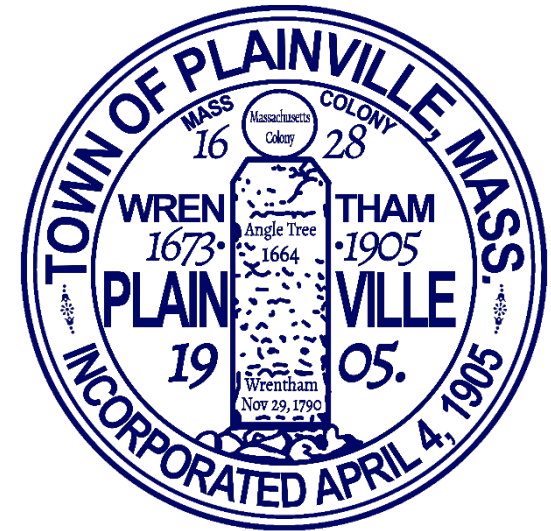


**DRAFT**

# Town of Plainville FY26 Water and Sewer Rate Recommendation

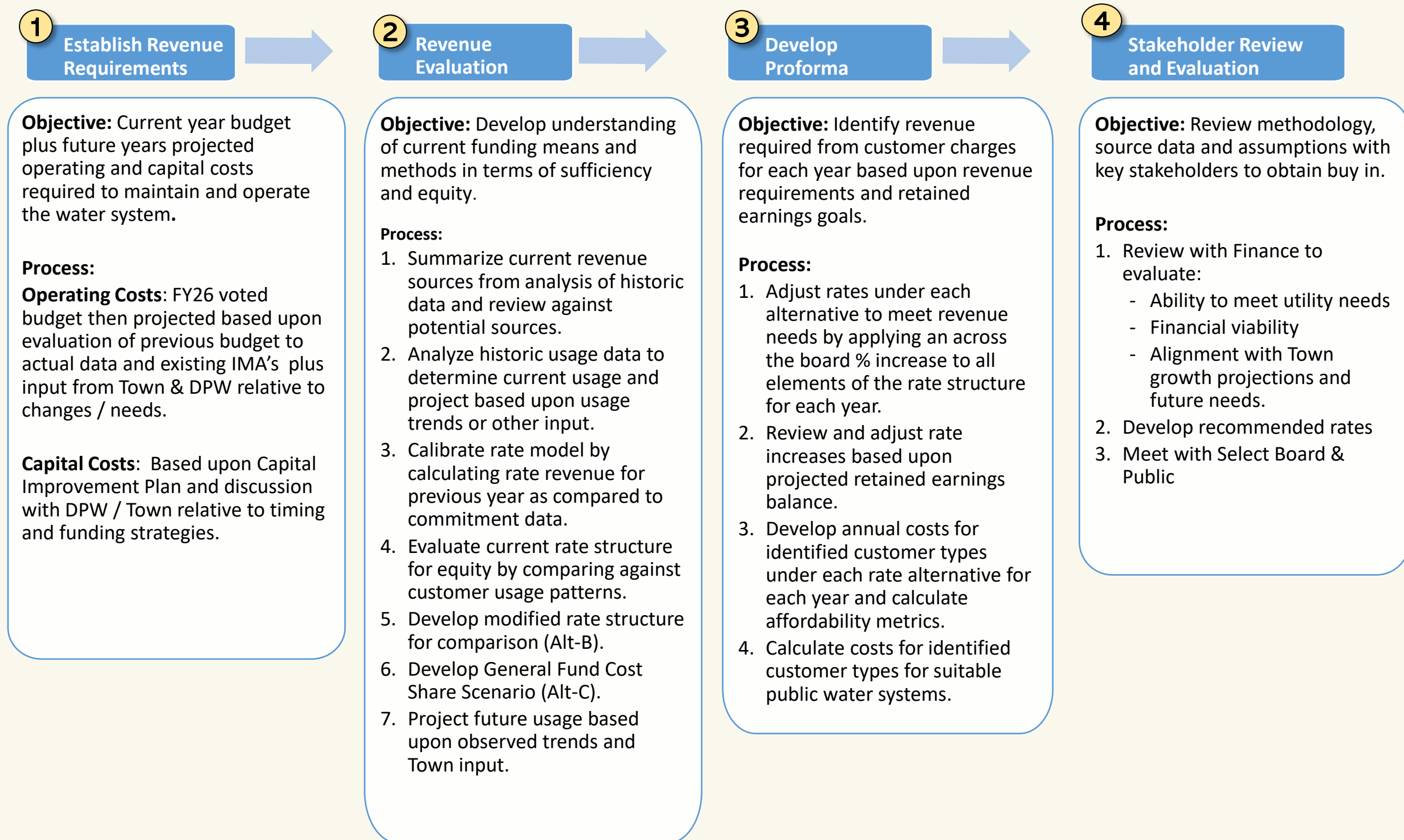


**CAPITAL  
STRATEGIC  
SOLUTIONS**

WBE/DBE Certified in MA & RI,  
DBE in CT, FL, ME, NH, NM & VT  
**Building Stronger Communities**

June 23, 2025

# RATE EVALUATION PROCESS



# 1. ESTABLISH REVENUE REQUIREMENTS: OPERATING EXPENSES

## WATER ENTERPRISE FUND

9%

### HISTORIC / PROJECTED EXPENSES

①

②

③

Operating Expenses	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	USE
Personnel Services	455,350	476,350	476,350	497,786	520,186	543,594	568,056	4.5%
Purchase of Services	540,527	580,250	580,250	623,769	756,877	1,044,926	1,123,295	7.5%
North Attleboro Treatment	200,000	200,000	200,000	200,000	200,000	200,000	200,000	
Supplies	107,527	107,100	107,100	110,849	131,119	135,708	140,458	3.5%
Other Charges and Expenses	3,230	3,230	30,230	31,288	32,383	33,517	34,690	3.5%
Subtotal	1,306,635	1,366,930	1,393,930	1,463,691	1,640,565	1,957,745	2,066,499	
Indirect Expenses	338,106	368,185	428,346	449,763	472,251	495,864	520,657	5.0%
Total	1,644,741	1,735,115	1,822,276	1,913,454	2,112,817	2,453,609	2,587,156	

### Capital Expenses

④

Debt - Existing	1,037,532	1,253,945	1,478,158	1,040,098	619,719	614,219	612,844
Debt - CIP		-	-	1,456,451	1,455,151	1,453,852	1,452,552
Capital Outlay	432,487	-	-	163,225	897,622	-	-
Subtotal	1,470,019	1,253,945	1,478,158	2,659,774	2,972,492	2,068,070	2,065,396
<b>Total</b>	<b>3,114,759</b>	<b>2,989,060</b>	<b>3,300,434</b>	<b>4,573,228</b>	<b>5,085,309</b>	<b>4,521,679</b>	<b>4,652,552</b>

