Round Hill Rate Study Part 5: Advertised Rates

March 15, 2023 - Introduction of Issues

April 5, 2023 – Capital Project Scenarios

April 19, 2023 – Near Term Financing (w/Davenport)

May 3, 2023 – Rate Scenarios



May 17, 2023 - Advertised Rates

Rate Study Recap

- March 15: overview of utility system
 - Outlined challenges facing current rate structure
 - Significant increase in projected CIP costs and difficult inflation environment
- April 5: determining the CIP plan
 - Council chose a baseline scenario with \$12M in projected CIP
 - 4 major projects (Airmont Tank, ESTP, Well-D, Filter replacements)
- April 19: discussion with Davenport on near-term financing
 - RFP for \$2.5M in bank placement since released
- May 3: discussion of rate scenarios to fund \$12M CIP plan
 - Council narrowed to 24-5-5-5 vs. 15-15-5-5-5

Today is to determine advertised rates

CIP, Debt and Inflation Baselines

- Mayor and Town Manager have refined project list several times
 - Converged at \$10.6M in specified projects
 - Unspecified \$1.7M for miscellaneous and unknown
- Sequencing of projects for rate study completed
 - Well D and Tertiary filters this summer/fall
 - Airmont Tank next summer
 - ESTP after Tank finishes
 - Spreads out loans, staff has 1 big project at a time
- Town has debt margin to fund the 4 major projects
- Assuming 5% O&M inflation rate in baseline

Baseline CIP Plan

Project	% Water	5-year Total
Airmont Tank	100%	\$ 4,100,000
Well D	100%	\$ 570,000
Sewer Upgrades	0%	\$ 400,000
Sewer Repairs	0%	\$ 150,000
Water Repairs	100%	\$ 540,000
ESTP	100%	\$ 3,390,000
Wells	100%	\$ 60,000
NewOfficeBldg	50%	\$ 250,000
Fleet	50%	\$ 235,000
TertiaryFilters	0%	\$ 615,000
Stoneleigh	100%	\$ 130,000
Water Meters	100%	\$ 125,000
Unspecified	50%	\$ 1,700,000
Total CIP	82%	\$12,265,000
*		

*only future project costs shown

New Debt Instruments

Bank Placement Bond Southern Tank Bond ESTP Bond

	Baseline Debt Plan											
Year	Pri	ncipal	Term	Rate	%Water	%Sewer						
2024	\$	2.5M	20	5.0%	60%	40%						
2025	\$	3.8M	30	5.0%	100%	0%						
2027	\$	3.2M	20	5.5%	100%	0%						

