development - Planning and Zoning consists of 2 carry-forward projects from 2016. These include the Development Standards Manual Review and the Official Plan Review.

### Expense versus Revenue



### Analysis of Revenue Source for 2017

For 2017 the largest funding source for Planning and Development - Planning and Zoning under the Capital Budget is Contributions from Reserve with funding of \$50,000 or 100%.



### Future Capital and Contributions to Reserve

The 2017 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 2017 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.

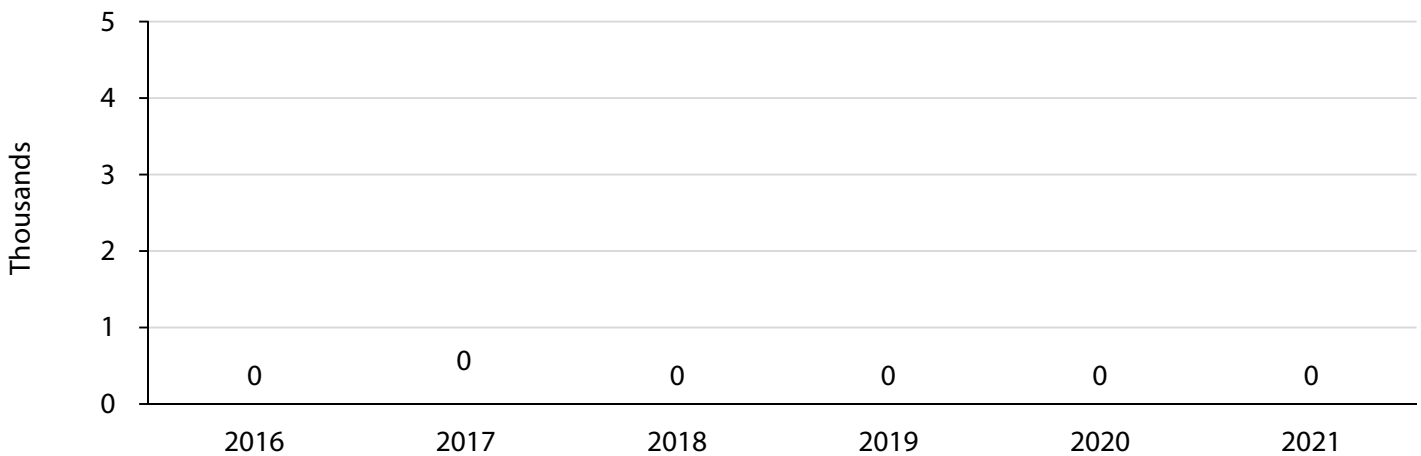


# 2017 - 2021 Capital Budget

Department: Planning and Development  
 Division: Planning and Zoning

Summary			Budget	Change		Forecast			
Category	2015 Actual	2016 Budget	2017	\$	%	2018	2019	2020	2021
Expenses	0	40,000	50,000	10,000	25%	35,000	0	0	0
Revenues	0	40,000	50,000	10,000	25%	35,000	0	0	0
<b>Net</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Net Capital Budget (2016 to 2021)

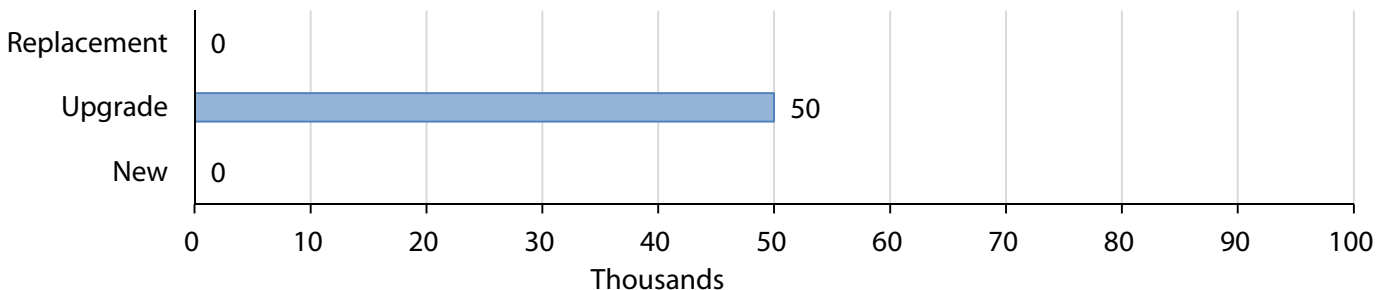


## Asset Management Lifecycle Implications

Assets under Planning and Development 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.