Delta Previous

▲ 19.6%

▼ 4.0%

▲ 10.4%

▲ 38.6%

▲ 11.2%

▼ 11.1%

▲ 2.9%

#### Notes:

1. Annual allocated (budget value) from expenditure ledger reports
2. Values for FY2026 on based on approved budget

**USE:** Used to project values from FY2027 to FY2030

#### Notes:

3. Growth factor assumed for FY2027 forward
4. Existing Debt taken from Plainville master debt schedule

# 1. ESTABLISH REVENUE REQUIREMENTS: *CAPITAL EXPENSES –Water Enterprise*

## Fund

### Capital Improvement Planner

Project Name	System Element	Procurement	Est. Cost	Cost Source	Contingency	Funding	Term	CIP Year	Start FY	End FY	Adj. Cost
Messenger Street Booster Station Rehabilitation	Distribution	Construction	\$500,000	Current CIP		Debt - CP	10	2029	2030	2039	\$670,048
East Bacon Street Water Main Replacement-Design	Distribution	Design	\$300,000	Current CIP		Debt - CP	5	2030	2030	2034	\$382,884
East Bacon Street Water Tank Cleaning	Storage	Other	\$220,000	Current CIP		R.E.	1	2028	2028	2028	\$267,411
Ford Explorer Replacement	Enterprise	Vehicle	\$70,000	Current CIP		R.E.	1	2028	2028	2028	\$85,085
Everett St Pump Station Rehabilitation	Enterprise	Construction	\$1,000,000	Current CIP		Debt - CP	10	2029	2030	2039	\$1,340,096
Everett St Pump Station Rehabilitation-Design	Enterprise	Design	\$250,000	Current CIP		Debt - CP	5		2027	2031	\$289,406
Lead Service Line Material Type Investigation	Enterprise	Study/Eval	\$750,000	Current CIP		Debt - CP	3	2027	2027	2029	\$868,219
East Bacon Street Water Main Replacement	Enterprise	Construction	\$1,850,000	Current CIP		Debt - CP	20	2031	2032	2051	\$2,733,293
Sharlene Water Tank Cleaning	Storage	Other	\$220,000	Current CIP		R.E.	1	2028	2028	2028	\$267,411
South St Water Main Sharlene La to Wrentham Line	Distribution	Design	\$300,000	Current CIP		Debt - CP	5	2030	2030	2034	\$402,029
Walnut Hill Pump Upgrade	Distribution	Construction	\$175,000	Current CIP		R.E.	1	2028	2028	2028	\$212,714
Maple Street Pump Station Fire Pump-Design	Distribution	Design	\$150,000	Current CIP		Debt - CP	5	2030	2030	2034	\$201,014
Maple Street Pump Station Fire Pump-Construction	Distribution	Construction	\$600,000	Current CIP		Debt - CP	10	2031	2032	2041	\$886,473
2016 Ford Mini Van Transit	Enterprise	Vehicle	\$96,000	Current CIP		R.E.	1	2027	2027	2027	\$111,132
West Bacon Street Water Main Replacement	Distribution	Construction	\$2,800,000	Current CIP		Debt - CP	20	2030	2031	2050	\$3,939,881
Replace 2016 Transit Connect	Enterprise	Vehicle	\$65,000	Current CIP		R.E.	1	2028	2028	2028	\$65,000
Messenger Street Booster Station Rehab-Design	Distribution	Design	\$100,000	Current CIP		Debt - CP	1	2028	2028	2028	\$121,551
Walnut Hill Pump Upgrade-Design	Distribution	Design	\$45,000	Current CIP		R.E.	1	2027	2027	2027	\$52,093
West Bacon Street Water Main Replacement-Design	Distribution	Design	\$420,000	Current CIP		Debt - CP	5	2029	2029	2033	\$536,038
South St Water Main Sharlene La to Wrentham Line	Distribution	Construction	\$2,000,000	Current CIP		Debt - CP	20	2031	2032	2051	\$2,954,911
South St Water Main Everett to Sharlene La-Const.	Distribution	Construction	\$3,000,000	Current CIP		Debt - CP	20	2027	2028	2047	\$3,646,519
TOTAL			\$14,911,000								\$20,033,208

