



# Town of Ayer **STORMWATER UTILITY EVALUATION** *PRELIMINARY FINDINGS*

15-NOV-2023

# PROJECTING EXPENSES – OPERATING EXPENSES

## Town of *Ayer* Stormwater Rate Model

### Operating Expenses

Personnel Services	Fund	FY24	Projected FY25	Projected FY26	Projected FY27	Projected FY28
Conservation Agent as Inspector	GF	\$ 4,000	\$ 4,080	\$ 4,162	\$ 4,245	\$ 4,330
Civil Engineer	GF	\$ 9,000	\$ 9,180	\$ 9,364	\$ 9,551	\$ 9,742
Town Engineer	GF	\$ 15,000	\$ 15,300	\$ 15,606	\$ 15,918	\$ 16,236
Stormwater Manager	EF	\$ -	\$ 80,000	\$ 81,600	\$ 83,232	\$ 84,897
Director of Public Works	GF	\$ 7,000	\$ 7,140	\$ 7,283	\$ 7,428	\$ 7,577
DPW Billing (Bus Mgr, Billing Assistant)	GF	\$ -	\$ -	\$ -	\$ -	\$ -
Highway Operations	GF	\$ 52,000	\$ 53,040	\$ 54,101	\$ 55,183	\$ 56,286
<b>Total Personnel Services</b>		<b>\$ 87,000</b>	<b>\$ 168,740</b>	<b>\$ 172,115</b>	<b>\$ 175,557</b>	<b>\$ 179,068</b>

### Operating & Maintenance

Drain Repairs by Highway Division/Private Contractor*	EF	\$ 15,000	\$ 15,750	\$ 16,538	\$ 17,364	\$ 18,233
Catch Basin Cleaning by Private Contractor	EF	\$ 18,000	\$ 18,900	\$ 19,845	\$ 20,837	\$ 21,879
CCTV Clean & Inspection Drainage Pipes by Private Contractor	EF	\$ -	\$ -	\$ -	\$ -	\$ -
Stormwater Detention Basin Maintenance by Private Contractor	EF	\$ 10,000	\$ 10,500	\$ 11,025	\$ 11,576	\$ 12,155
CMRSWC services related to Stormwater collaborative	EF	\$ 4,000	\$ 4,200	\$ 4,410	\$ 4,631	\$ 4,862
MS4 Permit - Consulting Services	EF	\$ 50,000	\$ 52,500	\$ 55,125	\$ 57,881	\$ 60,775
Mobile 311 (Asset Management / Work-Order System)	EF	\$ 4,000	\$ 4,200	\$ 4,410	\$ 4,631	\$ 4,862
Stormwater Supplies	EF	\$ 12,500	\$ 13,125	\$ 13,781	\$ 14,470	\$ 15,194
Stormwater Services	EF	\$ 31,150	\$ 32,708	\$ 34,343	\$ 36,060	\$ 37,863
<b>Total Purchase of Services</b>		<b>\$ 144,650</b>	<b>\$ 151,883</b>	<b>\$ 159,477</b>	<b>\$ 167,450</b>	<b>\$ 175,823</b>

### Capital Expenses

Vehicles	GF	\$ -	\$ 275,000	\$ 248,000	\$ 225,000	\$ -
Capital Outlay	EF	\$ 410,000	\$ 410,000	\$ 530,000	\$ 485,000	\$ 660,000
Debt Service	EF	\$ -	\$ -	\$ 250,000	\$ 243,750	\$ 237,500
<b>Total Capital Outlay</b>		<b>\$ 410,000</b>	<b>\$ 685,000</b>	<b>\$ 1,028,000</b>	<b>\$ 953,750</b>	<b>\$ 897,500</b>

### Summary

General Fund	GF	\$ 87,000	\$ 363,740	\$ 338,515	\$ 317,325	\$ 94,172
Enterprise Fund	EF	\$ 554,650	\$ 641,883	\$ 1,021,077	\$ 979,432	\$ 1,158,220
<b>TOTAL EXPENSES</b>		<b>\$ 641,650</b>	<b>\$ 1,005,623</b>	<b>\$ 1,359,591</b>	<b>\$ 1,296,758</b>	<b>\$ 1,252,391</b>