## 2017 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
<b>Annual Lifecycle Requirement</b>	<b>- per year</b>



## 2017 - 2021 Capital Budget

Department: Planning and Development

Division: Planning and Zoning

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
PZ-17-0001	Development Standards Manual Review (carry forward PZ-16-0001)	Studies	40,000	40,000	0												
PZ-17-0002	Official Plan Review (carry forward PZ-16-0002)	Studies	10,000	10,000	0												
PZ-18-0001	Development Charge Study	Studies				35,000	35,000	0									
<b>Total</b>			50,000	50,000	0	35,000	35,000	0									



## 2017 - 2021 Capital Budget

**Funded by:** Property Tax Supported

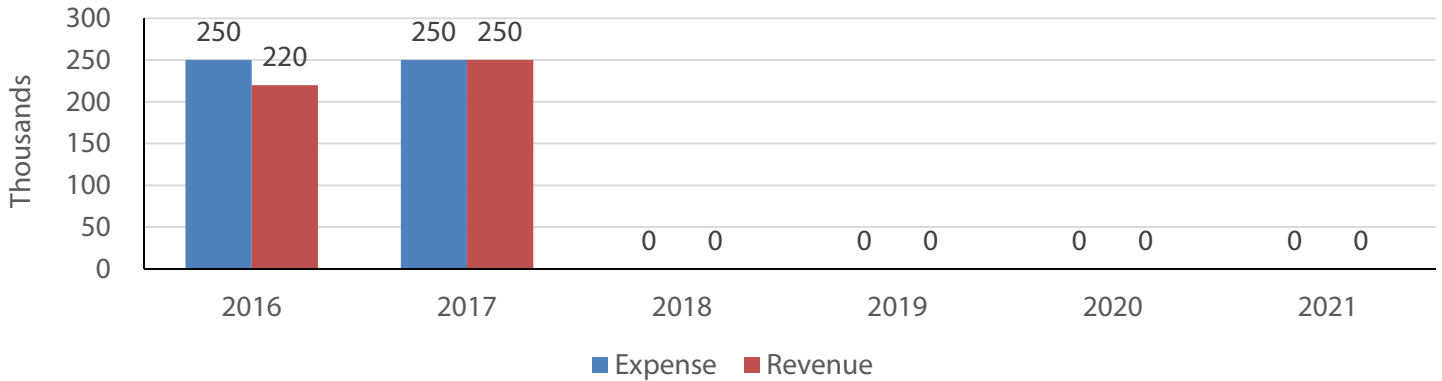
**Department:** Planning and Development

**Division:** Business Improvement Area

### Executive Summary

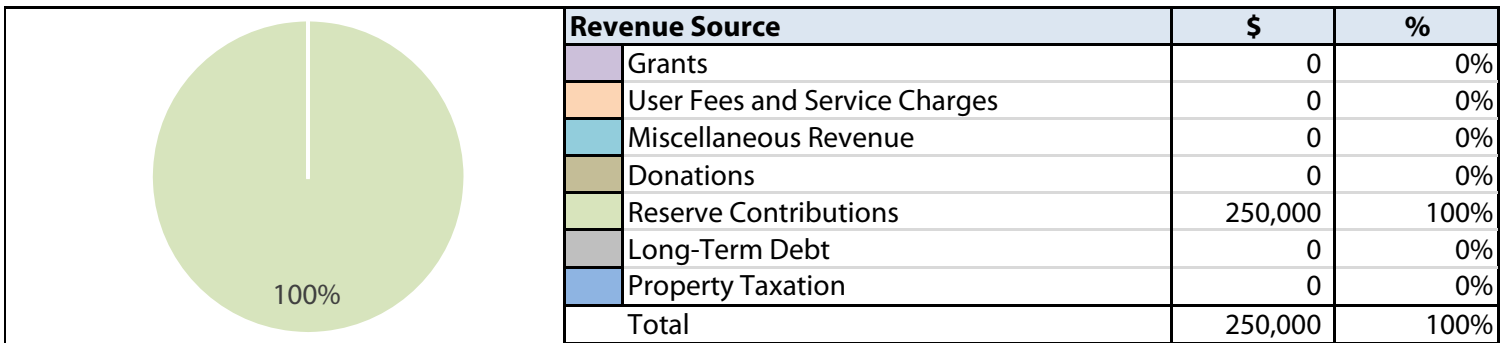
The 2017 Capital Budget for Planning and Development - Business Improvement Area consists of the Heritage Park Pavillion which is a carry-forward project from 2016.

