APPENDIX A: TABLE 2

CITY OF OWEN SOUND
2020 WATER AND WASTEWATER RATE STUDY
WASTEWATER RATE SETTING

Wastewater Services	**2023 Budget**	**2024 Proj.**	**2025 Proj.**	**2026 Proj.**	**2027 Proj.**	**2028 Proj.**	**2029 Proj.**	**2030 Proj.**	**2031 Proj.**	**2032 Proj.**
Expenditures										
Operating										
Annual Gross Operating Expenditures	$ 3,594,190	$ 3,725,557	$ 3,862,525	$ 4,005,355	$ 4,154,321	$ 4,309,709	$ 4,471,820	$ 4,640,969	$ 4,817,487	$ 5,001,720
Current Outstanding Debt	$ 1,531,132	$ 1,407,896	$ 1,247,603	$ 1,206,866	$ 1,206,866	$ 1,206,866	$ 1,130,666	$ 1,130,666	$ 1,130,666	$ 1,130,666
Debt Financing Costs (P+I for New Capital)	$ 263,679	$ 263,769	$ 263,769	$ 263,769	$ 263,769	$ 263,769	$ 263,769	$ 263,769	$ 263,769	$ 263,769
Subtotal Annual Gross Operating Expenditures	***$ 5,389,001***	***$ 5,397,221***	***$ 5,373,896***	***$ 5,475,990***	***$ 5,624,956***	***$ 5,780,344***	***$ 5,866,255***	***$ 6,035,404***	***$ 6,211,922***	***$ 6,396,155***
Capital										
In-Year Non-Growth Related Capital Works Share	$ 1,671,393	$ 3,739,000	$ 2,588,440	$ 1,934,161	$ 1,572,586	$ 2,997,825	$ 3,104,589	$ 3,382,323	$ 2,115,323	$ 3,382,323
Debt Financing for New Capital	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Other Capital Requirements	$ -									
Sub-total Capital	***$ 1,671,393***	***$ 3,739,000***	***$ 2,588,440***	***$ 1,934,161***	***$ 1,572,586***	***$ 2,997,825***	***$ 3,104,589***	***$ 3,382,323***	***$ 2,115,323***	***$ 3,382,323***
Asset Replacement Reserve Contribution										
Calculated Annual Asset Management Contribution	$ 11,088,062	$ 11,398,447	$ 11,088,062	$ 10,984,552	$ 10,878,910	$ 10,802,724	$ 10,662,840	$ 10,617,234	$ 10,402,018	$ 10,376,124
Contribution To/(from) Reserves	$ 122,463	$ (1,768,400)	$ (101,715)	$ 704,391	$ 1,172,755	$ (151,309)	$ (129,544)	$ (448,144)	$ 1,524,974	$ 437,304
Total Capital Expenditures	**$ 1,793,856**	**$ 1,970,600**	**$ 2,486,725**	**$ 2,638,552**	**$ 2,745,341**	**$ 2,846,515**	**$ 2,975,045**	**$ 2,934,180**	**$ 3,640,297**	**$ 3,819,627**
Total Annual Expenditures	***$ 7,182,857***	***$ 7,367,821***	***$ 7,860,621***	***$ 8,114,542***	***$ 8,370,297***	***$ 8,626,859***	***$ 8,841,300***	***$ 8,969,584***	***$ 9,852,219***	***$ 10,215,782***
Non-Rate Revenues										
Grant Funding	$ -	$ -	$ -	$ -	$ -	$ -	$ (0)		$ (846,198)	$ (859,217)
Transfers from Reserves (for Capital)	$ (255,000)	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Non Rate Revenues	$ (204,000)	$ (204,000)	$ (204,000)	$ (204,000)	$ (204,000)	$ (204,000)	$ (204,000)	$ (204,000)	$ (204,000)	$ (204,000)
Total Non-User Rate Revenues	***$ (459,000)***	***$ (204,000)***	***$ (204,000)***	***$ (204,000)***	***$ (204,000)***	***$ (204,000)***	***$ (204,000)***	***$ (204,000)***	***$ (1,050,198)***	***$ (1,063,217)***
Net Rate Funding Need	**$ 6,723,857**	**$ 7,163,821**	**$ 7,656,621**	**$ 7,910,542**	**$ 8,166,297**	**$ 8,422,859**	**$ 8,637,300**	**$ 8,765,584**	**$ 8,802,020**	**$ 9,152,565**
Check:	$ 147,138									

USER RATE CALCULATION	**2023**	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**2030**	**2031**	**2032**
Water Service Rate Support Expenditures	$6,024,961	$6,419,194	$6,860,772	$7,324,575	$7,822,124	$8,356,011	$8,886,111	$9,364,940	$9,780,022	$10,169,517
Share of Water Expenditures Funded by Sewer U	**$ 5,422,465**	**$5,777,274.99**	**$6,174,695**	**$6,592,118**	**$7,039,911**	**$7,520,410**	**$7,997,500**	**$8,428,446**	**$8,802,020**	**$9,152,565**
Sewer Surcharge (Target)	*124%*	*124%*	*124%*	*120%*	*116%*	*112%*	*108%*	*104%*	*100%*	*100%*
Total Revenue Generated	**$ 6,723,857**	**$ 7,163,821**	**$ 7,656,621**	**$ 7,910,542**	**$ 8,166,297**	**$ 8,422,859**	**$ 8,637,300**	**$ 8,765,584**	**$ 8,802,020**	**$ 9,152,565**

Reserve Fund Continuity Schedule										
Opening Balance	***$ 1,407,672***	***$ 1,310,326***	***$ (425,316)***	***$ (537,664)***	***$ 153,285***	***$ 1,329,872***	***$ 1,211,810***	***$ 1,112,561***	***$ 692,231***	***$ 2,234,511***
Transfer to (from) reserves	$ (132,537)	$ (1,768,400)	$ (101,715)	$ 704,391	$ 1,172,755	$ (151,309)	$ (129,544)	$ (448,144)	$ 1,524,974	$ 437,304
Interest on Opening Balance	*$ 35,192*	*$ 32,758*	*$ (10,633)*	*$ (13,442)*	*$ 3,832*	*$ 33,247*	*$ 30,295*	*$ 27,814*	*$ 17,306*	*$ 55,863*
Interest on In-Year Transaction										
Ending Balance	***$ 1,310,326***	**$ (425,316)**	**$ (537,664)**	**$ 153,285**	**$ 1,329,872**	**$ 1,211,810**	**$ 1,112,561**	**$ 692,231**	**$ 2,234,511**	**$ 2,727,678**