

FY17 Water and Sewer Enterprise Budgets CIP FY2017-FY2021

Board of Selectmen

March 8, 2016

Updated April 1, 2016





Water and Sewer Enterprise Budgets and CIP Meeting

- Enterprise Funds
 - Water Enterprise Budgets
 - Water Enterprise Capital
 - Water Rates Recommendation
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 - Sewer Rate Recommendation
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Water Enterprise Fund



Water Enterprise Fund Budget



Water Distribution Budget

	Fiscal Year 2016	Fiscal Year 2017	Inc.(Dec)
Salaries:	538,320	582,511	44,191
Operating:	297,481	316,052	18,571
Capital Outlay:	-	-	-
Total	835,801	898,563	62,762

Major Budget Changes:

Salaries: Include 2.5% salary increases, step increases and longevity changes. Salary also increased 24,027 with the addition of an Assistant DPW Superintendent for Utility which is being cost shared between Water and Sewer. Also an increase of 1,532 to upgrade an HMEO position to SHMEO and 9,782 for sick leave and vacation buy back.

Operating:. Energy Utilities increased 2,500 based upon actual cost in previous years. Repairs and Maintenance increased 2,000 based upon the number of water breaks averaged each year. Other Equipment increased for the Maintenance of Vaccum/Rodding Truck. Meters increased 8,500 to purchase 25 additional new meters for new residential and commercial structures and secondary meters.

Capital Outlay: No change

Water Enterprise Fund Budget



Water Filtration Budget

	Fiscal Year 2016	Fiscal Year 2017	Inc.(Dec)
Salaries:	791,882	856,330	64,448
Operating:	1,178,783	1,214,780	35,997
Capital Outlay:	_____ -	_____ -	_____ -
TOTAL	1,970,665	2,071,110	100,445

Major Budget Changes:

Salaries: Include 2.5% salary increases, step increases and longevity changes. Salary also increased 24,027 with the addition of an Assistant DPW Superintendent for Utility which is being cost shared between Water and Sewer. Also an increase of in overtime of 3,600 to reflect actual cost.

Operating: Utilities increased 15,000 to operate the new aeration facility, light and heat, laboratory addition and new equalizing tank. Lease and Contracts increased 9,108 mainly in the area of backflow and surveys inspections. All Other Supplies and Expenses increased 12,000 for THM online analyzer to monitor water quality. Residual Disposal increased 3,375 based upon the projected disposal of sludge. The current contract for disposal is ending and we are projecting a significant increase in cost.

Capital Outlay: No change

Water Enterprise Fund Budget



Combined Water Enterprise Budgets

	Fiscal Year 2016	Fiscal Year 2017	Inc.(Dec)
Salaries:	1,330,202	1,438,675	108,639
Operating:	1,476,264	1,530,832	54,568
Capital Outlay:	-	-	-
Total	2,806,466	2,969,507	163,207
Other Budgeted Expenses:			
Debt P&I	2,106,817	3,190,748	1,083,932
Capital Projects/Exp.	235,300	-	(235,300)
Indirect Expenses	962,507	1,074,149	111,642
Total	3,304,624	4,264,897	960,273
Grand Total Water	6,111,090	7,234,404	1,096,545
<i>Use of Retained Earnings:</i>	<i>(815,000)</i>	<i>(263,000)</i>	<i>(552,000)</i>

Current Balance Retained Earnings: 3,419,615

Water Enterprise Fund Budget



- Future Capital Improvements

Fiscal Year 2017 – Fiscal Year 2021: 8,340,500

- **6,560,000** - Water Distribution Design and Improvement
- **860,000** - Water Tanks Maintenance/Upgrades
- **625,000** - Hydrants Replacement
- **295,500** - Vehicle Replacement

Over the next Five Years the Plan is to spend 2,400,500 on Capital Projects if retained earning are available funds and funds will be borrowed for major projects.