### Expense versus Revenue



### Analysis of Revenue Source for 2017

For 2017 the largest funding source for Planning and Development - Business Improvement Area under the Capital Budget is Contributions from Reserve with funding of \$250,000 or 100%.



### Future Capital and Contributions to Reserve

The 2017 Operating Budget for Planning and Development - Business Improvement Area does not include any transfers to reserve for capital lifecycle contributions.

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

The amount of revenue from LTD under the capital budget for Planning and Development - Business Improvement Area in 2017 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.

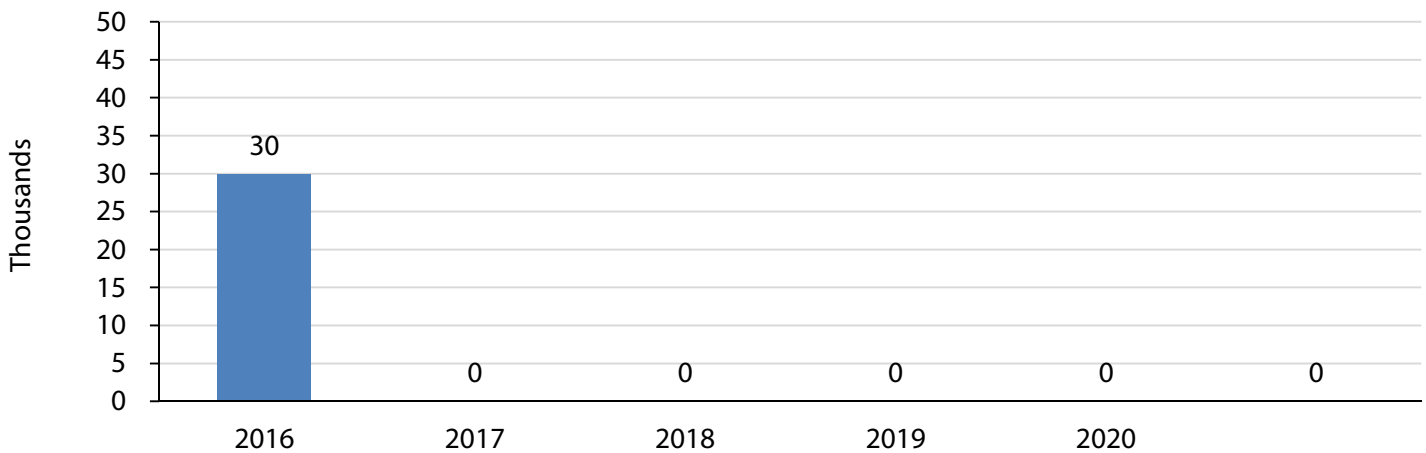


# 2017 - 2021 Capital Budget

Department: Planning and Development  
 Division: Business Improvement Area

Summary			Budget	Change		Forecast			
Category	2015 Actual	2016 Budget	2017	\$	%	2018	2019	2020	2021
Expenses	0	250,000	250,000	0	0%	0	0	0	0
Revenues	0	220,000	250,000	30,000	14%	0	0	0	0
<b>Net</b>	<b>0</b>	<b>30,000</b>	<b>0</b>	<b>(30,000)</b>	<b>-100%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Net Capital Budget (2016 to 2021)