#### Notes:

1. Projects from existing CIP.
2. Nature of item or element being procured.

#### Notes:

3. Cost from CIP.
4. Start FY is first year of debt service, assume work occurs in CIP year.

## 2. REVENUE EVALUATION: SUMMARY OF EXISTING SOURCES

### Water Rates

#### PROFORMA - ALT A EXISTING RATE STRUCTURE

Alt A - Existing Rate Structure	1	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	2
			Rate Increase	10.0%	8.0%	6.0%	6.0%	6.0%	
	User Charges	2,360,557	3,242,718	3,578,123	3,904,602	4,207,894	4,539,615	4,900,671	
	LP&PY	289,739							
	Other Revenue	31,406	25,000	25,000	25,000	25,000	25,000	25,000	
	System Dev. Charges	4,965	5,000	299,003	306,459	312,141	324,041	344,836	
	<b>Subtotal</b>	<b>2,686,666</b>	<b>3,272,718</b>	<b>3,902,125</b>	<b>4,236,061</b>	<b>4,545,035</b>	<b>4,888,657</b>	<b>5,270,507</b>	
	<b>Transfers In</b>	<b>FY2024</b>	<b>FY2025</b>	<b>FY2026</b>	<b>FY2027</b>	<b>FY2028</b>	<b>FY2029</b>	<b>FY2030</b>	
	R.E. Strategic	-	-	-	-	-	-	-	
	Other - ARPA	-	400,000	-	-	-	-	-	
	Other								
	<b>Subtotal</b>	<b>-</b>	<b>400,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
	<b>Total Water Revenues</b>	<b>2,686,666</b>	<b>3,672,718</b>	<b>3,902,125</b>	<b>4,236,061</b>	<b>4,545,035</b>	<b>4,888,657</b>	<b>5,270,507</b>	
	<b>Net Revenue</b>	<b>238,556</b>	<b>922,020</b>	<b>855,054</b>	<b>83,708</b>	<b>619,477</b>	<b>633,788</b>	<b>889,658</b>	
	<b>Retained Earnings</b>	<b>FY2024</b>	<b>FY2025</b>	<b>FY2026</b>	<b>FY2027</b>	<b>FY2028</b>	<b>FY2029</b>	<b>FY2030</b>	
	Begin Year	590,463	856,600	1,095,156	2,017,176	2,709,005	1,895,091	2,514,568	
	Net Revenue	234,285	238,556	922,020	855,054	83,708	619,477	633,788	
	Transfer Out - Capital Exp.	(432,487)	-	-	(163,225)	(897,622)	-	-	
	Transfer Out - Strategic								
	Transfer IN	464,339							
	<b>End Year</b>	<b>856,600</b>	<b>1,095,156</b>	<b>2,017,176</b>	<b>2,709,005</b>	<b>1,895,091</b>	<b>2,514,568</b>	<b>3,148,356</b>	
	R.E. as % of Budget	32%	37%	61%	61%	45%	56%	68%	

#### Notes:

- Descriptive categories used to streamline analysis by grouping revenue by type.
- Proposed rate increase percentage each Fiscal Year to meet revenue target
- 95% of Annual Revenue comes from user charges
- Net Revenue gain or loss per year
- Retained Earnings goal starting point set at 25% of operating budget

### 3. PROFORMA: Proposed Rate

## Water

#### ALT A - EXISTING STRUCTURE

			Rate Increase							
			10.0% 8.0% 6.0% 6.0% 6.0%							
Description	Units	Rate Factor	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30
Capital Charge	Annual / Account	N/A	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00	\$240.00
Tier 1	0-24K GAL /QTR	1.0	\$8.07	\$8.71	\$8.71	\$9.58	\$10.35	\$10.97	\$11.63	\$12.32
Tier 2	24-32K GAL /QTR	1.4	\$9.68	\$10.45	\$12.00	\$13.20	\$14.26	\$15.11	\$16.02	\$16.98
Tier 3	32-40K GAL /QTR	1.7	\$9.68	\$10.45	\$15.24	\$16.76	\$18.11	\$19.19	\$20.34	\$21.56
Tier 4	>40K GAL /QTR	2.2	\$9.68	\$10.45	\$19.00	\$20.90	\$22.57	\$23.93	\$25.36	\$26.88
Fire Suppression 1 in	Annual / Account		\$102.60	\$102.60	\$102.60	\$112.86	\$121.89	\$129.20	\$136.95	\$145.17
Fire Suppression 1.5 in	Annual / Account		\$206.28	\$206.28	\$206.28	\$226.91	\$245.06	\$259.76	\$275.35	\$291.87
Fire Suppression 2 in	Annual / Account		\$329.40	\$329.40	\$329.40	\$362.34	\$391.33	\$414.81	\$439.70	\$466.08
Fire Suppression 4 in	Annual / Account		\$1,030.32	\$1,030.32	\$1,030.32	\$1,133.35	\$1,224.02	\$1,297.46	\$1,375.31	\$1,457.83
Fire Suppression 6 in	Annual / Account		\$2,060.64	\$2,060.64	\$2,060.64	\$2,266.70	\$2,448.04	\$2,594.92	\$2,750.62	\$2,915.66
Fire Suppression 8 in	Annual / Account		\$3,297.24	\$3,297.24	\$3,297.24	\$3,626.96	\$3,917.12	\$4,152.15	\$4,401.28	\$4,665.35

#### NOTE:

Capital Charge remains unchanged FY26-30; only tiered rates increase by the percentage above each fiscal year.