Current Balance Retained Earnings: 3,354,615

Water Enterprise Fund Budget



- Capital Improvements

Fiscal Year 2017: 2,595,000

- **2,410,000** - Water Distribution Improvement (2 million Borrowing and 410,000 Retained Earnings)
- **125,000** - Hydrants Replacement (Retained Earnings)
- **60,000** - Water Tanks Maintenance/Upgrades (Retained Earnings)
- **18,000** - Vehicle Replacement (Retained Earnings)

(350,000 of the 2,410,000 - Water Distribution Improvement will be transferred from Retained Earnings at May 2016 Special Meeting for repairs to a water near Strongwater Brook)



Water Enterprise Fund Budget

Debt Service as percent of Water Budget:

● FY2015	2,005,239	33%
● FY2016	2,106,817	34%
● FY2017 (Proj.)	3,190,748	44%
● FY2018 (Proj.)	3,146,177	43%
● FY2019 (Proj.)	2,859,917	40%
● FY2020 (Proj.)	2,789,678	39%
● FY2021 (Proj.)	2,629,828	36%
● FY2022 (Proj.)	2,729,614	37%
● FY2023 (Proj.)	2,547,906	34%
● FY2024 (Proj.)	2,484,756	33%



Water Enterprise Fund Budget

Projected Revenues

	FY2016	FY2017
Projected Revenues		
Total Revenue User Fees	6,678,429	7,122,586
90% Collection User Fees	6,010,586	6,410,328
Water Liens	650,000	650,000
Other Fees	<u>15,000</u>	<u>200,000</u>
Total Projected Revenue	6,675,586	7,260,328

Water Enterprise Fund Budget



Water Budget/Revenue:

	Budget	Revenue
FY09	5,384,337	5,343,224
FY10	5,711,691	4,686,966
FY11	6,058,981	7,366,234
FY12	5,805,016	7,079,266
FY13	5,961,130	7,033,685
FY14	5,913,590	7,429,011
FY15	6,386,848	7,485,872
FY16 (Projected)	6,111,089	6,675,586
FY17 (Projected)	7,234,404	7,260,328



Water Enterprise Fund Budget

Proposed Water Rates:

Current Tier	Current Rate (\$)
0-34 gals	7.29 per 1000
35-70	10.31 per 1000
71-140	13.44 per 1000
140+	15.63 per 100

Proposed Tier	Proposed Rate (\$)
0-34 gals	7.73 per 1000
35-70	10.93 per 1000
71-140	14.52 per 1000
140+	16.88 per 1000



Water Enterprise Fund Budget

Water FY17 Increase				
Average Usage Four Tiers 35,000 Increments				
Usage	Current Rate	Proposed Rate	\$ Increase	% Increase
10,000	72.90	77.30	4.40	6%
15,000	109.35	115.95	6.60	6%
20,000	145.80	154.60	8.80	6%
25,000	182.25	193.25	11.00	6%
35,000	258.17	273.75	15.58	6%
45,000	361.27	383.05	21.78	6%
50,000	412.82	437.70	24.88	6%
55,000	464.37	492.35	27.98	6%
60,000	515.92	547.00	31.08	6%
70,000	619.02	656.30	37.28	6%
75,000	686.22	728.90	42.68	6%
80,000	753.42	801.50	48.08	6%
90,000	887.82	946.70	58.88	7%
100,000	1,022.22	1,091.90	69.68	7%
140,000	1,559.82	1,672.70	112.88	7%
150,000	1,716.12	1,841.50	125.38	7%
200,000	2,497.62	2,685.50	187.88	8%
300,000	4,060.62	4,373.50	312.88	8%
400,000	5,623.62	6,061.50	437.88	8%
500,000	7,186.62	7,749.50	562.88	8%
700,000	10,312.62	11,125.50	812.88	8%
1,000,000	15,001.62	16,189.50	1,187.88	8%
1,500,000	22,816.62	24,629.50	1,812.88	8%
2,000,000	30,631.62	33,069.50	2,437.88	8%
3,000,000	46,261.62	49,949.50	3,687.88	8%
4,000,000	61,891.62	66,829.50	4,937.88	8%
5,000,000	77,521.62	83,709.50	6,187.88	8%
6,000,000	93,151.62	100,589.50	7,437.88	8%
7,100,000	110,344.62	119,157.50	8,812.88	8%
7,500,000	116,596.62	125,909.50	9,312.88	8%

Approximately 50,000-55,000 gallons is the Town average use and approximately 90,000 gallons per year is the State average use.