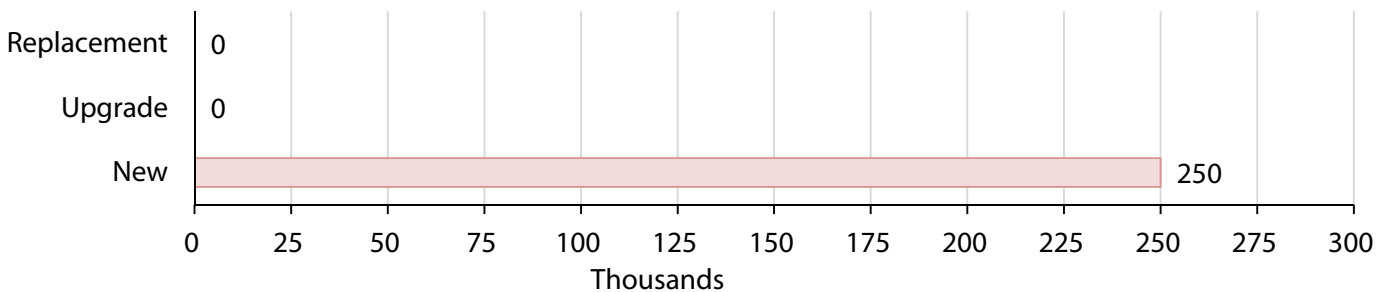


## Asset Management Lifecycle Implications

Assets under Planning and Development 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.

## 2017 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	250,000
Estimated Useful Life	10 years
<b>Annual Lifecycle Requirement</b>	<b>25,000</b> per year



## 2018 - 2021 Capital Budget

Department: Planning and Development  
 Division: Business Improvement Area

			Forecast To be deliberated by council at a later date														
			2017 Approved Budget			2018			2019			2020			2021		
Project Number	Project Name	Project Type	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
BI-17-0001	Heritage Park Pavillion (carry forward BI-16-0001)	New	250,000	250,000	0												
<b>Total</b>			<b>250,000</b>	<b>250,000</b>	<b>0</b>												



# 2017 - 2021 Capital Budget

**Funded by:** Property Tax Supported

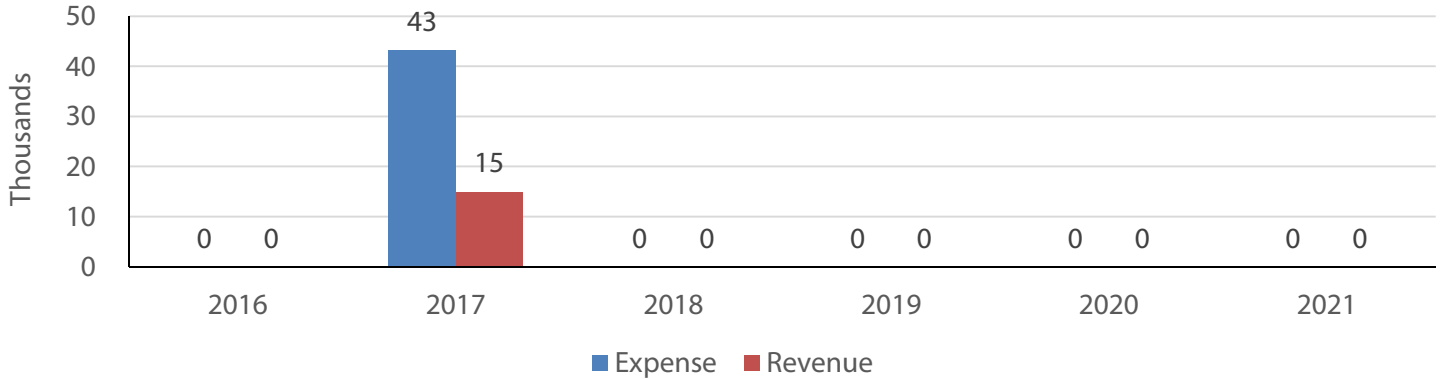
**Department:** Agriculture and Reforestation