Financial Model w/1 big step, 5% escalator

\$12.3M CIP

2020 2021 2022 2023 2024 2025 2026 2027 2028 2028 2028 2026 2027 2028 2028 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029 2029	φ12.3W CIF		Historical										5	-ye	ar Projectio	n			
Water Operating Receipts \$ 883,153 \$ 952,513 \$ 980,521 \$ 1,021,424 \$ 1,237,358 \$ 1,302,611 \$ 1,370,885 \$ 1,443,963 \$ 1,515 \$ 1,390,423 \$ 1,293,471 \$ 1,374,895 \$ 1,419,678 \$ 1,522,787 \$ 1,796,861 \$ 1,891,279 \$ 1,990,483 \$ 2,095,426 \$ 2,200 Operating Receipts \$ 2,166,624 \$ 2,327,408 \$ 2,400,199 \$ 2,544,211 \$ 3,034,220 \$ 3,193,891 \$ 3,361,367 \$ 3,539,899 \$ 3,722 \$ 2,804 Operating Payments \$ (708,089) \$ (1,040,095) \$ (971,460) \$ (1,034,60) \$ (1,046,08) \$ (1,034,030) \$ (1,165,373) \$ (1,196,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,146,139) \$ (1,144,139) \$ (1,144,139) \$ (1,144,139) \$ (1,144,139) \$ (1,144,139) \$ (1,144,139) \$ (1,144,139) \$ (1,144,139) \$ (1,144,139) \$ (1,144,139) \$ (1,144,139) \$ (1,144,139) \$ (1,144,13	(Baseline Debt)		Actual		Actual		Actual		Projected		Projected		Projected	ı	Projected		Projected	ı	Projected
Sewer Operating Receipts	24% FY24, 5% after		2020		2021		2022		2023		2024		2025		2026		2027		2028
Sewer Operating Receipts																			
Operating Receipts	. • .	\$		\$,				, ,			\$, ,	\$		\$		\$	1,519,294
Water Operating Payments	, , ,	\$	1,293,471	\$		\$	' '	\$				\$	1,891,279	\$		\$		\$	2,206,150
Sewer Operating Payments Operating Payments Operating Payments Operating Payments Operating Surplus/(Deficit) \$ (1,196,139) \$ (1,136,757) \$ (1,100,425) \$ (2,071,705) \$ (2,216,724) \$ (2,327,551) \$ (2,443,939) \$ (2,566,136) \$ (2,694,442) \$ (2,827,675) \$ (2,216,724) \$ (2,327,687) \$ (706,659) \$ 749,952 \$ 795,232 \$ 844,947 \$ 889,973) \$ (1,502,694,442) \$ (2,827,487) \$ 706,659 \$ 749,952 \$ 795,232 \$ 844,947 \$ 889,973) \$ (1,502,694,442) \$ (2,827,487) \$ 706,659 \$ 749,952 \$ 795,232 \$ 844,947 \$ 889,973) \$ (1,502,694,442) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1,602,694) \$ (1		\$		*	, ,	-			, ,			\$		\$		-		_	3,725,443
Operating Payments Operating Surplus/(Deficit) \$ (1,904,228) \$ (2,177,662) \$ (2,071,705) \$ (2,216,724) \$ (2,327,561) \$ (2,443,939) \$ (2,566,136) \$ (2,694,442) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,824) \$ (2,822,8	. • .	\$, , ,				, ,						,		,		, , , ,		(1,326,647)
Total Debt Service (P+I)		\$	· · · /				,		, , , ,				,				,		(1,502,517)
Total Debt Service (P+I) Water Cash-funded Capital Sewer Cash funded Capital Sewer Cash funded Capital Sewer Cash funded Capital Sewer Cash Surplus/(Deficit) Sewer Cash Reserves Sewer Cash R		\$						_				_		_					(2,829,164)
Water Cash-funded Capital \$ (190,732) \$ (364,912) \$ (560,775) \$ (442,500) \$ (407,163) \$ (150,653) \$ (379,670) \$ (287,714) \$ (148,714) \$ (242,500) \$ (407,163) \$ (150,653) \$ (379,670) \$ (287,714) \$ (248,714) \$ (246,714) \$ (248,714) \$ (230,606) \$ (248,340) \$ (145,714) \$ (230,340) \$ (248,340) \$ (433,428) \$ (384,342) \$ (384,342) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,542) \$ (343,428) \$ (384,542) \$ (343,428) \$ (384,542) \$ (343,428) \$ (384,542) \$ (343,428) \$ (384,542) \$ (343,428) \$ (384,542) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$	Operating Surplus/(Deficit)	\$	282,396	\$	149,746	\$	328,494	\$	327,487	\$	706,659	\$	749,952	\$	795,232	\$	844,947	\$	896,279