Water Enterprise Fund Budget

Rate Comparison

- Based on 90,000 Gallons per year
- State Average 532 (2014)
- State Range 112-1,556 (2014)
- State Median 503 (2014)
- MWRA Average 579 (2015)
- Tewksbury (current) 888 (2016)
- Tewksbury (proposed) 946 (2017)

Comments Water Rates

- Impact of Water Treatment Plant
- Projection from Previous Fiscal Year
- Improving Rate Projections
- Capital Projects
- Retained Earnings
- Creating a Stabilization Fund

Water Enterprise Fund Possible Option



Water Enterprise Fund FY17



- Enterprise Fund Water Rate Option

Chapter 110, S.S. 111, 113, 114 and 116 of the Acts of 1993

(Adding G.L. Ch. 59 S. 5 Cl. 52 and S. 21C(n))

This legislation authorizes a new debt exclusion under Proposition 2½, General Laws Chapter 59 §21C(n), which will let a city or town transfer the recovery of water and sewer debt service costs from user charges to the property tax levy. The municipality will be able to raise the additional taxes outside its levy limit under Proposition 2½ and it will have to reduce its water and sewer charges by the amount of the debt service being transferred to the tax levy. Adoption of the exclusion does not require voter approval of a referendum.

Water Enterprise Fund FY17

Water Debt Shift \$344,109



- Water Budget/Revenue:

	Budget	Revenue
FY17(Projected)	7,234,404	7,260,328
FY17(Proj. with shift)	6,890,294	6,913,525

Current Water Rates Would Not Increase if the entire \$344,109 is shifted

Current Tax Rate	Est. FY17 w/o Shift	Est. FY17 with Shift
Res. \$16.35 per 1000	\$16.89 per 1000	\$16.96 per 1000
CIP \$27.46 per 1000	\$28.36 per 1000	\$28.49 per 1000

Estimated tax rate is very preliminary and based upon current CIP shift, an increase in the tax levy of 2.5 % plus 800,000 in new growth and it includes projected FY17 excluded debt.

Water Enterprise Fund FY17 Summary of Options



Estimated Water Bill and Tax Bill Increase (FY17)

	Usage Current Bill (\$)			Home Value and Est. Tax Bill FY17(\$)			
	55k	90k	150k	250k	350k	400k	500k
	464	888	1,716	4,223	5,912	6,756	8,445
	<u>Add</u>			<u>Add</u>			
No Shift	27.98	53.48	103.38	0.00	0.00	0.00	0.00
Shift	0.00	0.00	0.00	17.50	24.50	28.00	35.00

Estimated tax rate is very preliminary and based upon current CIP shift, an increase in the tax levy of 2.5 % plus 800,000 in new growth. The above assumes a shift of \$344,109 of debt service to the tax levy and an increase in the current Residential tax rate from 16.35 to 16.96 an without the shift rate is projected to be 16.89.

Sewer Enterprise Fund



Sewer Enterprise Fund Budget



Sewer Enterprise Budget

	<u>FY2016</u>	<u>FY2017</u>	<u>Inc(Dec)</u>
Salaries	301,735	333,726	31,991
Expenses	332,356	344,400	12,044
Capital Outlay	-	-	-
Lowell Sewer	1,541,202	1,818,203	277,001
Reserve Fund	60,000	60,000	-
Debt	3,201,958	3,035,658	(166,299)
Capital R&A	-	-	-
Indirect Expenses	<u>505,739</u>	<u>560,223</u>	<u>54,484</u>
	5,942,990	6,152,210	209,220

Major Budget Changes:

Salaries: Salaries: 2.5% salary increases, step increases and longevity changes. Salary also increased 24,027 with the addition of an Assistant DPW Superintendent for Utility which is being cost shared between Water and Sewer.

Operating: Utilities increased 2,500 based operating pumps for added sewer hookups and 3-yr average. Repairs and Maintenance increased 14,200 for the cost of maintaining new generators and the average cost of maintaining equipment and facilities. Leases and Contract decreased 5,106 mainly in the area of camera work for sewer backups. Grinder Pumps decreased 8,000 since we are projecting to install 5 instead of 10. Other Supplies and Equipment increased 5,000 for grease control in wet wells. Other Equipment increased 7,000 for the maintenance of the Vacuum/Rodding Truck. Easement Settlements decreased 5,000 since there are less easements to be addressed. Lowell Sewer increased based upon projected flow that will go to the plant.