## 4. CUSTOMER IMPACTS-Water

2

### Residential customers

	Meter	1		Annual Cost Comparison								5-Year
	Size			Usage	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30
i) Residential- Low usage	5/8"	4,000	ALT A	\$369	\$379	\$379	\$393	\$406	\$415	\$426	\$437	\$2,457
ii) Residential - Typical usage	5/8"	12,000	ALT A	\$627	\$658	\$658	\$700	\$737	\$766	\$798	\$832	\$4,491
iii) Residential - High Usage	5/8"	16,000	ALT A	\$756	\$797	\$797	\$853	\$902	\$942	\$984	\$1,029	\$5,508

### Notes:

1. Usage based upon quarterly billing period, annual costs based upon 4X value shown.
2. 5-Year total provided to provide convenient method for comparing alternatives.

## 4. CUSTOMER IMPACTS-Water

Non-residential customers				Annual Cost Comparison								5-Year
				FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	Total
STOP AND SHOP	Meter Size 2"	Usage 314,800	ALT A	\$36,653	\$39,549	\$70,682	\$77,726	\$83,925	\$88,947	\$94,269	\$99,911	\$515,460
THERMO FISHER	Meter Size 4"	Usage 211,700	ALT A	\$24,677	\$26,620	\$47,175	\$51,869	\$55,999	\$59,345	\$62,891	\$66,650	\$343,930

### Notes:

1. Usage based upon monthly billing period, annual costs based upon 12X value shown.
2. 5-Year total provided to provide convenient method for comparing alternatives.



# 1. ESTABLISH REVENUE REQUIREMENTS: **OPERATING EXPENSES**

## SEWER ENTERPRISE FUND

### **HISTORIC / PROJECTED EXPENSES**

③

Operating Expenses	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	USE
Personnel Services	278,122	272,950	272,950	285,233	298,068	311,481	325,498	4.5%
Purchase of Services	88,840	88,640	88,640	91,742	94,953	98,277	101,716	3.5%
N. Attleboro Treatment	530,000	625,000	625,000	646,875	669,516	692,949	717,202	3.5%
Supplies	12,238	12,200	12,200	12,627	13,069	13,526	14,000	3.5%
Other Charges and Expenses	1,800	35,900	28,800	29,808	30,851	31,931	33,049	3.5%
Subtotal	911,000	1,034,690	1,027,590	1,066,285	1,106,457	1,148,164	1,191,465	
Indirect Expenses	219,207	205,725	224,967	236,215	248,026	260,427	273,449	5.0%
Total	1,130,207	1,240,415	1,252,557	1,302,501	1,354,484	1,408,592	1,464,914	
<b>Capital Expenses</b>								
Debt - Existing	552,749	308,593	305,029	247,165	235,976	229,999	223,361	
Debt - CIP		-	-	28,435	277,480	495,377	738,849	
Capital Outlay		-	-	-	-	145,200	145,200	
Subtotal	552,749	308,593	305,029	275,600	513,456	870,576	1,107,409	
<b>Total</b>	<b>1,682,956</b>	<b>1,549,008</b>	<b>1,557,586</b>	<b>1,578,101</b>	<b>1,867,940</b>	<b>2,279,167</b>	<b>2,572,323</b>	
Delta Previous	▲ 19.9%	▼ 8.0%	▲ 0.6%	▲ 1.3%	▲ 18.4%	▲ 22.0%	▲ 12.9%	