**Division:** Drainage

## Executive Summary

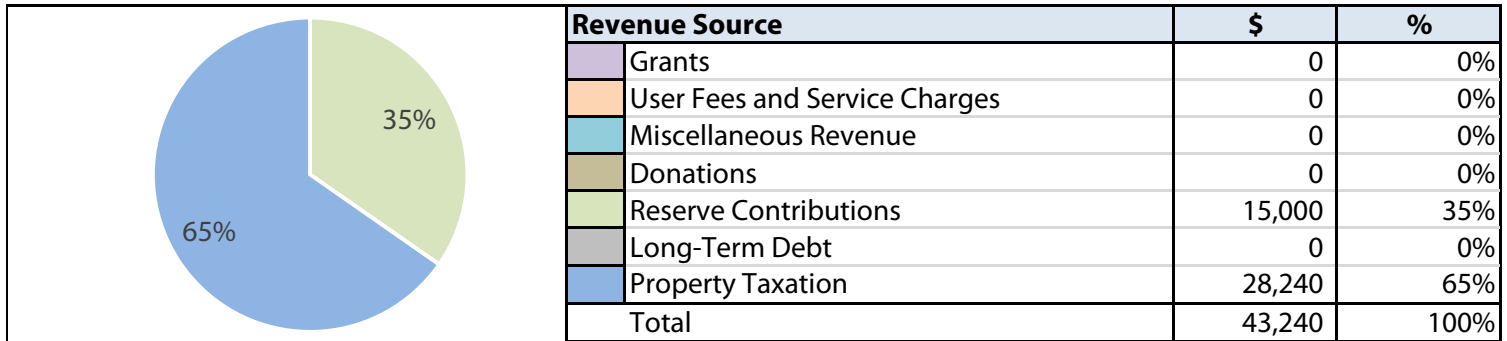
The 2017 Capital Budget for Agriculture and Reforestation consists of the replacement of the Drainage Superintendent's pickup and washroom upgrades at the Gesto office.

## Expense versus Revenue



## Analysis of Revenue Source for 2017

For 2017 the largest funding source under the capital budget for Agriculture and Reforestation is from Property Tax, contributing \$28,000 or 65% of revenue. The remaining 35% of revenue is from Reserve Contributions.



## Future Capital and Contributions to Reserve

The 2017 Operating Budget for Agriculture and Reforestation includes \$36 in contributions to reserve for the replacement of the roof at the Gesto office.

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

The amount of revenue from LTD under the capital budget for Planning and Development in 2017 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.



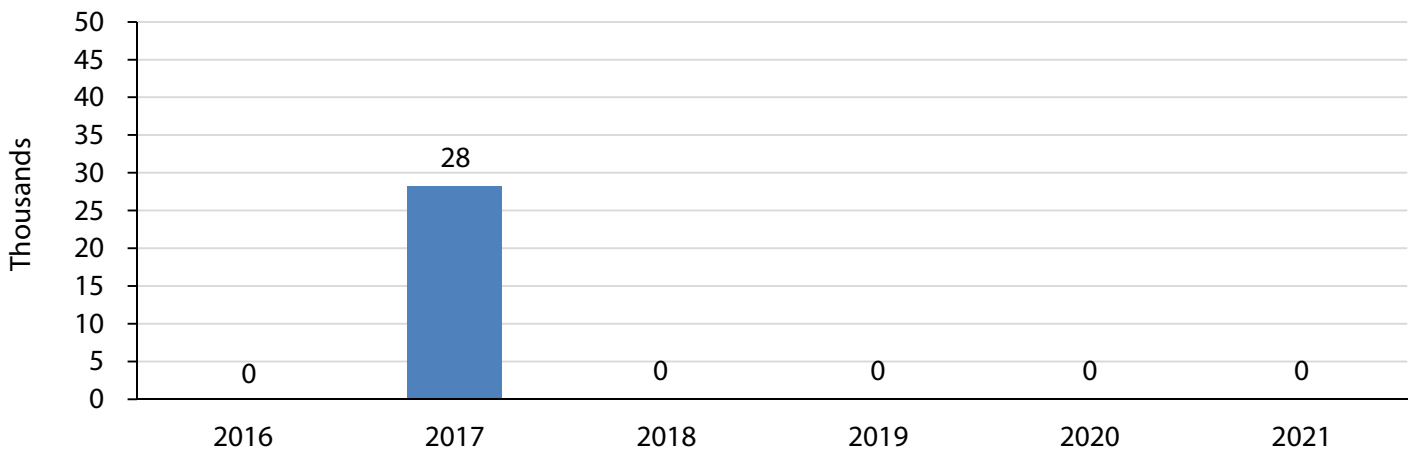


# 2017 - 2021 Capital Budget

Department: Agriculture and Reforestation  
 Division: Drainage

Summary			Budget	Change		Forecast			
Category	2015 Actual	2016 Budget	2017	\$	%	2018	2019	2020	2021
Expenses	13,603	0	43,240	43,240	100%	0	0	0	0
Revenues	13,603	0	15,000	15,000	100%	0	0	0	0
<b>Net</b>	<b>0</b>	<b>0</b>	<b>28,240</b>	<b>28,240</b>	<b>100%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