Capital Outlay: No change



Sewer Enterprise Fund Budget

- Future Capital Improvements

Fiscal Year 2017 – Fiscal Year 2021: **4,250,500**

- **1,750,000** - Collections System Upgrades
- **1,650,000** - Inflow and Infiltration I/I control
- **690,500** - Fleet and Equipment Replacement Program
- **160,000** - Sewer Pump Station Improvements

Capital Improvements Fiscal Year 2017:

- **468,000** – Fleet/Equipment Replacement (Retained Earnings)
- **60,000** - Sewer Pump Station Improvements(Retained Earnings)
- **150,000** - Inflow and Infiltration I/I control (Retained Earnings)

(100,000 of the 150,000 - Inflow and Infiltration I/I control will be transferred from Retained Earnings at May 2016 Special Meeting for repairs to a sewer line near Strongwater Brook)

All Capital is Projected to be funded by Sewer Retained Earnings. Sewer Retained Earnings Balance 6,105.282



Sewer Enterprise Fund Budget

Debt Service as percent of Sewer Budget:

● FY2015	3,016,318.00	52%
● FY2016	2,948,233.49	52%
● FY2017 (Proj.)	3,035,658.16	52%
● FY2018 (Proj.)	3,140,817.23	52%
● FY2019 (Proj.)	3,259,937.18	52%
● FY2020 (Proj.)	3,385,801.78	52%
● FY2021 (Proj.)	3,392,274.78	51%
● FY2022 (Proj.)	3,351,179.18	50%
● FY2023 (Proj.)	3,372,045.63	49%
● FY2024 (Proj.)	3,365,844.38	48%

Sewer Enterprise Fund Budget



Projected Revenues	FY2016	FY2017
Total User Fees	5,739,704	5,907,371
90% Collection	5,165,734	5,316,634
New Connections	59,932	62,793
Sewer Liens/Interest/Fees	500,000	450,000
Connection Fees	-	50,000
All Other Fees	7,000	25,000
Prior Year Surplus	-	-
Transfer from the GF	<u>253,724</u>	<u>248,775</u>
Total Projected Revenue	5,986,390	6,153,202

Sewer Enterprise Fund Budget



Sewer Budget/Revenue:

	Budget	Revenue
FY09	6,552,728	7,548,167
FY10	8,036,304	7,182,548
FY11	8,123,336	8,808,391
FY12	5,801,543	8,197,199
FY13	6,086,796	6,760,895
FY14	6,103,578	7,294,650
FY15	5,541,476	6,921,874
FY16 (Projected)	5,937,296	5,986,390
FY17 (Projected)	6,152,210	6,153,202

In FY11 1,437,375 was used from Sewer Retained Earnings to balance the budget



Sewer Enterprise Fund Budget

- Proposed Sewer Rate

In-Town :

Current Tier	Current Rate (\$)	Proposed Rate (\$)
0-35 gals	7.49 per 1000	7.75 per 1000
35-70	9.65 per 1000	9.99 per 1000
70-140	13.20 per 1000	14.12 per 1000
140+	15.44 per 1000	16.52 per 1000

- Proposed Sewer Rate

Out of Town and Exempt Property:

Current Tier	Current Rate (\$)	Proposed Rate (\$)
0-35gals	20.16 per 1000	16.10 per 1000
35-70	25.02 per 1000	20.75 per 1000
70-140	32.10 per 1000	28.38 per 1000
140+	35.30 per 1000	33.20 per 1000