Water Cash-funded Capital \$ (190,732) \$ (364,912) \$ (560,775) \$ (442,500) \$ (407,163) \$ (150,653) \$ (379,670) \$ (287,714) \$ (148,714) \$ (242,500) \$ (407,163) \$ (150,653) \$ (379,670) \$ (287,714) \$ (248,714) \$ (246,714) \$ (248,714) \$ (230,606) \$ (248,340) \$ (145,714) \$ (230,340) \$ (248,340) \$ (433,428) \$ (384,342) \$ (384,342) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,342) \$ (343,428) \$ (384,542) \$ (343,428) \$ (384,542) \$ (343,428) \$ (384,542) \$ (343,428) \$ (384,542) \$ (343,428) \$ (384,542) \$ (343,428) \$ (384,542) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$ (444,655) \$			()								(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		(222 22 2)		(2=2 4 4 4)		(0.00 (0.00)		// /aa a=a>
Sewer Cash-funded Capital \$ (70,507) \$ (154,845) \$ (235,264) \$ (127,500) \$ (346,163) \$ (69,653) \$ (102,670) \$ (145,714) \$ (235,644) \$ (261,239) \$ (519,757) \$ (796,039) \$ (570,000) \$ (753,326) \$ (220,306) \$ (482,340) \$ (433,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (348,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (343,428) \$ (384,660) \$ (343,428) \$ (384,660) \$ (343,428) \$ (343,428) \$ (343,428) \$ (343,428) \$ (343,428) \$ (343,428) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344,660) \$ (344	` ,	-		-	, , ,		· , ,		, , ,				, ,			-			(1,120,076)
Cash-funded capital	•	\$, , ,		, ,		, , ,								, , ,				(149,384)
Availability fees Non-Operating Surplus/(Deficit) \$\frac{32,788}{32,788}\$\$\$\$\frac{(933,941)}{(933,941)}\$\$\$\$\frac{(167,761)}{(167,761)}\$\$\$\$\frac{(792,141)}{(792,141)}\$\$\$\frac{(949,003)}{(949,003)}\$\$\$\$\frac{(608,080)}{(608,080)}\$\$\$\$\frac{(1,107,504)}{(1,107,504)}\$\$\$\$\frac{(1,046,936)}{(1,046,936)}\$\$\$\$\frac{(1,24)}{(1,24)}\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$		\$. , ,		, ,						, ,		, ,						(235,384)
Non-Operating Surplus/(Deficit) \$ 32,788 \$ (933,941) \$ (167,761) \$ (792,141) \$ (949,003) \$ (608,080) \$ (1,107,504) \$ (1,046,936) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,247) \$ (1,24		\$,	-		ı										\$			(384,768)
Total Cash Surplus/(Deficit) \$ 315,184 \$ (784,195) \$ 160,733 \$ (464,655) \$ (242,344) \$ 141,872 \$ (312,272) \$ (201,989) \$ (35) Water Cash Reserves \$ 2,849,557 \$ 2,334,424 \$ 2,188,388 \$ 1,754,528 \$ 1,528,145 \$ 1,453,077 \$ 917,613 \$ 492,327 \$ (45) Sewer Cash Reserves \$ 3,161,022 \$ 2,891,960 \$ 3,198,729 \$ 3,167,934 \$ 3,151,974 \$ 3,368,914 \$ 3,592,105 \$ 3,815,402 \$ 3,996 Total Cash Reserves \$ 6,010,582 \$ 5,226,387 \$ 5,387,120 \$ 4,922,465 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 Reserve Target (Op Pmts + Debt) \$ 2,397,301 \$ 2,592,838 \$ 2,481,551 \$ 2,638,866 \$ 2,734,520 \$ 3,053,564 \$ 3,424,246 \$ 3,552,610 \$ 3,948 Months of Reserve (>12) \$ 3,118,005 \$ 3,295,330 \$ 3,295,330 \$ 3,268,866 \$ 6,060,520 \$ 5,312,564 \$ 5,894,246 \$ 6,472,610 \$ 5,234 Debt Servicing Ratio (<30%)		-														\$		т_	256,926