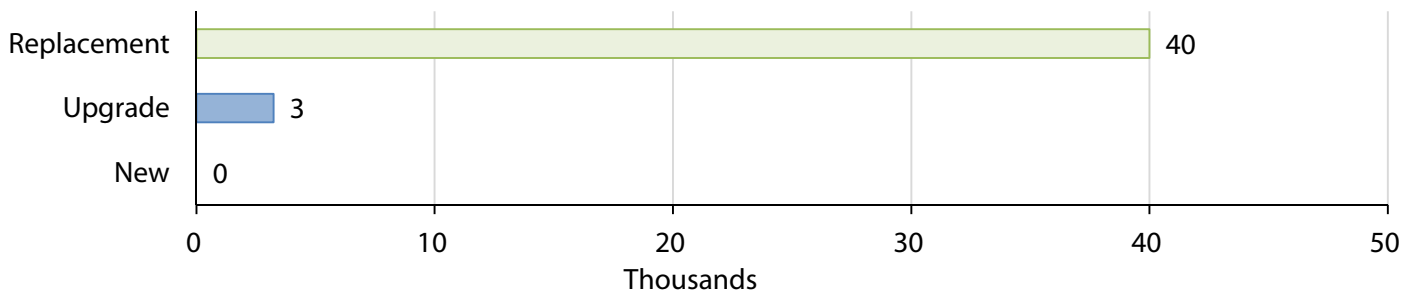
## Net Capital Budget (2016 to 2021)



Assets under Agriculture and Reforestation 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.

## 2017 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
<b>Annual Lifecycle Requirement</b>	<b>- per year</b>



## 2018 - 2021 Capital Budget

Department: Agriculture and Reforestation  
 Division: Drainage

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
AR-17-0001	Pickup Truck	Replacement	40,000	15,000	<b>25,000</b>												
AR-17-0002	Gesto Washroom Upgrades	Upgrade	3,240	0	<b>3,240</b>												
<b>Total</b>			<b>43,240</b>	<b>15,000</b>	<b>28,240</b>												