#### Notes:

1. Annual allocated (budget value) from expenditure ledger reports
2. Values for FY2026 on based on approved budget

**USE:** Used to project values from FY2027 to FY2030

#### Notes:

3. Growth factor assumed for FY2027 forward
4. Existing Debt taken from Plainville master debt schedule

# 1. ESTABLISH REVENUE REQUIREMENTS: **CAPITAL EXPENSES-Sewer Enterprise**

**Fund**

## Capital Improvement Planner

Project Name	System Element	Procurement	Est. Cost	Funding	Term	CIP Year	Start FY	Adj. Cost
I/I - Downtown Area - A-Phase I: N. Side Of East Bacon St	Collection	Construction	\$700,000	Debt - CP	5	2028	2029	\$770,000
I/I - Downtown Area -B - Phase I: S. Side Of East Bacon St	Collection	Design & Const.	\$1,000,000	Debt - CP	5	2029	2030	\$1,100,000
I/I - Downtown Area - A-Phase I: N. Side Of East Bacon St-Design	Enterprise	Design	\$110,000	Debt - CP	5	2027	2027	\$121,000
I/I - West Bacon St Area: West Bacon St Area-Design	Collection	Design	\$120,000	Debt - CP	5	2027	2028	\$132,000
I/I - West Bacon St Area: West Bacon St Area	Collection	Construction	\$750,000	Debt - CP	5	2027	2028	\$825,000
I/I - Downtown Area -B - Phase I: S. Side Of East Bacon St-Desig	Collection	Design	\$175,000	Debt - CP	5	2028	2029	\$192,500
I/I - Washington Street Sewer Lining-Design	Collection	Design	\$100,000	Debt - CP	5	2027	2028	\$110,000
I/I - Washington Street Sewer Lining	Collection	Construction	\$660,000	Debt - CP	5	2028	2029	\$726,000
TOTAL			\$3,615,000					\$3,976,500

### Notes:

1. Projects from latest, updated CIP.

2. Nature of item or element being procured. Note. Model assumes 100% debt funded.

3. Cost from CIP
4. I/I Projects are on the boundary of debt vs. retained earnings funding, shown as individual 5 - year bonds.

5. Start FY is first year of debt service, assume work occurs in CIP year.

## 2. REVENUE EVALUATION: SUMMARY OF EXISTING SOURCES

### Sewer Rates

#### PROFORMA - ALT A EXISTING RATE STRUCTURE

Alt A - Existing Rate Structure		FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030
	1	Rate Increase 3.0% 3.0% 3.0% 3.0% 3.0%						2
	User Charges	1,496,190	1,704,405	1,801,708	1,905,896	2,018,537	2,138,588	2,265,956
	LP&PY	37,240						
	Other Revenue	20,879	25,000	25,000	25,000	25,000	25,000	25,000
	System Dev. Charges	16,860	51,240	109,120	111,370	115,291	120,290	126,968
	<b>Subtotal</b>	<b>1,571,169</b>	<b>1,780,645</b>	<b>1,935,827</b>	<b>2,042,265</b>	<b>2,158,828</b>	<b>2,283,879</b>	<b>2,417,924</b>
	Transfers In	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030
	R.E. Strategic	-	-	-	-	-	-	-
	Other - ARPA	-	-	-	-	-	-	-
	Other							
	<b>Subtotal</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
	<b>Total Sewer Revenues</b>	<b>1,571,169</b>	<b>1,780,645</b>	<b>1,935,827</b>	<b>2,042,265</b>	<b>2,158,828</b>	<b>2,283,879</b>	<b>2,417,924</b>
	<b>Net Revenue</b>	<b>(56,975)</b>	<b>269,876</b>	<b>416,440</b>	<b>502,984</b>	<b>330,350</b>	<b>190,038</b>	<b>31,615</b>
	Retained Earnings	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030
	Begin Year	500,932	624,573	567,598	837,474	1,253,915	1,756,899	1,942,049
	Net Revenue	36,895	(56,975)	269,876	416,440	502,984	330,350	190,038
	Transfer Out - Capital Exp.	-	-	-	-	-	(145,200)	(145,200)
	Transfer Out - Strategic							
	Transfer IN	86,746						
	<b>End Year</b>	<b>624,573</b>	<b>567,598</b>	<b>837,474</b>	<b>1,253,915</b>	<b>1,756,899</b>	<b>1,942,049</b>	<b>1,986,887</b>
	R.E. as % of Budget	37%	37%	54%	79%	94%	91%	82%

#### Notes:

1. Descriptive categories used to streamline analysis by grouping revenue by type.
2. Rate increase per Fiscal Year to meet revenue target
3. 95% of Annual Revenue comes from user charges
4. Net Revenue gain or loss per year
5. Retained Earnings goal starting point set at 25% of operating budget