Water Cash Reserves \$ 2,849,557 \$ 2,334,424 \$ 2,188,388 \$ 1,754,528 \$ 1,528,145 \$ 1,453,077 \$ 917,613 \$ 492,327 \$ (45,528) \$ 3,161,022 \$ 2,891,960 \$ 3,198,729 \$ 3,167,934 \$ 3,151,974 \$ 3,368,914 \$ 3,592,105 \$ 3,815,402 \$ 3,995 \$ (46,010,582) \$ 5,226,387 \$ 5,387,120 \$ 4,922,465 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,950 \$ (47,010,010,010) \$ 2,397,301 \$ 2,592,838 \$ 2,481,551 \$ 2,638,866 \$ 2,734,520 \$ 3,053,564 \$ 3,424,246 \$ 3,552,610 \$ 3,945 \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010)	Non-Operating Surplus/(Deficit)	\$	32,788	\$	(933,941)	\$	(167,761)	\$	(792,141)	\$	(949,003)	\$	(608,080)	\$	(1,107,504)	\$	(1,046,936)	\$	(1,247,918)
Water Cash Reserves \$ 2,849,557 \$ 2,334,424 \$ 2,188,388 \$ 1,754,528 \$ 1,528,145 \$ 1,453,077 \$ 917,613 \$ 492,327 \$ (45,528) \$ 3,161,022 \$ 2,891,960 \$ 3,198,729 \$ 3,167,934 \$ 3,151,974 \$ 3,368,914 \$ 3,592,105 \$ 3,815,402 \$ 3,995 \$ (46,010,582) \$ 5,226,387 \$ 5,387,120 \$ 4,922,465 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,950 \$ (47,010,010,010) \$ 2,397,301 \$ 2,592,838 \$ 2,481,551 \$ 2,638,866 \$ 2,734,520 \$ 3,053,564 \$ 3,424,246 \$ 3,552,610 \$ 3,945 \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010) \$ (47,010,010)	Total Cash Surplus/(Deficit)	\$	315.184	\$	(784.195)	\$	160.733	\$	(464.655)	\$	(242.344)	\$	141.872	\$	(312.272)	\$	(201.989)	\$	(351,640)
Sewer Cash Reserves \$ 3.161.022 \$ 2.891.960 \$ 3.198.729 \$ 3.167.934 \$ 3.151.974 \$ 3.368.914 \$ 3.592.105 \$ 3.815.402 \$ 3.995 Total Cash Reserves \$ 6,010,582 \$ 5,226,387 \$ 5,387,120 \$ 4,922,465 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3.955 Reserve Target (Op Pmts + Debt) \$ 2,397,301 \$ 2,592,838 \$ 2,481,551 \$ 2,638,866 \$ 2,734,520 \$ 3,053,564 \$ 3,424,246 \$ 3,552,610 \$ 3,945 Months of Reserve (>12) 30.1 24.2 26.1 22.4 20.5 18.9 15.8 14.6 Total Expenditures Debt Servicing Ratio (<30%)		Ť	,		(===,===,	Ť	,	Ť	(101,000)	Ť	(= :=,= : :)	Ť	,	Ť	(==,==,	Ť	(===,===)	Ť	(001,010)
Sewer Cash Reserves \$ 3.161.022 \$ 2.891.960 \$ 3.198.729 \$ 3.167.934 \$ 3.368.914 \$ 3.592.105 \$ 3.815.402 \$ 3.995 Total Cash Reserves \$ 6,010,582 \$ 5,226,387 \$ 5,387,120 \$ 4,922,465 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 Reserve Target (Op Pmts + Debt) Months of Reserve (>12) \$ 2,397,301 \$ 2,592,838 \$ 2,481,551 \$ 2,638,866 \$ 2,734,520 \$ 3,053,564 \$ 3,424,246 \$ 3,552,610 \$ 3,946 Months of Reserve (>12) \$ 2,697,862 \$ 3,118,005 \$ 3,295,330 \$ 3,268,866 \$ 6,060,520 \$ 5,312,564 \$ 5,894,246 \$ 6,472,610 \$ 5,236 Debt Servicing Ratio (<30%)	Water Cash Reserves	\$	2,849,557	\$	2,334,424	\$	2,188,388	\$	1,754,528	\$	1,528,145	\$	1,453,077	\$	917,613	\$	492,327	\$	(43,796)
Total Cash Reserves \$ 6,010,582 \$ 5,226,387 \$ 5,387,120 \$ 4,922,465 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,307,732 \$ 3,956 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,821,993 \$ 4,509,721 \$ 4,821,993 \$ 4,509,721 \$ 4,821,993 \$ 4,509,721 \$ 4,821,993 \$ 4,509,721 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,680,122 \$ 4,821,993 \$ 4,821,993 \$ 4,509,721 \$ 4,680,122 \$ 4,821,993 \$ 4,509,721 \$ 4,680,122 \$ 4,821,993 \$ 4,680,122 \$ 4,821,993 \$ 4,821,993 \$ 4,509,721 \$ 4,821,993 \$ 4,509,721 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,993 \$ 4,821,9	Sewer Cash Reserves	\$	3.161.022	\$	2.891.960	\$	3.198.729	\$						\$	3.592.105	\$	3.815.402	\$	3.999.885