User Rate Supported

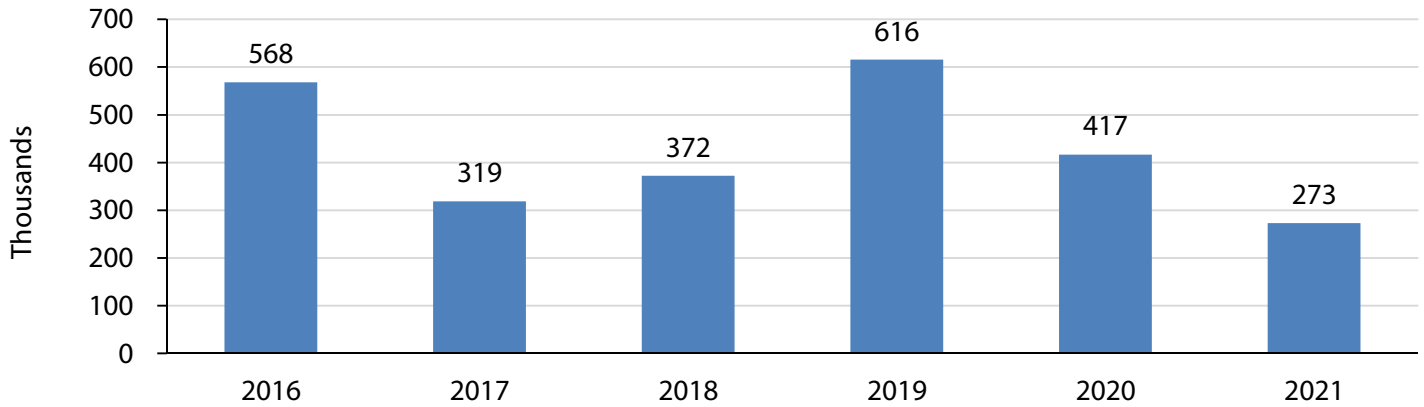


# 2017 - 2021 Capital Budget

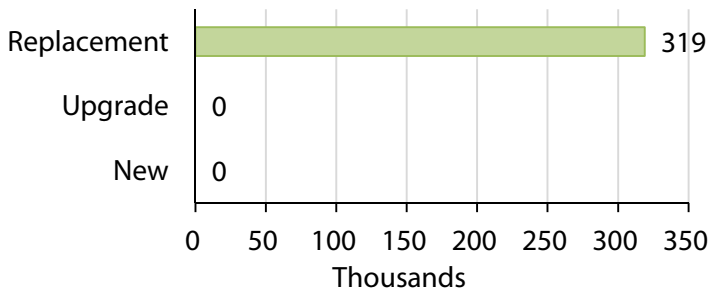
Department: Environmental Services  
 Division: Waterworks

Summary			Budget	Change		Forecast			
Category	2015 Actual	2016 Budget	2017	\$	%	2018	2019	2020	2021
Expenses	462,492	568,000	319,000	(249,000)	-44%	372,000	615,500	416,776	273,200
Revenues	462,492	568,000	319,000	(249,000)	-44%	372,000	615,500	416,776	273,200
<b>Net</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Capital Expenditures (2016 to 2021)



## 2017 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
<b>Annual Lifecycle Requirement</b>	<b>0 per year</b>



# 2017 - 2021 Capital Budget

Department: Environmental Services

Division: Waterworks

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
WW-17-0001	New Pickup Truck	Replacement	35,000	35,000	0												
WW-17-0002	Equipment Contingency Wards 1 and 2 Distribution and Transmission (50%)	Replacement	7,500	7,500	0												
WW-17-0003	Equipment Contingency Wards 3 and 4 Distribution and Transmission (50%)	Replacement	7,500	7,500	0												
WW-17-0004	Harrow Colchester South Water Treatment Plant Contingency Wards 3 and 4	Replacement	243,000	243,000	0												
WW-17-0005	Irwin Avenue between Arthur Avenue and Gosfield Townline (carry forward WW-16-0004)	Replacement	26,000	26,000	0												
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-18-0005	Brien Avenue Phase 2 Engineering	Upgrade				13,000	13,000	0									
WW-18-0006	Walnut Street between County Road 20 and Given Road (Urban Design)	Upgrade				10,000	10,000	0									
WW-18-0007	Irwin Avenue between Arthur Avenue and Brien Avenue Phase 1 (Urban Construction)	Upgrade				121,000	121,000	0									
WW-18-0008	Irwin Avenue between Arthur Avenue and Brien Avenue Phase 1 (Urban Engineering)	Upgrade				13,000	13,000	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-19-0005	Gordon, Wilson, Station Street (Design)	Replacement							20,000	20,000	0						
WW-19-0006	Walnut Street between County Road 20 and Given Road Construction	Replacement							82,500	82,500	0						
WW-19-0007	Irwin Avenue between Arthur Avenue and Brien Avenue Phase 1 (Urban Engineerin)	Replacement							10,000	10,000	0						
WW-19-0008	Irwin Avenue between Arthur Avenue and Brien Avenue Phase 1 (Urban Construction)	Upgrade							242,000	242,000	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-20-0004	Gordon, Wilson, Station Street Phase 1 (Construction)	Replacement										149,776	149,776	0			
WW-20-0005	Gordon, Wilson, Station Street (Engineering)	Replacement										10,000	10,000	0			



## 2017 - 2021 Capital Budget

Department: Environmental Services

Division: Waterworks

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
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
<b>Total</b>			<b>319,000</b>	<b>319,000</b>	<b>0</b>	<b>372,000</b>	<b>372,000</b>	<b>0</b>	<b>615,500</b>	<b>615,500</b>	<b>0</b>	<b>416,776</b>	<b>416,776</b>	<b>0</b>	<b>273,200</b>	<b>273,200</b>	<b>0</b>