Sewer Enterprise Fund Budget

Usage	Current Rate	Proposed Rate	\$ Increase	% Increase
25,000	187.25	193.75	6.50	3%
35,000	264.31	273.49	9.18	3%
45,000	360.81	373.39	12.58	3%
50,000	409.06	423.34	14.28	3%
55,000	457.31	473.29	15.98	3%
60,000	505.56	523.24	17.68	3%
70,000	602.06	623.14	21.08	4%
75,000	668.06	693.74	25.68	4%
80,000	734.06	764.34	30.28	4%
90,000	866.06	905.54	39.48	5%
100,000	998.06	1,046.74	48.68	5%
140,000	1,526.06	1,611.54	85.48	6%
150,000	1,680.46	1,776.74	96.28	6%
200,000	2,452.46	2,602.74	150.28	6%
300,000	3,996.46	4,254.74	258.28	6%
400,000	5,540.46	5,906.74	366.28	7%
500,000	7,084.46	7,558.74	474.28	7%
700,000	10,172.46	10,862.74	690.28	7%
1,000,000	14,804.46	15,818.74	1,014.28	7%
1,500,000	22,524.46	24,078.74	1,554.28	7%
2,000,000	30,244.46	32,338.74	2,094.28	7%
3,000,000	45,684.46	48,858.74	3,174.28	7%
4,000,000	61,124.46	65,378.74	4,254.28	7%
5,000,000	76,564.46	81,898.74	5,334.28	7%
6,000,000	92,004.46	98,418.74	6,414.28	7%
7,100,000	108,988.46	116,590.74	7,602.28	7%
7,500,000	115,164.46	123,198.74	8,034.28	7%

Approximately 50,000 -55,000 gallons is the Town average use and approximately 90,000 gallons per year is the State average use.



Sewer Enterprise Fund Budget

- Comparison Other Communities
 - Based on 90,000 Gallons per year
 - State Average 756 (2012)
 - State Range 221-1,874 (2014)
 - State Median 729 (2012)
 - MWRA Average 570 (2015)
 - Tewksbury (current) 866 (2016)
 - Tewksbury (proposed) 906 (2017)

Comments Sewer Rates

- Impact of the \$640,000
- Projection from Previous Fiscal Year
- Improving Rate Projections
- Retained Earnings
- Creating a Stabilization Fund

Sewer Enterprise Fund Possible Option



Sewer Enterprise Fund FY17



- Enterprise Fund Sewer Rate Option

Chapter 110, S.S. 111, 113, 114 and 116 of the Acts of 1993

(Adding G.L. Ch. 59 S. 5 Cl. 52 and S. 21C(n))

This legislation authorizes a new debt exclusion under Proposition 2½, General Laws Chapter 59 §21C(n), which will let a city or town transfer the recovery of water and sewer debt service costs from user charges to the property tax levy. The municipality will be able to raise the additional taxes outside its levy limit under Proposition 2½ and it will have to reduce its water and sewer charges by the amount of the debt service being transferred to the tax levy. Adoption of the exclusion does not require voter approval of a referendum.

Sewer Enterprise Fund FY17

Sewer Debt Shift \$198,956



- Sewer Budget/Revenue:

	Budget	Revenue
FY17(Projected)	6,152,210	6,153,202
FY17(Proj.with shift)	5,953,255	5,991,302

Current Water Rates Would Not Increase if the entire \$198,956 is shifted

Current Tax Rate	Est. FY17 w/o Shift	Est. FY17 with Shift
Res. \$16.35 per 1000	\$16.89 per 1000	\$16.93 per 1000
CIP \$27.46 per 1000	\$28.36 per 1000	\$28.37 per 1000

Estimated tax rate is very preliminary and based upon current CIP shift, an increase in the tax levy of 2.5 % plus 800,000 in new growth and it includes FY17 projected excluded debt.

Sewer Enterprise Fund FY17 Summary of Options



Estimated Sewer Bill and Tax Bill Increase (FY17)

	Usage Current Bill (\$)			Home Value and Est. Tax Bill FY17(\$)			
	55k	90k	150k	250k	350k	400k	500k
	457	866	1,680	4,223	5,912	6,756	8,445
	<u>Add</u>			<u>Add</u>			
No Shift	15.98	39.48	96.28	0.00	0.00	0.00	0.00
Shift	0.00	0.00	0.00	10.00	14.00	16.00	20.00

Estimated tax rate is very preliminary and based upon current CIP shift, an increase in the tax levy of 2.5 % plus 800,000 in new growth. The above assumes a shift of \$198,956 of debt service to the tax levy and an increase in the current Residential tax rate from 16.35 to 16.93 an without the shift rate is projected to be 16.89.