# PROJECTING EXPENSES – CAPITAL

Capital Improvement Planner										
System	Scope	Description	Funding Source	Interest Rate	Estimated Cost	Cost Year	Cost Esc.	Escalated Cost	Start Year	Term
Catchbasins	Eng.+Const.	Storm Drain	Rate	--	\$ 230,000	2024	1.0 X	\$ 230,000	2024	6
Culvert	Engineering	Design Groton School Road	Rate	--	\$ 130,000	2024	1.0 X	\$ 130,000	2024	1
Dam	Engineering	UFP Dam Repair	Rate	--	\$ 50,000	2024	1.0 X	\$ 50,000	2024	1
Culvert	Engineering	Standard year, use money on roads and small culverts, any excess design needed.	Rate	--	\$ 130,000	2025	1.0 X	\$ 130,000	2025	1
Outfall	Construction	Biofiltration/Outfall	Rate	--	\$ 50,000	2025	1.0 X	\$ 50,000	2025	1
Culvert	Construction	Groton School Road Culvert - no cost yet available, 2.5M is very much an estimate	Debt	5.0%	\$ 2,500,000	2026	1.0 X	\$ 2,500,000	2026	20
Dam	Construction	UFP Dam Repair	Rate	--	\$ 300,000	2026	1.0 X	\$ 300,000	2026	1
Enterprise	Vehicle	Street Sweeper	GF		\$ 220,000	2023	1.1 X	\$ 248,000	2026	1
Culvert	Engineering	Standard year and/or use any money for design	Rate	--	\$ 130,000	2027	1.0 X	\$ 130,000	2027	1
Dam	Engineering	Balch Pond Dam	Rate	--	\$ 75,000	2027	1.0 X	\$ 75,000	2027	1
Enterprise	Vehicle	3500 Dump Truck	GF		\$ 275,000	2025	1.0 X	\$ 275,000	2025	1
Outfall	Construction	Biofiltration/Outfall	Rate	--	\$ 50,000	2027	1.0 X	\$ 50,000	2027	1
Culvert	Construction	Standard year and/or use any money for design	Rate	--	\$ 130,000	2028	1.0 X	\$ 130,000	2028	1
Dam	Construction	Balch Pond Dam	Rate	--	\$ 300,000	2028	1.0 X	\$ 300,000	2028	1
Culvert	Engineering	P-1096-Willow Road	Debt	5.0%	\$ 1,800,000	2029	1.0 X	\$ 1,800,000	2029	20
Enterprise	Vehicle	BACKHOE Loader	GF		\$ 225,000	2027	1.0 X	\$ 225,000	2027	1
Total					\$ 6,595,000			\$ 6,623,000		

## Notes & Key Points

1. GF – General Fund, Rate = Enterprise Fund, Debt = Enterprise Fund
2. Start Year indicates year that cost is incurred
3. Term indicates amortization period (Debt) or number of years cost is repeated (Rate)



# PROJECTING REVENUES

## Summary

General Fund	GF	\$ 87,000	\$ 363,740	\$ 338,515	\$ 317,325	\$ 94,172
Enterprise Fund	EF	\$ 554,650	\$ 641,883	\$ 1,021,077	\$ 979,432	\$ 1,158,220
<b>TOTAL EXPENSES</b>		<b>\$ 641,650</b>	<b>\$ 1,005,623</b>	<b>\$ 1,359,591</b>	<b>\$ 1,296,758</b>	<b>\$ 1,252,391</b>

## Cost Recovery (EF)

	FY24	FY25	FY26	FY27	FY28
			5.0%	5.0%	5.0%
User Charges		\$ 951,360	\$ 998,928	\$ 1,048,874	\$ 1,101,318
Total Revenue		\$ 951,360	\$ 998,928	\$ 1,048,874	\$ 1,101,318

## Fund Balance (Beginning)

	\$ -	\$ 309,478	\$ 287,329	\$ 356,771
Net Revenue	\$ 719,478	\$ 507,851	\$ 554,442	\$ 603,099
Capital Outlay	\$ (410,000)	\$ (530,000)	\$ (485,000)	\$ (660,000)

## Fund Balance (End)

	\$ 309,478	\$ 287,329	\$ 356,771	\$ 299,869
(as % OpEx -no debt)	✓ 97%	✓ 87%	✓ 104%	✓ 84%

## Rates

### Flat ERU Rate Structure

Description	Type	0%	0%	5%	5%	5%
		FY24	FY25	FY26	FY27	FY28
ERU	Annual Fee		\$120.00	\$126.00	\$132.30	\$138.92

### Proforma - Proposed Rates