Reserve Target (Op Pmts + Debt) Sample Sampl	Total Cash Reserves	\$	6,010,582	\$	5,226,387	\$	5,387,120	\$		_	4,680,122	\$			4,509,721	\$		\$	3,956,092
Months of Reserve (>12) 30.1 24.2 26.1 22.4 20.5 18.9 15.8 14.6 Total Expenditures Debt Servicing Ratio (<30%)																			
Total Expenditures Debt Servicing Ratio (<30%) \$ 2,697,862 \$ 3,118,005 \$ 3,295,330 \$ 3,268,866 \$ 6,060,520 \$ 5,312,564 \$ 5,894,246 \$ 6,472,610 \$ 5,231 CIP Expenses (5-year annual avg) Debt Funded CIP (5-year annual avg) \$ 15,084 \$ 5,294 \$ 4,639 \$ -	Reserve Target (Op Pmts + Debt)	\$	2,397,301	\$	2,592,838	\$	2,481,551	\$	2,638,866	\$	2,734,520	\$	3,053,564	\$	3,424,246	\$	3,552,610	\$	3,949,240
Debt Servicing Ratio (<30%) 18% 13% 12% 13% 7% 11% 15% 13% CIP Expenses (5-year annual avg) \$ (323,034) \$ (384,533) \$ (499,389) \$ (574,354) \$ (1,119,101) \$ (1,510,789) \$ (1,899,756) \$ (2,321,000) \$ (2,450,450) Debt Funded CIP (5-year annual avg) \$ 15,084 \$ 5,294 \$ 4,639 \$ - \$ 485,000 \$ 853,600 \$ 1,222,200 \$ 1,687,800 \$ 1,843	Months of Reserve (>12)		30.1		24.2		26.1		22.4		20.5		18.9		15.8		14.6		12.0
Debt Servicing Ratio (<30%) 18% 13% 12% 13% 7% 11% 15% 13% CIP Expenses (5-year annual avg) \$ (323,034) \$ (384,533) \$ (499,389) \$ (574,354) \$ (1,119,101) \$ (1,510,789) \$ (1,899,756) \$ (2,321,000) \$ (2,450,450) Debt Funded CIP (5-year annual avg) \$ 15,084 \$ 5,294 \$ 4,639 \$ - \$ 485,000 \$ 853,600 \$ 1,222,200 \$ 1,687,800 \$ 1,843																			
CIP Expenses (5-year annual avg) \$ (323,034) \$ (384,533) \$ (499,389) \$ (574,354) \$ (1,119,101) \$ (1,510,789) \$ (1,899,756) \$ (2,321,000) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,321,000) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,453) \$ (2,	•	\$, ,	*		*	, ,	\$,		\$		\$			5,239,240
Debt Funded CIP (5-year annual avg) \$ 15,084 \$ 5,294 \$ 4,639 \$ - \$ 485,000 \$ 853,600 \$ 1,222,200 \$ 1,687,800 \$ 1,845	Debt Servicing Ratio (<30%)		18%		13%		12%		13%		7%		11%		15%		13%		21%
Debt Funded CIP (5-year annual avg) \$ 15,084 \$ 5,294 \$ 4,639 \$ - \$ 485,000 \$ 853,600 \$ 1,222,200 \$ 1,687,800 \$ 1,845	OID Formation (Formation)	Φ.	(000,004)	Φ.	(004 500)	_	(400,000)	•	(574.054)	•	(4.440.404)	φ.	(4.540.700)	Φ.	(4.000.750)	•	(0.004.000)	φ.	(0.450.000)
	. ,		, , ,		, ,				(5/4,354)		, , , ,				,	-	,		(2,453,000)
Non-debt funded CIP (>25%) 95% 99% 99% 100% 57% 43% 36% 27%	, ,	\$,			\$	-	-	,	,		\$		\$			1,843,000
	Non-aebt funded CIP (>25%)		95%		99%		99%		100%		57%		43%		36%		27%		25%
Total Debt \$ 5,130,000 \$ 3,965,000 \$ 3,740,000 \$ 3,510,000 \$ 5,765,000 \$ 9,229,394 \$ 8,817,811 \$ 11,589,400 \$ 11,043	Total Debt	\$	5 130 000	\$	3 965 000	\$	3 740 000	\$	3 510 000	\$	5 765 000	\$	9 229 304	\$	8 817 811	\$	11 589 400	\$	11,042,044
+ 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		\$	<u> </u>		<u>, , , </u>	,		_								•			1,607,058
Pro-Rata Debt vs. Assessments (<2%) 0.7% 0.6% 0.5% 0.4% 0.7% 1.0% 0.9% 1.2%		Ψ			•	Ψ		Ψ				,		Ψ		Ψ		,	1,007,038