Capital Improvement Plan FY2016-FY2020



**TOWN OF TEWKSBURY
CAPITAL PLANNING PROGRAM
FISCAL YEAR 2017-2021
SUMMARY**

DEPARTMENT PROJECT/PROGRAM	FUNDING SOURCE	FY2017	FY2018	FY2019	FY2020	FY2021	Total
All Departments							
Facility and Equipment Upgrades and Improvements	R&A/Stab. Fund/Free Cash	200,000	50,000	50,000	50,000	50,000	400,000
Total All Departments		200,000	50,000	50,000	50,000	50,000	400,000
Fire Department							
New Ambulance and Equipment	R&A/Stab. Fund/Free Cash	-	225,000	-	225,000	-	450,000
Pick-Up Truck	R&A/Stab. Fund/Free Cash	-	-	-	-	-	-
Replace Self Contained Breathing Apparatus	R&A/Stab. Fund/Free Cash	-	315,000	-	-	-	315,000
New Engine	R&A/Stab. Fund/Free Cash	-	650,000	-	-	-	650,000
Command Vehicle	R&A/Stab. Fund/Free Cash	51,000	-	-	-	-	51,000
New Ladder Truck	Borrowing/Stab. Fund/Free Cash	975,000	-	-	-	-	975,000
New Center Fire Station	Borrowing	12,793,750	-	-	-	-	12,793,750
Total Fire Department		13,819,750	1,190,000	-	225,000	-	15,234,750
Public Works Department							
Stormwater and Drainage							
Stormwater and Drainage Repair and Maintenance	R&A/Stab. Fund/FC/Borrowing/CH90	499,175	494,750	200,000	120,000	20,000	1,333,925
Stormwater and Drainage System Compliance	R&A/Stab. Fund/FC/Borrowing/CH90	-	350,000	350,000	350,000	350,000	1,400,000
Stormwater and Drainage Improvement Projects	R&A/Stab. Fund/FC/Borrowing/CH90	150,000	-	-	-	-	150,000
Stormwater and Drainage Project Development	R&A/Stab. Fund/FC/Borrowing/CH90	85,000	35,000	20,000	35,000	-	175,000
Total DPW Stormwater and Drainage		734,175	879,750	570,000	505,000	370,000	3,058,925
Public Works Department							
Transportation							
Pavement Management Preventative Maintenance	R&A/Stab. Fund/FC/Borrowing/CH90	50,000	50,000	50,000	250,000	350,000	750,000
Pavement Management Reconstruction/Resurfacing	R&A/Stab. Fund/FC/Borrowing/CH90	500,000	850,000	500,000	300,000	445,000	2,595,000
Sidewalks	R&A/Stab. Fund/FC/Borrowing/CH90	-	-	-	-	-	-
Improvement Projects	R&A/Stab. Fund/FC/Borrowing/CH90	-	45,000	145,000	250,000	145,000	585,000
Project Development	R&A/Stab. Fund/FC/Borrowing/CH90	115,000	40,000	25,000	-	-	180,000
Total DPW Transportation		665,000	985,000	720,000	800,000	940,000	4,110,000
Public Works Department							
Facilities/Misc.							
Parks	R&A/Stab. Fund/FC/Borrowing/CH90	-	40,000	340,000	250,000	-	630,000
DPW	R&A/Stab. Fund/FC/Borrowing/CH90	3,630,000	-	-	-	-	3,630,000
Town-Wide	R&A/Stab. Fund/FC/Borrowing/CH90	75,000	-	-	-	-	75,000
Total DPW Facilities/Misc.		3,705,000	40,000	340,000	250,000	-	4,335,000
Public Works Department							
Fleet and Equipment							
Vehicles and Equipment	R&A/Stab. Fund/Free Cash	145,000	217,000	134,000	175,000	230,000	901,000
Total DPW Fleet and Equipment		145,000	217,000	134,000	175,000	230,000	901,000
Grand Total DPW		5,249,175	2,121,750	1,764,000	1,730,000	1,540,000	12,404,925
Grand Total General Fund		19,268,925	3,361,750	1,814,000	2,005,000	1,590,000	28,039,675