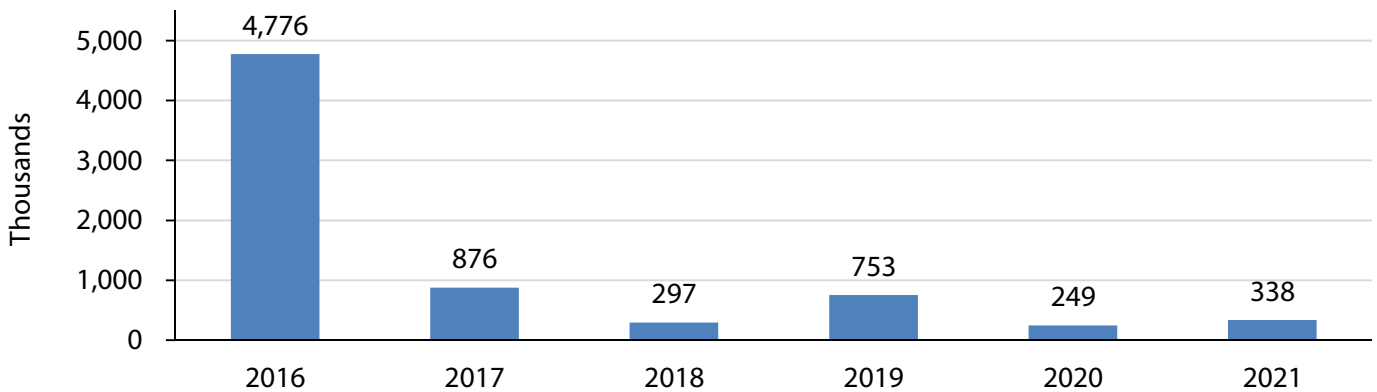


# 2017 - 2021 Capital Budget

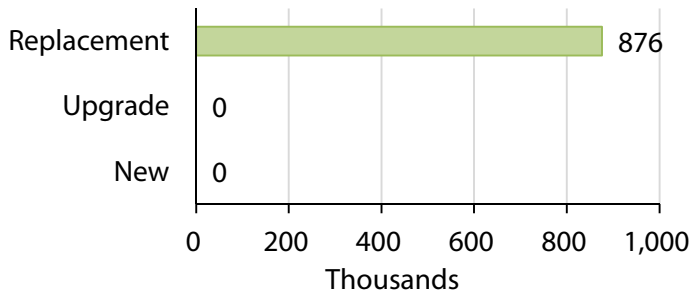
Department: Environmental Services  
 Division: Sanitary Sewer

Summary			Budget	Change		Forecast			
Category	2015 Actual	2016 Budget	2017	\$	%	2018	2019	2020	2021
Expenses	298,761	4,776,399	876,000	(3,900,399)	-82%	297,000	753,000	249,000	337,700
Revenues	298,761	4,776,399	876,000	(3,900,399)	-82%	297,000	753,000	249,000	337,700
<b>Net</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Capital Expenditures (2016 to 2021)



## 2017 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
<b>Annual Lifecycle Requirement</b>	<b>0 per year</b>



# 2017 - 2021 Capital Budget

Department: Environmental Services

Division: Sanitary Sewer

Project Number	Project Name	Project Type	Budget			Forecast											
			2017			2018			2019			2020			2021		
			Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net	Expense	Revenue	Net
SS-17-0001	Treatment - Ward 1 Contingency	Replacement	204,500	204,500	0												
SS-17-0002	Treatment - Ward 3 Contingency	Replacement	85,500	85,500	0												
SS-17-0003	Treatment - Ward 4 Contingency	Replacement	23,500	23,500	0												
SS-17-0004	Collection and Conveyance - Ward 1 Contingency	Replacement	22,000	22,000	0												
SS-17-0005	Collection and Conveyance - Ward 3 Contingency	Replacement	23,000	23,000	0												
SS-17-0006	Collection and Conveyance - Ward 4 Contingency	Replacement	17,500	17,500	0												
SS-17-0007	Treatment - Ward 4 Cell Treatment	Replacement	500,000	500,000	0												
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-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													121,100	121,100	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
<b>Total</b>			<b>876,000</b>	<b>876,000</b>	<b>0</b>	<b>297,000</b>	<b>297,000</b>	<b>0</b>	<b>753,000</b>	<b>753,000</b>	<b>0</b>	<b>249,000</b>	<b>249,000</b>	<b>0</b>	<b>337,700</b>	<b>337,700</b>	<b>0</b>