Financial Model w/2 steps, 5% escalator

\$12.3M CIP

\$12.3W CIF		Historical										5	-ye	ar Projection	n			
(Baseline Debt)		Actual		Actual		Actual		Projected		Projected		Projected	F	Projected		Projected	F	Projected
15% FY24&FY25, 5% after		2020		2021		2022		2023		2024		2025		2026		2027		2028
Water Operating Receipts	\$	893,153	\$	952,513	\$	980,521	\$	1,021,424	\$	1,148,384	\$	1,324,235	\$	1,394,324	\$	1,466,645	\$	1,543,802
Sewer Operating Receipts	\$	1,293,471	\$	1,374,895	\$	1,419,678	\$	1,522,787		1,666,509	\$	1,920,031	\$	2,021,011	\$	2,126,953	\$	2,239,468
Operating Receipts	\$	2,186,624	\$,- ,	\$	2,400,199	\$	2,544,211		2,814,893		3,244,266	\$	3,415,334	\$	3,593,598	\$	3,783,270
Water Operating Payments	\$	(708,089)		(1,040,905)		(971,460)		(1,039,463)		(1,091,436)		(1,146,008)		(1,203,308)	-	(1,263,473)		(1,326,647)
Sewer Operating Payments	\$	(1,196,139)		(1,136,757)		(1,100,245)		(1,177,262)		(1,236,125)		(1,297,931)		(1,362,828)		(1,430,969)		(1,502,517)
Operating Payments	\$	(1,904,228)		(2,177,662)		(2,071,705)		(2,216,724)		(2,327,561)		(2,443,939)	_	(2,566,136)		(2,694,442)	_	(2,829,164)
Operating Surplus/(Deficit)	\$	282,396	\$	149,746	\$	328,494	\$	327,487	\$	487,332	\$	800,327	\$	849,199	\$	899,156	\$	954,105
																,_ _ _		
Total Debt Service (P+I)	\$	(493,073)		(415,176)		(409,846)		(422,141)		(406,959)		(609,625)		(858,111)		(858,168)		(1,120,076)
Water Cash-funded Capital	\$	(190,732)		(364,912)		(560,775)		(442,500)		(407,163)		(154,173)		(382,488)		(289,752)		(150,614)
Sewer Cash-funded Capital	\$	(70,507)		(154,845)		(235,264)		(127,500)		(346,163)		(73,173)		(105,488)		(147,752)		(236,614)
Cash-funded capital	\$	(261,239)	-	(519,757)		(796,039)		(570,000)		(753,326)	-	(227,346)		(487,976)		(437,504)		(387,228)
Availability fees	\$	787,100			\$	1,038,124	_	200,000	_	195,943	·	225,329		236,600	\$	248,404	\$	260,852
Non-Operating Surplus/(Deficit)	\$	32,788	\$	(933,941)	Þ	(167,761)	Þ	(792,141)	Þ	(964,343)	Þ	(611,643)	\$	(1,109,487)	Þ	(1,047,268)	\$	(1,246,452)
Total Cash Surplus/(Deficit)	\$	315,184	\$	(784,195)	\$	160,733	\$	(464,655)	\$	(477,011)	\$	188,684	\$	(260,288)	\$	(148,112)	\$	(292,347)
Water Cash Reserves	\$	2,849,557	\$	2,334,424	\$	2,188,388	\$	1,754,528	\$	1,432,209	\$	1,376,824	\$	863,639	\$	460,693	\$	(50,377)
Sewer Cash Reserves	\$	3,161,022	\$	2,891,960	\$	3,198,729	\$	3,167,934	\$	3,013,243	\$	3,257,312	\$	3,510,209	\$	3,765,043	\$	3,983,766
Total Cash Reserves	\$	6,010,582	\$	5,226,387	\$	5,387,120	\$	4,922,465	\$	4,445,455	\$	4,634,139	\$	4,373,851	\$	4,225,739	\$	3,933,392
Reserve Target (Op Pmts + Debt)	\$	2,397,301	\$	2,592,838	\$	2,481,551	\$	2,638,866	\$	2,734,520	\$	3,053,564	\$	3,424,246	\$	3,552,610	\$	3,949,240
Months of Reserve (>12)		30.1		24.2		26.1		22.4		19.5		18.2		15.3		14.3		12.0
Total Foreign ditters	Φ.	0.007.000	Φ.	0.440.005	Φ.	0.005.000	•	0.000.000	•	0.000.500	Φ.	5 040 504	Φ.	5 004 040	Φ.	0.470.040	•	5 000 040
Total Expenditures	\$	2,697,862 18%	\$	3,118,005	\$	3,295,330	\$	3,268,866		6,060,520	\$	5,312,564	\$	-,,	\$	6,472,610	\$	5,239,240 21%
Debt Servicing Ratio (<30%)		18%		13%		12%		13%		7%		11%		15%		13%		21%
CIP Expenses (5-year annual avg)	\$	(323,034)	\$	(384,533)	\$	(499,389)	\$	(574,354)	\$	(1,119,101)	\$	(1,510,789)	\$	(1,899,756)	\$	(2,321,000)	\$	(2,453,000)
Debt Funded CIP (5-year annual avg)	\$, , ,	\$, , ,	\$	4,639	\$	(5,55 1)	\$	485,000		853,600	\$	1,222,200	\$	1,687,800	\$	1,843,000
Non-debt funded CIP (>25%)	—	95%	*	99%	_	99%	*	100%	-	57%		43%	Ψ	36%	_	27%		25%
, <u>, , , , , , , , , , , , , , , , , , </u>		20,0		20,0		20,0				51 70		.0,0		20,0		/ 0		_370
Total Debt	\$	5,130,000	\$	3,965,000	\$	3,740,000	\$	3,510,000	\$	5,765,000	\$	9,229,394	\$	8,817,811	\$	11,589,400	\$	11,042,044
Pro-Rata Debt	\$	769,500	\$	594,750	\$	561,000	\$	491,400		822,651	\$	1,323,625		1,270,881	\$	1,678,553	\$	1,607,058
Pro-Rata Debt vs. Assessments (<2%)		0.7%		0.6%		0.5%		0.4%		0.7%		1.0%		0.9%		1.2%		1.1%