TOWN OF TEWKSBURY
CAPITAL PLANNING PROGRAM
FISCAL YEAR 2017-2021

SUMMARY

DEPARTMENT PROJECT/PROGRAM	FUNDING SOURCE	FY2017	FY2018	FY2019	FY2020	FY2021	Total
DPW Sewer Enterprise Fund							
Inflow and Infiltration I/I control	Borrowing/R&A/Retained Earnings	150,000	250,000	350,000	350,000	550,000	1,650,000
Sewer Pump Station Improvements	Borrowing/R&A/Retained Earnings	60,000	-	-	50,000	50,000	160,000
Collections System Upgrades	Borrowing/R&A/Retained Earnings	-	1,750,000	-	-	-	1,750,000
Fleet and Equipment Replacement Program	R&A/Ent. Fund	450,000	-	-	-	-	450,000
Total Sewer Enterprise Fund		660,000	2,000,000	350,000	400,000	600,000	4,010,000
DPW Water Enterprise Fund							
Hydrant Replacement Program	R&A Ent. Fund/Retained Earnings	125,000	125,000	125,000	125,000	125,000	625,000
Water Distribution System Improvements	Borrowing/R&A/Retained Earnings	2,410,000	75,000	2,000,000	75,000	2,000,000	6,560,000
Water Tank Maint. And Upgrades	Borrowing/R&A/Retained Earnings	60,000	800,000	-	-	-	860,000
Fleet and Equipment Replacement Program	R&A Ent. Fund/Retained Earnings	-	55,000	-	60,000	-	115,000
Total Water Enterprise Fund		2,595,000	1,055,000	2,125,000	260,000	2,125,000	8,160,000
Water/Sewer Fleet and Equipment Replacement Program	R&A/Ent. Fund	36,000	125,000	150,000	170,000	-	481,000
Grand Total Per Year		22,559,925	6,541,750	4,439,000	2,835,000	4,315,000	
Grand Total All Projects All Years							40,690,675

**TOWN OF TEWKSBURY
CAPITAL PLANNING PROGRAM
FISCAL YEAR 2017-2021**

GENERAL FUND PROJECTS THAT WILL BE FUNDED BY RAISE AND APPROPRIATE, TRANSFER FROM STABILIZATION FUND OR FREE CASH

DEPARTMENT	FY2017	FY2018	FY2019	FY2020	FY2021	Total
All Departments						
Facility and Equipment Upgrades and Improvements	200,000	50,000	50,000	50,000	50,000	400,000
Total All Departments	200,000	50,000	50,000	50,000	50,000	400,000
Fire Department						
New Ambulance and Equipment	-	225,000	-	225,000	-	450,000
Pick-Up Truck	-	-	-	-	-	-
Replace Self Contained Breathing Apparatus	-	315,000	-	-	-	315,000
New Engine	-	650,000	-	-	-	650,000
Command Vehicle	51,000	-	-	-	-	
New Ladder Truck	975,000	-	-	-	-	
New Center Fire Station	1,026,000	1,190,000	-	225,000	-	2,441,000
Public Works Department						
Stormwater and Drainage						
Public Works (General Fund)	-	350,000	350,000	350,000	350,000	1,400,000
Total Stormwater and Drainage	-	350,000	350,000	350,000	350,000	1,400,000
Public Works Department						
Transportation						
Improvement Projects	-	45,000	145,000	250,000	145,000	585,000
Total DPW Transportation	-	45,000	145,000	250,000	145,000	585,000
Public Works Department						
Facilities/Misc.						
Public Works (General Fund)	-	40,000	340,000	250,000	-	630,000
Total Facilities/Misc.	75,000	-	-	-	-	75,000
Total Facilities/Misc.	75,000	40,000	340,000	250,000	-	705,000
Public Works Department						
Fleet and Equipment						
Public Works (General Fund)	145,000	217,000	134,000	175,000	230,000	901,000
Total Fleet and Equipment	145,000	217,000	134,000	175,000	230,000	901,000
Grand Total DPW	220,000	652,000	969,000	1,025,000	725,000	3,591,000
Grand Total General Fund	1,446,000	1,892,000	1,019,000	1,300,000	775,000	6,432,000