### 3. PROFORMA: Proposed Rate

## Sewer

#### ALT A - EXISTING STRUCTURE

			Rate Increase						
			3.0%						
Description	Units	Rate Factor	FY23	FY25	FY26	FY27	FY28	FY29	FY30
Capital Charge	Each	N/A	\$115.00	\$115.00	\$115.00	\$115.00	\$115.00	\$115.00	\$115.00
Tier 1	0-24K GAL /QTR	1.0	\$7.87	\$8.64	\$8.90	\$9.17	\$9.44	\$9.72	\$10.02
Tier 2	>24K GAL /QTR	1.2	\$9.45	\$10.37	\$10.68	\$11.00	\$11.33	\$11.67	\$12.02
Tier 3			\$9.45	\$10.37	\$10.68	\$11.00	\$11.33	\$11.67	\$12.02
Tier 4			\$9.45	\$10.37	\$10.68	\$11.00	\$11.33	\$11.67	\$12.02

#### NOTE:

Capital Charge remains unchanged FY26-30; only tiered rates increase by the percentage above each fiscal year.

## 4. CUSTOMER IMPACTS-Sewer

2

### Residential customers

1

#### Annual Cost Comparison

5-Year

	Meter Size	USAGE		FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	Total
i) Residential- Low usage	5/8	3,400	ALT A	\$222	\$226	\$233	\$233	\$237	\$243	\$249	\$255	\$1,450
ii) Residential - Typical usage	5/8	10,200	ALT A	\$436	\$448	\$468	\$468	\$477	\$489	\$501	\$514	\$2,915
iii) Residential - High Usage	5/8	13,600	ALT A	\$543	\$558	\$585	\$585	\$597	\$612	\$627	\$643	\$3,648

### Notes:

1. Usage based upon quarterly billing period; residential sewer billed at 85% of metered water use, annual costs based upon 4X value shown.
2. 5-Year total provided to provide convenient method for comparing alternatives.

## 4. CUSTOMER IMPACTS-Sewer

1

2

### Non-residential customers

	Meter Size	Usage		Annual Cost Comparison								5-Year
				FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	Total
109 TAUNTON ST - STOP AND SHOP	2"	314,800	ALT A	\$35,662	\$36,903	\$39,123	\$40,293	\$41,498	\$42,740	\$44,018	\$45,336	\$253,007
Thermo Fisher	4"	211,700	ALT A	\$23,970	\$24,804	\$26,293	\$27,078	\$27,887	\$28,720	\$29,578	\$30,462	\$170,019

### Notes:

1. Usage based upon 7/1/22 monthly billing period; commercial sewer billed at 100% of metered water use, annual costs based upon 12X value shown.
2. 5-Year total provided to provide convenient method for comparing alternatives.

## 4. CUSTOMER IMPACTS- Residential Combined Water and Sewer

### Water & Sewer Combined Annual Cost - Alternative A (Current Rate Structure)

Utility	FY25	FY26	FY27	FY28	FY29	FY30
<b>i) Residential- Low usage</b>						
Water	\$379	\$393	\$406	\$415	\$426	\$437
Sewer	\$233	\$236	\$240	\$243	\$247	\$251
<b>Total</b>	<b>\$612</b>	<b>\$629</b>	<b>\$645</b>	<b>\$659</b>	<b>\$673</b>	<b>\$688</b>
		2.9%	2.5%	2.1%	2.2%	2.2%
<b>ii) Residential - Typical usage</b>						
Water	\$658	\$700	\$737	\$766	\$798	\$832
Sewer	\$468	\$478	\$489	\$500	\$512	\$524
<b>Total</b>	<b>\$1,126</b>	<b>\$1,178</b>	<b>\$1,226</b>	<b>\$1,267</b>	<b>\$1,310</b>	<b>\$1,355</b>
		4.7%	4.0%	3.3%	3.4%	3.5%
<b>iii) Residential - High Usage</b>						
Water	\$797	\$853	\$902	\$942	\$984	\$1,029
Sewer	\$585	\$599	\$614	\$629	\$644	\$660
<b>Total</b>	<b>\$1,382</b>	<b>\$1,452</b>	<b>\$1,516</b>	<b>\$1,571</b>	<b>\$1,628</b>	<b>\$1,689</b>
		5.1%	4.4%	3.6%	3.7%	3.7%

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#### Notes:

1. Percentage indicates incremental increase over the previous fiscal year.

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