Easing Water/Sewer Split and Scenarios

- Current rates are 40% water/60% sewer
 - Only relevant for small population of water-only or sewer-only users
 - Actual division of costs is 50% water/50% sewer
 - Sewer-only users (13 of them) significantly overpaying (20% above cost of service)
 - Water-only users (73 of them) significantly underpaying (20% below cost of service)
 - Everyone else (~1750 combined users) unaffected by split and paying correct total rate
- Scenario 1: 24-5-5-5 (adjust rates in 1 year)
- Scenario 2: 24-5-5-5 but also gradually adjust water/sewer split
 - Year 1 both water and sewer rates increase 24% (no adjustment to split)
 - Years 2-5 the sewer rate stays flat (<1%) and water increases 11% per year
 - □ Combined users see 5% increases, water-only sees 11%, sewer-only sees <1%
 - By end of Year 5 the water and sewer rates are the same
- Scenario 3: 15-15-5-5 (phase in step adjustment over 2 years)
- Scenario 4: 15-15-5-5 but also gradually adjust water/sewer split

Fiscal Policy Checks by Scenario

24% FY24, 5% after 24% FY24, 10/0% after 15% FY24&FY25, 5% after 15% FY24&FY25, 10/0% after

Reserve	e Level (>	12 months	s operatin	g/debt ex	penses)	Debt Service Ratio (<30% expenditures)									
2023	2024	2025	2026	2027	2028	2023	2024	2025	2026	2027	2028				
22.4 mo	20.5 mo	18.9 mo	15.8 mo	14.6 mo	12.0 mo	13%	7%	11%	15%	13%	21%				
22.4 mo	20.5 mo	19.0 mo	15.9 mo	14.7 mo	12.3 mo	13%	7%	11%	15%	13%	21%				
22.4 mo	19.5 mo	18.2 mo	15.3 mo	14.3 mo	12.0 mo	13%	7%	11%	15%	13%	21%				
22.4 mo	19.5 mo	18.2 mo	15.3 mo	14.3 mo	12.0 mo	13%	7%	11%	15%	13%	21%				

24% FY24, 5% after 24% FY24, 10/0% after 15% FY24&FY25, 5% after 15% FY24&FY25, 10/0% after

No	on-debt fu	nded CIP	Ratio (>25	% total Cl	P)		Pro-Rata	Debt vs. A	ssessments	Ratio (<2%	6)
2023	2024	2025	2026	2027	2028	2023	2024	2025	2026	2027	2028
100%	57%	43%	36%	27%	25%	0.4%	0.7%	1.0%	0.9%	1.2%	1.1%
100%	57%	43%	36%	27%	25%	0.4%	0.7%	1.0%	0.9%	1.2%	1.1%
100%	57%	43%	36%	27%	25%	0.4%	0.7%	1.0%	0.9%	1.2%	1.1%
100%	57%	43%	36%	27%	25%	0.4%	0.7%	1.0%	0.9%	1.2%	1.1%

- All scenarios compliant with adopted fiscal policies
- Availability fees not studied in detail
 - Only minor availability fee revenue projected in future years
 - Availability fees assumed to increase at same % as user rates

Typical User Bills (Water + Sewer)

24% FY24, 5% after 24% FY24, 10/0% after 15% FY24&FY25, 5% after 15% FY24&FY25, 10/0% after