**TOWN OF TEWKSBURY
CAPITAL PLANNING PROGRAM
FISCAL YEAR 2017-2021
PROJECTS FUNDED BY CHAPTER 90**

DEPARTMENT	FY2017	FY2018	FY2019	FY2020	FY2021	Total
Public Works Department						
Stormwater and Drainage						
Stormwater and Drainage Repair and Maintenance	499,175	494,750	200,000	120,000	20,000	1,333,925
Stormwater and Drainage System Compliance	150,000	-	-	-	-	150,000
Stormwater and Drainage Improvement Projects	85,000	35,000	20,000	35,000	-	175,000
Total Stormwater and Drainage	734,175	529,750	220,000	155,000	20,000	1,658,925
Public Works Department						
Transportation						
Pavement Management Preventative Maintenance	50,000	50,000	50,000	250,000	350,000	750,000
Pavement Management Reconstruction/Resurfacing	500,000	850,000	500,000	300,000	445,000	2,595,000
Sidewalks	-	-	-	-	-	-
Project Development	115,000	40,000	25,000	-	-	180,000
Total DPW Transportation	665,000	940,000	575,000	550,000	795,000	3,525,000
Grand Total Per Year	1,399,175	1,469,750	795,000	705,000	815,000	
Grand Total All Projects All Years						5,183,925

**TOWN OF TEWKSBURY
CAPITAL PLANNING PROGRAM**

FISCAL YEAR 2017-2021

ENTERPRISE FUND PROJECTS THAT WILL BE FUNDED BY RAISE AND APPROPRIATE OR TRANSFER FROM FROM RETAINED EARNINGS

DEPARTMENT	FY2017	FY2018	FY2019	FY2020	FY2021	Total
DPW Sewer Enterprise Fund						
Inflow and Infiltration I/I control	150,000	250,000	350,000	350,000	550,000	1,650,000
Sewer Pump Station Improvements	60,000	-	-	50,000	50,000	160,000
Collections System Upgrades	-	1,750,000	-	-	-	1,750,000
Fleet and Equipment Replacement Program	450,000	-	-	-	-	450,000
Total Sewer Enterprise Fund	660,000	2,000,000	350,000	400,000	600,000	4,010,000
DPW Water Enterprise Fund						
Hydrant Replacement Program	125,000	125,000	125,000	125,000	125,000	625,000
Water Distribution System Improvements	410,000	75,000	-	75,000	-	560,000
Water Tank Maint. And Upgrades	60,000	800,000	-	-	-	860,000
Fleet and Equipment Replacement Program	-	55,000	-	60,000	-	115,000
Total Water Enterprise Fund	595,000	1,055,000	125,000	260,000	125,000	2,160,000
Water/Sewer Fleet and Equipment Replacement Program	36,000	125,000	150,000	170,000	-	481,000
Grand Total Per Year	1,291,000	3,180,000	625,000	830,000	725,000	
Grand Total All Projects All Years						6,651,000

**TOWN OF TEWKSBURY
CAPITAL PLANNING PROGRAM
FISCAL YEARS 2017-2021**

SUMMARY

Capital Plan Summary	FY2017	FY2018	FY2019	FY2020	FY2021	Total
General Fund	19,268,925	3,361,750	1,814,000	2,005,000	1,590,000	28,039,675
Sewer Enterprise Fund	660,000	2,000,000	350,000	400,000	600,000	4,010,000
Water Enterprise Fund	2,595,000	1,055,000	2,125,000	260,000	2,125,000	8,160,000
Water/Sewer Enterprise Fund	36,000	125,000	150,000	170,000	-	481,000
Total Capital Plan Funded	22,559,925	6,541,750	4,439,000	2,835,000	4,315,000	40,690,675
Annual Capital Improvement Plan Cost						
R&A or Transfer from Stabilization Fund or Free Cash	1,446,000	1,892,000	1,019,000	1,300,000	775,000	6,432,000
Chapter 90	1,399,175	1,469,750	795,000	705,000	815,000	5,183,925
General Fund Debt Service	-	1,659,638	1,619,530	1,579,423	1,539,315	6,397,905
R&A or Transfer from Sewer Enterprise Fund	660,000	2,000,000	350,000	400,000	600,000	4,010,000
R&A or Transfer from Water Enterprise Fund	595,000	1,055,000	125,000	260,000	125,000	2,160,000
R&A or Transfer Sewer/Water Enterprise Fund	36,000	125,000	150,000	170,000	-	481,000
Water Enterprise Funds Debt Service	-	280,000	272,000	544,000	528,000	1,624,000
Total Fiscal Year Cost	4,136,175	8,481,388	4,330,530	4,958,423	4,382,315	26,288,830

Comments on Capital Plan

- General Fund Projects Under Funded
- Pavement Management
- Stormwater Permit
- Facilities
- Sidewalks