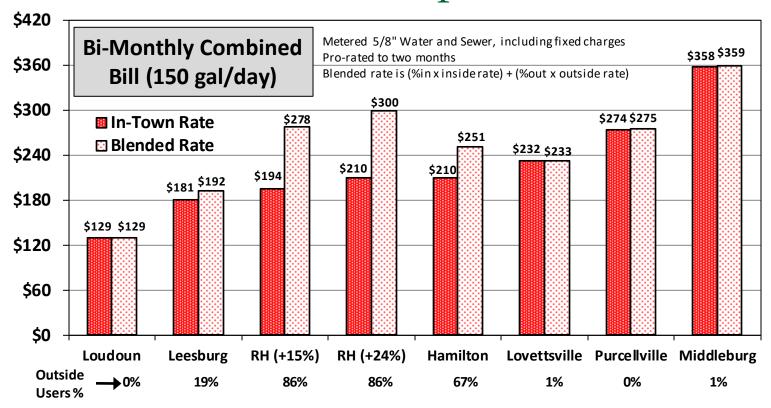
	In-T	own Us	ser E	Simon	thly	Bills (Тур	ical)			Cha	ange	in In	-Tov	vn Use	er Bi	lls Fr	om F	Prior \	⁄ear	
2023	2	2024	2	025	2	026	2	2027	2	2028	2023	20)24	20	025	20	026	20	027	20	28
\$ 160	\$	198	\$	208	\$	218	\$	229	\$	241	-	\$	38	\$	10	\$	10	\$	11	\$	11
\$ 160	\$	198	\$	208	\$	218	\$	229	\$	241	-	\$	38	\$	10	\$	10	\$	11	\$	11
\$ 160	\$	184	\$	211	\$	222	\$	233	\$	244	-	\$	24	\$	28	\$	11	\$	11	\$	12
\$ 160	\$	184	\$	211	\$	222	\$	233	\$	244	•	\$	24	\$	28	\$	11	\$	11	\$	12

24% FY24, 5% after 24% FY24, 10/0% after 15% FY24&FY25, 5% after 15% FY24&FY25, 10/0% after

0	ut-o	f-Town	Use	r Bimo	onth	ly Bill	s (T	ypical))		Chan	ge ii	n Out	of-T	own l	Jser	Bills	ron	n Prio	r Yea	ar
2023	2	2024	2	025	2	2026	2	2027	2	2028	2023	20)24	20	025	20	026	20	027	20)28
\$ 239	\$	297	\$	312	\$	327	\$	344	\$	361	-	\$	57	\$	15	\$	16	\$	16	\$	17
\$ 239	\$	297	\$	312	\$	327	\$	344	\$	361	-	\$	57	\$	15	\$	16	\$	16	\$	17
\$ 239	\$	275	\$	317	\$	332	\$	349	\$	367	-	\$	36	\$	41	\$	16	\$	17	\$	17
\$ 239	\$	275	\$	317	\$	332	\$	349	\$	367	-	\$	36	\$	41	\$	16	\$	17	\$	17

- Decision #1
 - □ 24-5-5-5 vs. 15-15-5-5 vs. ????
- Decision #2
 - Gradually adjust water/sewer split to 50/50 or leave at 40/60

FY24 Town Rate Comparison



- FY23 Rates still being shown for Hamilton and Purcellville
- Blended rate = average system user rate (Round Hill = 0.14*inside + 0.86*outside)
 - Only Hamilton (67%) and Round Hill (86%) have a majority of users out-of-town
 - Hamilton has 2 out-of-town users for every 1 in-town user
 - Round Hill has 6 out-of-town users for every 1 in-town user

Rates for Advertisement

Next Steps

- Town advertises rates
- Draft report released before June 7 meeting
- Public Hearing June 7
- Town adopts rates and report before June 30

General	Water	Sewer	Total In	Total Out
Current User Rates/kgal	\$7.39	\$11.09	\$18.48	\$27.72
Current Availability Fee	\$11,898	\$14,315	\$26,213	\$39,320
Current Connection Fee	\$500	\$825	\$1,325	\$1,325

Scenario User Rates

24% FY24, 5% after 24% FY24, 10/0% after 15% FY24&FY25, 5% after 15% FY24&FY25, 10/0% after

202	24 User Rate	es
Water	Sewer	Total
\$9.16	\$13.75	\$22.91
\$9.16	\$13.75	\$22.91
\$8.50	\$12.75	\$21.25
\$8.50	\$12.75	\$21.25

Scenario Avail Fees

24% FY24, 5% after 24% FY24, 10/0% after 15% FY24&FY25, 5% after 15% FY24&FY25, 10/0% after

2024 Avail Fees											
Water	Sewer	Total									
\$14,754	\$17,751	\$32,505									
\$14,754	\$17,751	\$32,505									
\$13,683	\$16,462	\$30,145									
\$13,683	\$16,462	\$30,145									